Public Review Draft

AVOCET ENERGY STORAGE SYSTEM PROJECT

Initial Study/Mitigated Negative Declaration

Prepared for
City of Carson

April 2024

ESA

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Prepared for
City of Carson
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April 2024

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CHAPTER 1
Introduction

1.1 Project Details

1. Project Title: Avocet Energy Storage System Project

2. Lead Agency Name and Address: City of Carson
Community Development Department
701 East Carson Street
Carson, CA 90745

3. Contact Person and Phone Number: McKina Alexander, Senior Planner
(310) 952-1761 x1326

4. Project Location: 23320 Alameda Street
Carson, CA 90746

5. Project Sponsor's Name: Avocet Energy Storage, LLC

6. General Plan Designation(s): Heavy Industrial (project site and portion of gen-tie route located within City of Carson). Industrial – Light Manufacturing (portion of gen-tie route located within City of Los Angeles). OS (Open Space) (SCE Hinson Substation located within City of Long Beach).

7. Zoning: MH-D (Manufacturing, Heavy – with Site Plan and Design Review Overlay (project site and portion of gen-tie route located within City of Carson). M3-1 (Heavy Industrial Zone) (portion of gen-tie route located within City of Los Angeles). PR (Public Right-of-Way) (SCE Hinson Substation located within City of Long Beach).

8. Description of Project:

The Avocet Energy Storage Project (proposed project) is located on a 6.96-acre site at 23320 Alameda Street (project site) in the City of Carson (City). The proposed project includes the development of an approximately 200-megawatt battery energy storage system (BESS) located within the project site. The proposed project would consist of lithium-ion batteries (or similar

technology available at the time of construction) installed in racks, inverters, medium-voltage (MV) transformers, switchgear, a collector substation, and other associated equipment to interconnect into the Southern California Edison (SCE) Hinson Substation. The containers or enclosures would have battery storage racks, with relay and communications systems for automated monitoring and management of the batteries to ensure design performance. A battery management system would be provided to control the charging/discharging of the batteries, along with temperature monitoring and control of the individual battery cell temperature with an integrated cooling system. Batteries operate with direct current (DC) electricity, which must be converted to alternating current (AC) for compatibility with the existing electric grid. Power inverters to convert between AC and DC, along with transformers to step up the voltage, would also be included. The generation transmission line (gen-tie line) would interconnect the proposed project to the existing SCE Hinson Substation. The proposed gen-tie route would cross three jurisdictions including: the City of Carson, the City of Los Angeles, and the City of Long Beach. The proposed project would provide a service to the regional electric grid by receiving energy (charging) from the SCE electric transmission system, storing energy on site, and then later delivering energy (discharging) back to the point of interconnection (SCE Hinson Substation). SCE would install one tubular steel pole (TSP) approximately 130 feet tall with approximately a 12-foot wide by 30-foot-deep foundation. SCE would install a bundled 1590 thousand circular mils (KCMil) conductor from the SCE Hinson Substation rack position to the new SCE-owned TSP and span to the customer-owned point of change of ownership (POCO) TSP. The gen-tie line and SCE features and upgrades to the existing SCE Hinson Substation are collectively referred to as project-related offsite improvements.

The project site includes one parcel, APN 7315-020-022, located within the City of Carson. The project site and portion of the gen-tie route located within the City of Carson are zoned MH-D (Manufacturing, Heavy – with Site Plan and Design Review Overlay) (City of Carson 2017) with a General Plan land use designation of Heavy Industrial (City of Carson 2023). The portion of the gen-tie route located within the City of Los Angeles is zoned as M3-1 (Heavy Industrial Zone) with a General Plan land use designation of Industrial – Light Manufacturing. The SCE Hinson Substation is zoned PR (Public Right-of-Way) (City of Long Beach 2021) with a General Plan land use designation of OS (Open Space) (City of Long Beach 2019). Per the Land Use Element of the City General Plan, the Heavy Industrial land use designation is intended to provide for the full range of industrial uses that are acceptable within the community, but whose operations are more intensive and may have nuisance or hazardous characteristics that for reasons of health, safety, environmental effects, or general welfare are best segregated from other uses (City of Carson 2023). A BESS is similar in nature and purpose to the Transportation, Communications, and Utilities and Public Service uses identified in the City Code of Ordinances Section 9141.1, Uses Permitted in Industrial Zones (Service yard – public utility or public service) that are a permitted use within Manufacturing – Heavy Zones (City of Carson 2020).

9. Surrounding Land Uses and Setting:

The project site consists of approximately 6.96 acres in the City of Carson, California (see **Figure 1, Project Site and Regional Location**). The project site is located in the eastern portion of the city, east of South Alameda Street and north of East Sepulveda Boulevard, as shown in Figure 1. The project site is approximately 0.95 miles south of Interstate 405 and is bordered by

Alameda Street to the west, industrial uses to the north and south, and the Dominguez Flood Control Channel (Dominguez Channel) to the east. The project site is in an area characterized by a mix of industrial uses and is currently developed as an aggregate recycling center. The SCE Hinson Substation or point of interconnection is located approximately 0.62 miles to the northeast in the City of Long Beach.

10. Project Objectives:

The proposed project and project-related offsite improvements would provide the City of Carson and the State of California with a reliable and economically attractive commercial development to receive, store, and discharge electricity from the CAISO-controlled electric grid, including renewable energy produced by existing solar and wind resources in the region. Construction of the proposed project and project-related offsite improvements will accomplish the following:

- Establish a new energy storage facility to reliably capture and manage renewable energy in an economically feasible and commercially financeable manner.
- Provide economic benefit to the City, the region, and the state, through construction jobs, property and sales taxes, construction and maintenance services, and increased energy efficiency and reliability.
- Use a proven and established energy storage technology that is efficient, has low maintenance requirements, and is recyclable.
- Assist California in meeting its greenhouse gas emissions reduction goals by 2020 and 2030 as required by the California Global Warming Solutions Act (Assembly Bill 32), as amended by Senate Bill 32 in 2016.
- Assist California in achieving its switch away from fossil-fueled generation by allowing renewables to be stored and discharged back to the market when necessary.

11. Other public agencies whose approval is required:

The City of Carson as the lead agency (per California Environmental Quality Act (CEQA) Guidelines Section 15050) for the proposed project has discretionary responsibility for the proposed project. To implement the proposed project, the proposed project may need to obtain discretionary and ministerial permits/approvals including, but not limited to the following:

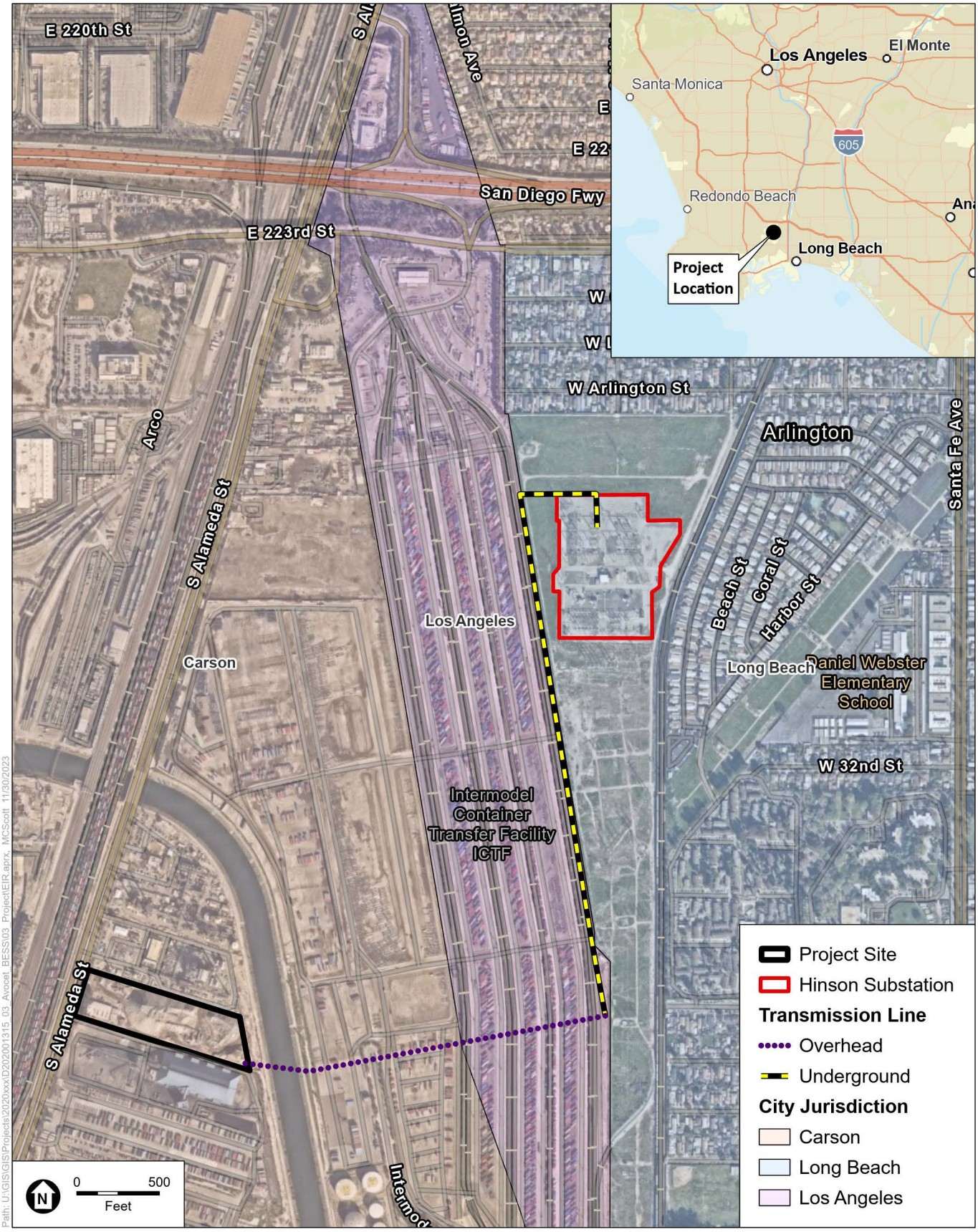
- Conditional Use Permit
- Design Overly Review
- Development Agreement
- National Pollution Discharge Elimination System (NPDES) Construction General Permit
- General Construction Stormwater Permit
- Grading and building permits
- Demolition Permit

The preceding discretionary actions/approvals are potentially required and do not necessarily represent a comprehensive list of all possible discretionary permits/approvals required. Other

additional permits or approvals from responsible agencies may be required for the proposed project and project-related offsite improvements.

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

The City notified appropriate tribes regarding Assembly Bill (AB) 52 and Senate Bill (SB) 18 consultation). Refer to Section XVIII, *Tribal Cultural Resources*, for additional information.



SOURCE: ESRI, 2022

Avocet Energy Storage Project

Figure 1
Project Site and Regional Location

1.2 Environmental Factors Potentially Affected

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

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

1.3 Determination

On the basis of this initial study:

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

☒ I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.

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

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

☐ I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

McKina Alexander — 4/15/2024

Signature — Date

Signature — Date

CHAPTER 2
Project Description

2.1 Project Overview

The proposed project is an approximately 200-megawatt BESS consisting of lithium-ion (or similar technology available at the time of construction) batteries installed in racks, inverters, MV transformers, switchgear, a collector substation, and other associated equipment to interconnect into the SCE Hinson Substation. The BESS enclosures would be approximately 10 feet in height and the on-site collector substation would have a maximum height of 40 feet. The proposed project would include a gen-tie line to interconnect the project to the existing SCE Hinson Substation. The proposed gen-tie route is further described below. The gen-tie route would cross three jurisdictions including: the City of Carson, the City of Los Angeles, and the City of Long Beach. The proposed project would provide a service to the regional electric grid by receiving energy (charging) from the SCE electric transmission system, storing energy on site, and then later delivering energy (discharging) back to the point of interconnection (SCE Hinson Substation).

Based on the analysis and conclusions provided below, the City has determined this Initial Study/Mitigated Negative Declaration (IS/MND) serves as the appropriate environmental documentation in accordance with the California Environmental Quality Act (CEQA) Guidelines to demonstrate the potential environmental impacts associated with the construction and operation of the proposed project and project-related offsite improvements.

2.2 Project Location and Existing Setting

The project site is located east of South Alameda Street and north of East Sepulveda Boulevard at 23320 Alameda Street in the City of Carson, California, Los Angeles County. The project site is approximately 6.96 acres (approximately 303,178 square feet) and includes Assessor's Parcel Number (APN) 7315-020-022. The project site is currently developed as an aggregate recycling center, consisting of a single-story, approximately 11,600-square-foot administrative building and an equipment storage building, with the remainder of the site being used for concrete and asphalt crushing, shipping, and receiving activities. The project site was previously partially developed with several structures associated with hydrogen gas plant operations being conducted on the northern adjoining property. The hydrogen plant operated until the 1990's and all structures on the project site were demolished, with the exception of the existing single-story building.

The project site is in an area characterized by a mix of industrial uses. Current uses adjoining the project site include an oil refinery to the north, the Dominguez Channel to the east, and a coke (petroleum) storage facility to the south. Alameda Street borders the project site to the west, with

the Union Pacific Railroad (UPRR), and the former ARCO refinery, now known as the Marathon Los Angeles Refinery, beyond. The project site and portion of the gen-tie route located within the City of Carson are zoned MH-D (Manufacturing, Heavy – with Site Plan and Design Review Overlay) (Carson 2017) with a General Plan land use designation of Heavy Industrial (Carson 2023). The portion of the gen-tie route located within the City of Los Angeles is zoned as M3-1 (Heavy Industrial Zone) with a General Plan land use designation of Industrial – Light Manufacturing. The SCE Hinson Substation located within the City of Long Beach is zoned as PR (Public Right-of-Way Zone) (City of Long Beach 2021) with a General Plan land use designation of OS (Open Space) (City of Long Beach 2019). The proposed gen tie route also crosses over City-owned Intermodal Way.

2.3 Project Site History

The project site was vacant and undeveloped from as early as 1896 to as last as 1963. Around 1964, the project site was partially developed with several structures associated with hydrogen gas plant operations being conducted on the northern adjoining property. The hydrogen plant operated until the 1990s and was subsequently closed and the structures were demolished. As part of the hydrogen plant closure, the present-day parcel was subdivided from the northern adjoining property parcel and structures on the project site were demolished with the exception of the present-day building. The project site was redeveloped for use as a concrete recycling facility (NV5 2021).

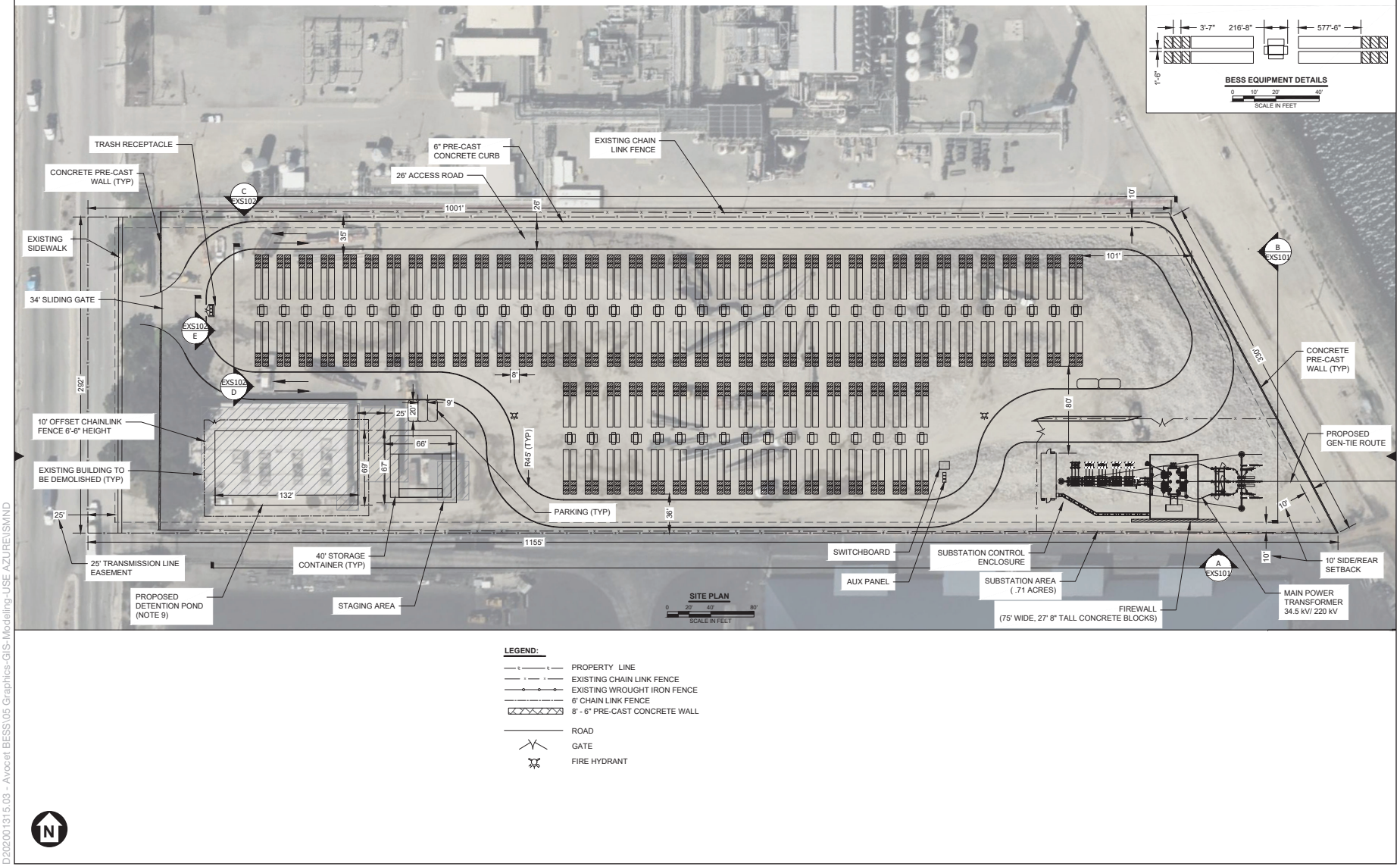
Land uses along the gen-tie route include rail lines constructed in the 1940s and utilized by the military as part of the Wilmington Classification and Hold facility, a loading and storage area for military equipment awaiting shipment. By the 1950s, several small commercial structures were constructed west of the gen-tie route along Alameda Street, as well as the Dominguez Channel. In the 1960s, the western adjoining property to the gen-tie route was developed with a hydrogen plant, a drag strip (automotive racetrack) was constructed along the central portion of the gen-tie route, and the electrical substation and associated transmission lines were constructed along the eastern portion of the gen-tie route. In the 1980s, the present-day ICTF Intermodal Terminal (rail and tractor trailer yard) was constructed near the central and eastern portions of the gen-tie route. In the 1990s and early 2000s, the hydrogen plant on the western adjoining property to the gen-tie route was demolished and replaced with the present-day concrete recycling facility (NV5 2023).

2.4 Project Characteristics

The proposed project and project-related offsite improvements includes the development of energy storage facilities and associated infrastructure. The battery packs would be housed in enclosures consisting of modular battery units, as shown in **Figure 2, Site Layout Plan**. Power released or captured by the proposed project would be transferred to and from the existing SCE Hinson Substation via a gen-tie line. The proposed project would include the installation of lithium-ion (or similar technology available at the time of construction) batteries, which would be installed in racks; inverters; MV transformers; switchgear; a collector substation; and other associated equipment. The major components of the proposed project and project-related offsite improvements are as follows:

- Energy Storage Facility: Energy storage enclosures and appurtenances would be constructed that would provide energy storage capacity and dispatch for the electric grid.
- Power Inverters and Transformers: Power inverters to convert between AC and DC would be included, along with transformers that would step up the voltage.
- Collector Substation: A collector substation would be installed that would include the open rack, air-insulated switch gear, and the main power transformer to step up from 34.5 kilovolts (kV) to 220 kV.
- Telecommunication Facilities: Telecommunication equipment, including underground and overhead fiber optics or supervisory control and data acquisition (SCADA) would be installed.
  - The project would include two fiber communication circuits (Route 1 and Route 2) linking the BESS generation facility with the existing SCE Hinson Substation communications network for the purpose of communication for protection circuits, BESS telemetry data, and other data for monitoring. The dual fiber circuits (Route 1 and Route 2) would be constructed with overhead and underground facilities, including overhead poles, underground manholes, pull boxes, conduits, and fiber. Route 1 and Route 2 would be located between the SCE Hinson Substation mechanical electrical equipment room (MEER) building and the manhole location on Union Pacific Railroad's (UPRR's) property.
- Site Access and Security: On-site access driveways, perimeter security fencing, and nighttime directional lighting would be provided for the project.
- Operations and Maintenance Storage Area: An operations & maintenance (O&M) storage area would be located in the western portion of the project site. The area would house equipment and materials necessary to complete O&M activities.
- Gen-Tie Line: A single 220 kV gen-tie line would be constructed to transfer power between the SCE Hinson Substation and the project. The gen-tie line route as shown in **Figure 3, Gen-Tie Line Route**, would traverse the cities of Carson, Los Angeles, and Long Beach to connect to the existing SCE Hinson Substation.
  - SCE would install one TSP approximately 130 feet tall with approximately a 12-foot wide by 30-foot-deep foundation. SCE would install a bundled 1590 KCMil conductor from the SCE Hinson Substation rack position to the new SCE-owned TSP and span to the customer-owned POCO TSP.

The facilities are intended to operate year-round and would be available to receive or deliver energy 24 hours a day and 365 days a year.



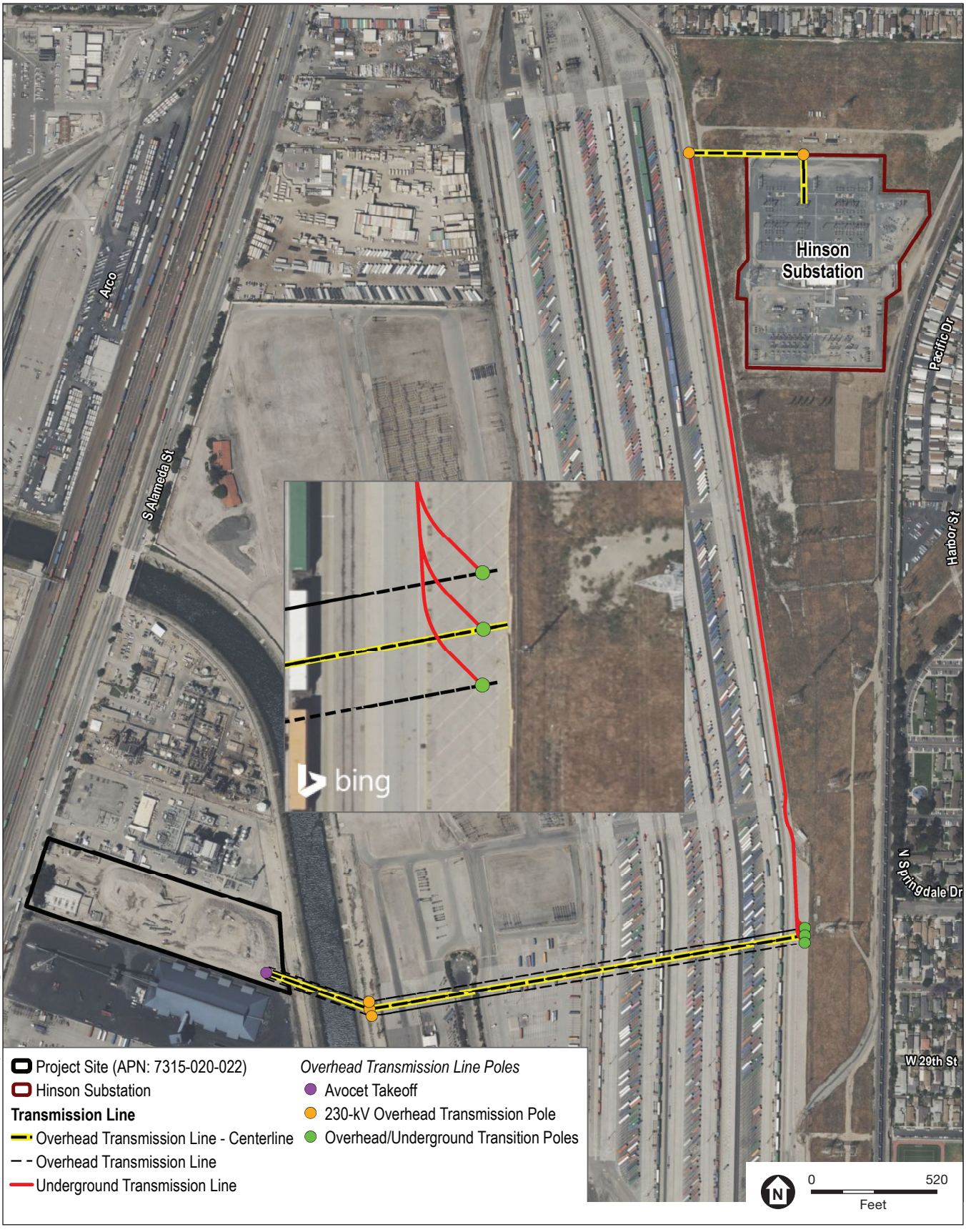
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SOURCE: Burns McConnell, 2023

Avocet Energy Storage Project

Figure 2
Site Layout Plan

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SOURCE: Dudek, 2023

Avocet Energy Storage Project

Figure 3
Gen-Tie Line Route

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2.4.1 Energy Storage Facility

Battery Energy Storage System Enclosures

The proposed battery packs would be housed in containers or purpose-built enclosures, as shown in **Figure 4, BESS Enclosure Rendering**. As shown in **Figure 5, North and West Elevations**, and **Figure 6, South and East Elevations**, the enclosures would be approximately 10 feet in height, with equipment placed on a 6-inch concrete pad. The BESS would be designed and installed in conformance with the nationally recognized National Fire Protection Association (NFPA) 855 Standard for the Installation of Stationary Energy Storage Systems, along with all applicable State and City fire protection requirements. The BESS would be unstaffed, with remote operational control and periodic inspections and maintenance performed as necessary.

Batteries and Racks

The lithium-ion (or similar technology available at the time of construction) batteries would be housed in racks, similar to common computer server racks. The racks are typically made of aluminum but may be composed of steel. The battery racks would be designed and installed in accordance with the local seismic design requirements.

Fire Protection System

As described above, the proposed battery packs would be NFPA 855 Code compliant, Underwriter Laboratories (UL) Certified, and include built-in failsafe and cooling systems designed to prevent thermal runaway and the spread of fire. A fire protection system would be installed to automatically shut down any affected battery storage components and prevent the spread of the fire to the other battery storage modules in the event of an emergency. The Los Angeles County Fire Department (LACFD) would review and approve the facility fire protection and suppression plans prior to project approval. The review and approval by the LACFD will cover all applicable design, construction, and testing requirements of the NFPA 855 Code.

Outdoor Electrical Equipment

MV transformers and additional electrical equipment would be installed outside the BESS enclosures. The collector substation would be located to the east of the BESS facility components, as shown in Figure 2, Site Layout Plan. Components would include a main power transformer, control house, and switchgear. Underground wires and cabling would run from the battery cable collection box (inside the enclosure) to a concrete pad housing the inverter and transformer. From the MV transformer, cabling would be run to the collector substation. All outside electrical equipment would be housed in the appropriate National Electrical Manufacturers Association (NEMA) rated enclosures and screened from view to the extent possible, on all sides. All outside electrical cabling on the site will be run underground.



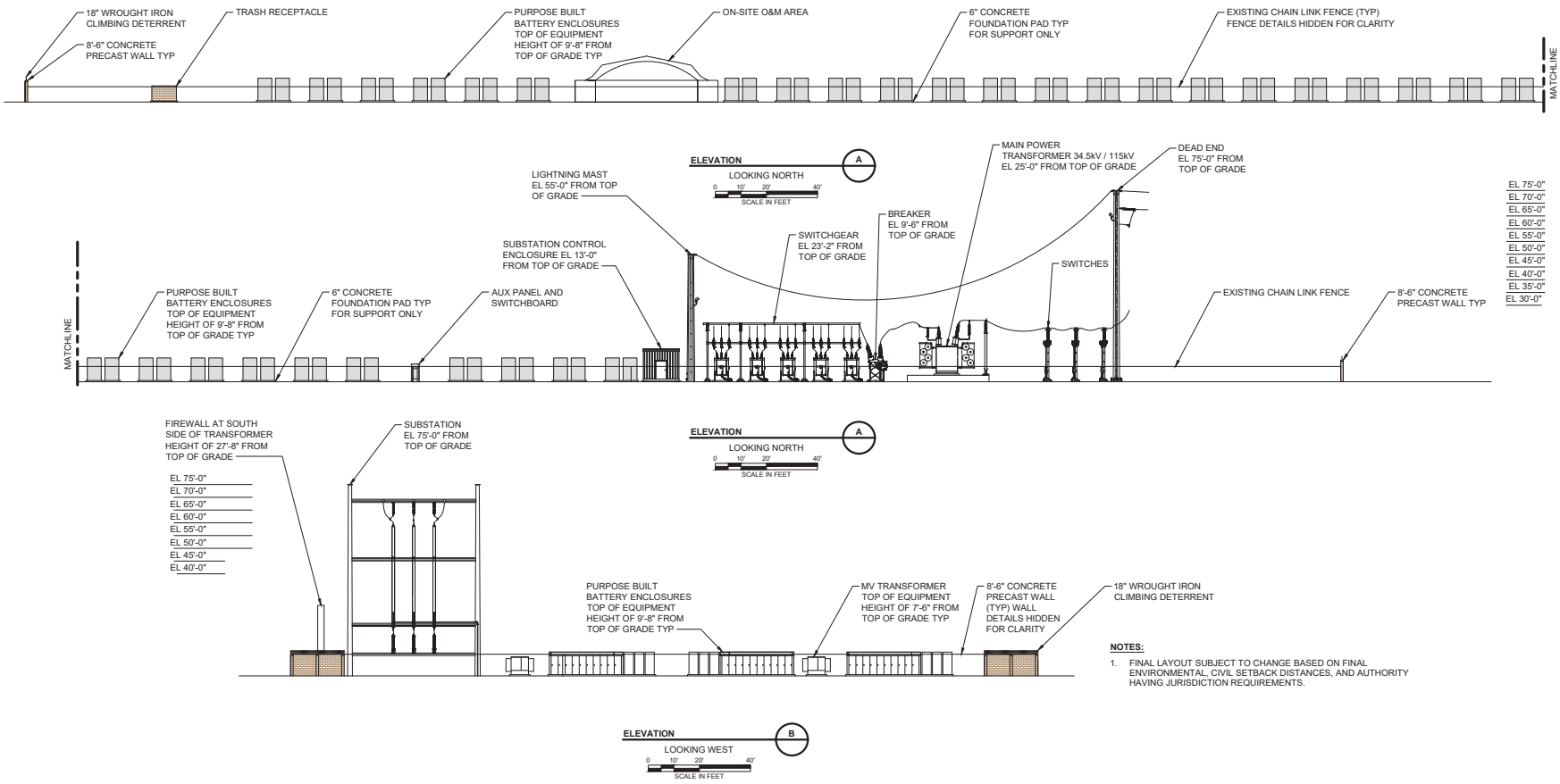
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SOURCE: Burns McConnell, 2023

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Figure 4
BESS Enclosure Rendering

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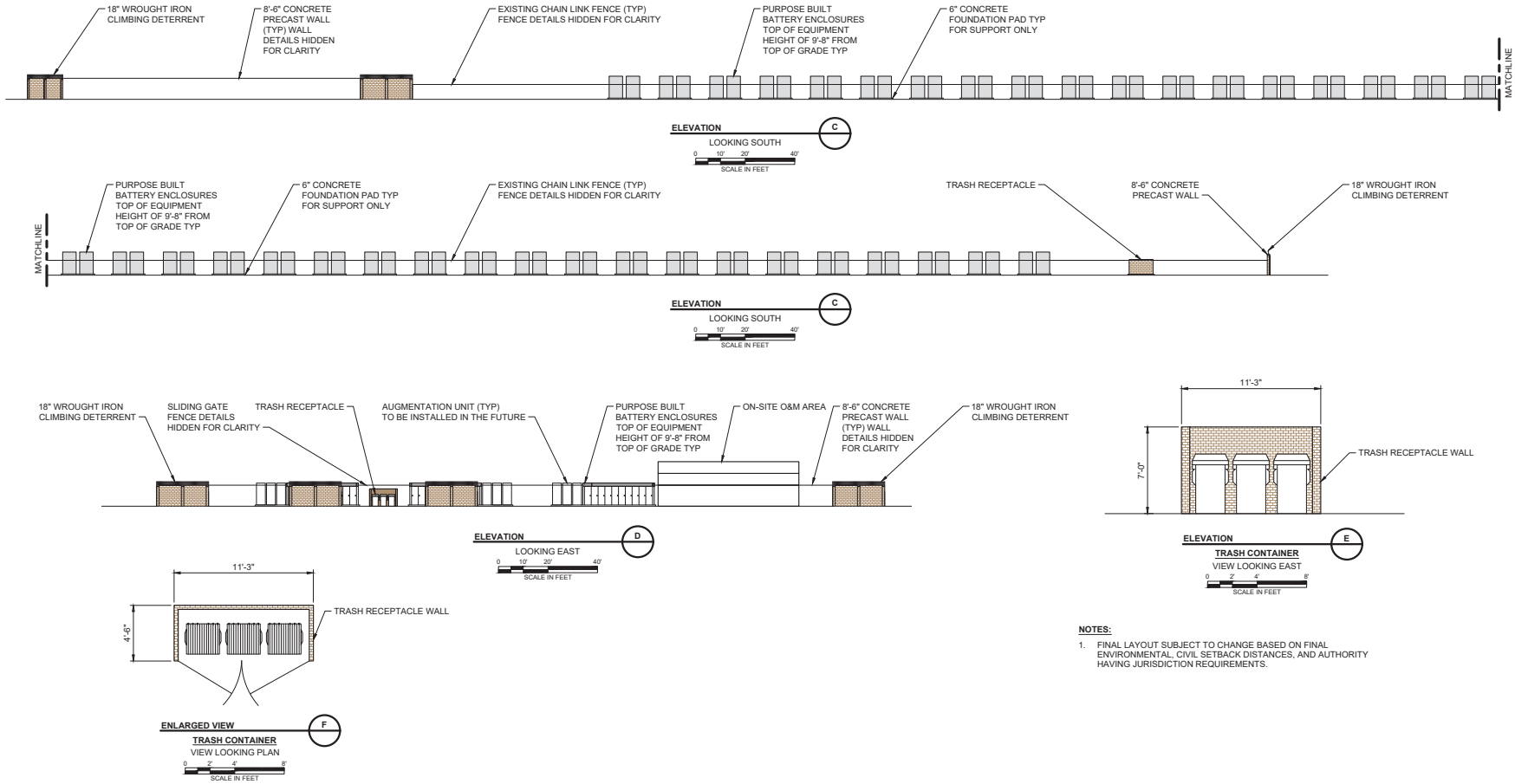
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SOURCE: Burns McConnell, 2023

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Figure 5
North and West Elevations

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SOURCE: Burns McConnell, 2023

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Figure 6
South and East Elevations

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2.4.2 Power Inverters and Transformers

Industry-standard nationally recognized equipment would be installed as part of the proposed project and project-related offsite improvements. The power inverters would be unattended stand-alone units that operate in all conditions. Inverters operate in both a charge mode and a discharge mode and are monitored and controlled remotely. In the event of an emergency or unscheduled maintenance, on-site disconnects would be utilized. Power inverters and transformers are designed to be robust with an anticipated life-span of approximately 30 years with proper preventive maintenance, scheduled maintenance, and occasional major overhauls.

2.4.3 Collector Substation

The proposed collector substation would include an open rack, air-insulated switch gear, and the main power transformer to step up from 34.5 kV to 220 kV. The substation area is anticipated to be located in the southeast corner of the BESS area.

2.4.4 Telecommunication Facilities

The proposed project would require telecommunication facilities to meet the communication requirements for interconnecting and communicating with the SCE/ California Independent System Operator (CAISO) facilities and to support remote project operations monitoring. To provide for communication with SCE facilities, a fiber-optic cable would be used to connect the project site switchyard with the SCE point of interconnection. Utility interconnection regulations require the installation of a second, separate, redundant fiber-optic cable. The redundant fiber-optic cable would also be installed within the project footprint.

The project would use local exchange carrier services for telecommunication to support remote monitoring requirements. The project would connect to telecommunication fiber-optic lines owned and managed by local telecommunication providers.

2.4.5 Site Access and Security

The project site is accessible from various roadways. Interstate 405 is the largest highway in the area and provides regional access to the project site from the east and west. Access to the project site would be provided via the existing South Alameda Street. No new roads would be required to provide access to the project site. A paved 26-foot-wide internal access road would surround the BESS portion of the project site. The proposed project would include 5 parking spaces on site near the proposed operations & maintenance (O&M) storage area. The new SCE TSP would be installed adjacent to the existing transmission overhead structures with existing access paths. The SCE Hinson Substation can be accessed from multiple locations, with access during construction through an existing gate at the UPRR property to the east. For maintenance, access would be from Webster Avenue onto an existing dirt road traveling south along the east side of the SCE Hinson Substation and along the south side of the SCE Hinson Substation to the property on the west side.

All fence installation requirements would be evaluated, and the best-fit scenario would be incorporated into the project site based on the City’s final determination. Fences would be

installed around the perimeter of the project site for safety and security purposes. A wrought iron fence and access gate are proposed along the project frontage on South Alameda Street. The remainder of the site would be fully enclosed with a chain link fence. The fencing would remain in place for the life of the project.

Permanent motion-sensitive, directional security lights would be installed to provide adequate illumination around the substation area and points of ingress/egress. Pursuant to City of Carson Municipal Code (CMC) Section 9127.1, all exterior lighting installed on the project site would be shielded and directed downward to minimize the potential for glare or spillover onto adjacent properties. Security cameras would be placed throughout the project site and monitored 7 days a week and 24 hours per day.

2.4.6 Operations & Maintenance Storage Area

An O&M storage area would be located in the western portion of the project site. The O&M storage area would be approximately 4,500 square feet in size and consist of 40-foot-long storage containers. The area would house equipment and materials necessary to complete O&M activities. The O&M storage area would be unmanned with no personnel facilities such as restrooms, showers, etc.

As shown on Figure 2, Site Layout Plan, a detention pond is proposed adjacent to the O&M storage area in the southwestern corner of the BESS area. The detention pond would temporarily store stormwater runoff to reduce runoff and erosion.

2.4.7 Generation Transmission Line

A gen-tie line would be constructed to transfer power to and from the proposed project and the existing SCE Hinson Substation. The proposed gen-tie route would extend approximately 1.10 miles, originating from the eastern side of the project site, crossing over the Dominguez Channel and UPRR facilities, then turning north and connecting to the northwest corner of the SCE Hinson Substation. The gen-tie line will be partially overhead and partially underground. The overhead portion of the gen-tie line will span from the project site to the east for approximately 0.45-mile, crossing over Dominguez Channel and UPRR facilities to the transition point. Two approximately 175-foot-tall transmission poles would be required for the overhead portion, which would not exceed Federal Aviation Administration Part 77 notification requirements which require notifying the Federal Aviation Administration for any construction or alteration exceeding 200 feet above ground level.

At the transition point, the gen-tie line would transition underground which would include up to three transition poles each up to 175 feet in height. The underground portion of the line would be located within a duct bank which is an underground reinforced concrete container used for laying utility lines such as electric and telecommunication cables. The cables themselves are enclosed in PVC conduits. Reinforced concrete placed around PVC conduits protects electrical cables from weather, seismic stress, corrosion, temperature extremes, and vandalism to prevent breakage and failure. The underground gen-tie line would run north from the transition point for approximately 0.65-mile and terminate at the Hinson Substation. The maximum trench widths and depths for the

underground gen-tie line would vary. Maximum trench width would be approximately 2'4" and maximum trench depth would be approximately 6'0" from existing grade.

2.4.8 Other Project Components

Southern California Edison Company Facility Upgrades

SCE identified a need for the proposed project to contribute its fair-share payment toward utility grid system upgrades that are planned to be completed within SCE's service territory, as well as the interconnection facilities at the SCE Hinson Substation needed to connect the proposed project. The proposed 220 kV gen-tie line would interconnect at the Hinson 220 kV rack. A 130-foot tall with approximately 12-foot wide by 30-foot wide deep foundation 220kV TSP would be installed that would span overhead to an SCE-owned TSP, which would terminate at a rack position within the SCE Hinson Substation, as shown in **Figure 7, Southern California Edison Company Facility Upgrades**.

SCE would equip the empty 220 kV switch rack position and associated facilities with the installation of two (2) circuit breakers, with associated structures and foundations; three (3) horizontally mounted disconnect switches with associated structures and foundations; one (1) horizontally mounted disconnect switch with grounding attachment and associated structure and foundation; one (1) line dead-end structure; one (1) line riser; three (3) coupling capacitor voltage transformers (CCVTs), pull boxes associated switches and terminal blocks, and secondary cables; three (3) station class surge arresters; bus supports; switch rack lighting; and two (2) Operator Interface Cabinet (OIC) on a new foundation and maintenance pad. The 220 kV South Operating Bus would be removed and replaced. Two new 19" relay racks (Z109 and Z306) and an overhead fiber optic plastic cable tray and off-ramp would be installed as part of the mechanical electrical equipment room (MEER) extension. Route 1 would consist of a new underground path for two conduits of telecom fiber of 3,000 linear feet from the SCE Hinson Substation MEER building to an SCE vault (meet-me vault). The meet-me vault would be on UPRR's property. The trench would be backfilled with slurry and native soil. Four pull boxes and a manhole would also be installed. For Route 2, SCE would install a new underground path for two conduits of telecom fiber of 200 linear feet from the SCE Hinson MEER to the manhole on UPRR's property. One manhole would be installed and backfilled with slurry and native soil. The existing DC switchboard would be removed from the existing control house and replaced with a new Main DC Switchboard DPM. New circuit breaker control and synchronizing switches, test switch and meter would also be installed.

Landscaping

As shown in **Figure 8, Landscape Plan**, approximately 10,073 square feet of the existing front yard landscaping would remain. In addition, approximately 4,019 square feet of the existing front yard planting beds would be rehabilitated with low water use climate adapted plants and 5 new trees would be planted to improve the streetscape and provide additional screening for the proposed project. The project's landscaping would comply with all City and State requirements.



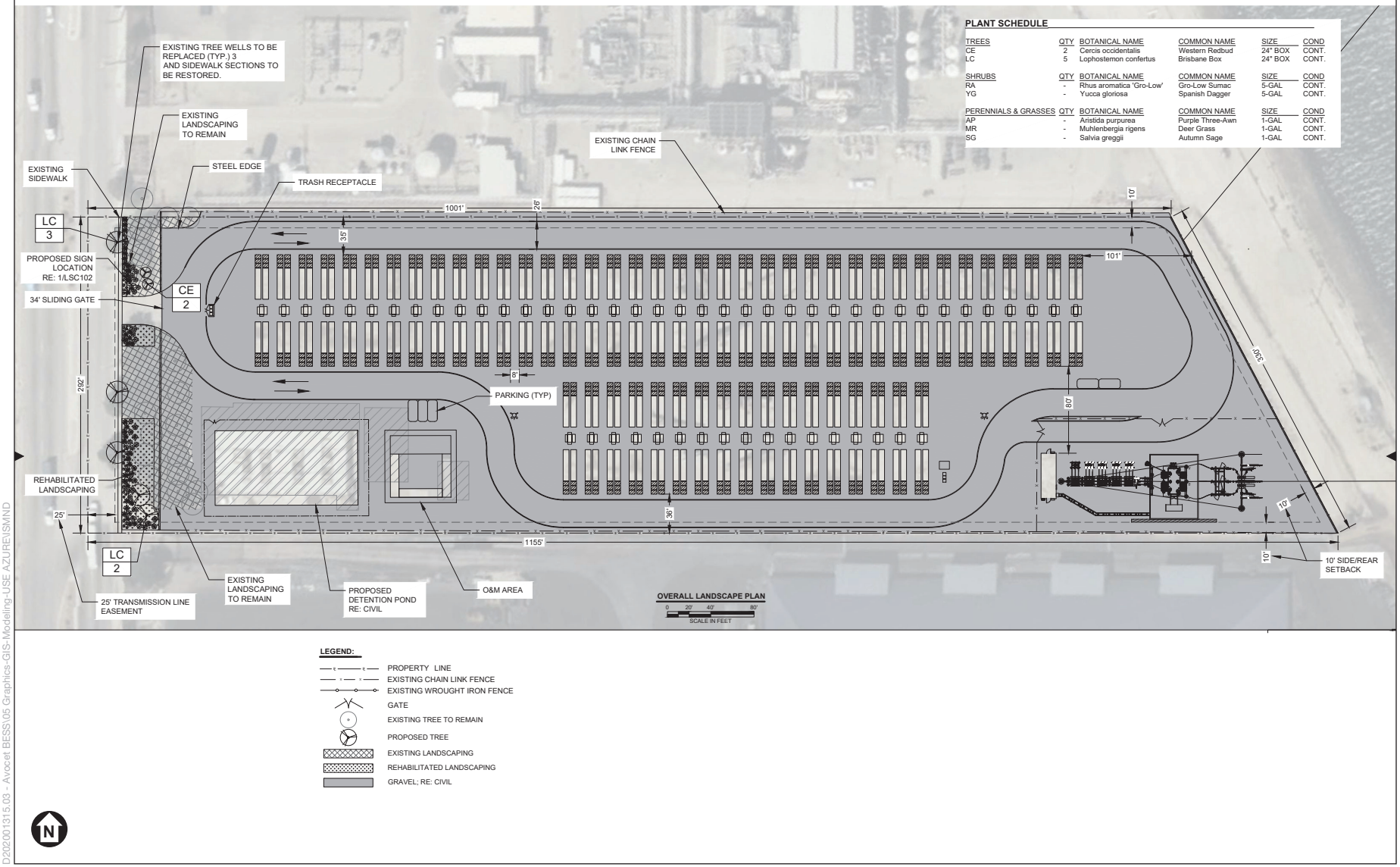
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SOURCE: Dudek 2024; Bing Maps 2024; Open Street Map 2024

Avocet Energy Storage Project

Figure 7
Southern California Edison Company Facility Upgrades

ESA



D20200131S.03 - Avocet BESS\05 Graphics-GIS-Modeling-USE AZURE\SMND

SOURCE: Burns McConnell, 2023

Avocet Energy Storage Project

Figure 8
Landscape Plan

ESA

Solid Waste

The project would include a three-sided trash enclosure with a swing gate. The trash enclosure would be located near the project's northwestern boundary and would be approximately 4 feet, 6 inches in height and 5 feet, 4 inches in width.

Signage

Proposed signage would include an identifying sign along Alameda Street that would be approximately 8 feet long and 8 feet tall. The proposed sign would comply with all City requirements.

2.5 Project Construction

2.5.1 BESS Construction

Schedule and Workforce

Construction activities for the proposed BESS component would last up to 12 months and is anticipated to begin in March 2025. Construction activities for the project generally fall into three main categories: (1) site preparation; (2) system installation; and (3) testing, commissioning, and cleanup.

The on-site construction workforce is expected to peak at up to 75 individuals; however, the average daily workforce on site during construction is expected to be 50 individuals, comprising construction, supervisory, support, and construction management personnel. It is anticipated that the construction workforce would commute to the site each day from local communities and report to the designated construction staging yards prior to the beginning of each workday. Deliveries of equipment and materials would generate an estimated five to seven roundtrips per day during peak construction periods.

The project would be constructed by several specialized construction contractors. Construction would primarily occur during daylight hours, Monday through Saturday between 7:00 a.m. and 6:00 p.m., as required to meet the construction schedule. Any construction work performed outside the normal work schedule would be coordinated with the appropriate agencies and would conform to City regulations.

Site Grading and Earthwork

Construction activities would include excavation and grading of the project site. Site preparation and construction would occur in accordance with all federal, State, and City zoning codes and requirements. Noise-generating construction activities would be limited to Monday through Saturday between 7:00 a.m. and 6:00 p.m. except legal holidays. All stationary equipment and machines with the potential to generate a significant increase in noise or vibration levels would be located away from noise receptors to the extent feasible.

All applicable federal, State, and local requirements and best management practices (BMPs) would be incorporated into the construction activities for the project site. Beginning work on the project site would involve preparing the land for installation of the BESS-related infrastructure,

access driveways, and temporary construction staging areas. Site preparation would involve the distribution of existing on-site aggregate material across the BESS area, as shown in **Figure 9, Grading Plan**. Excess debris would be removed and properly disposed. Dust-minimizing techniques would be employed, such as placement of wind control fencing, application of water, and application of dust suppressants. Conventional grading would be performed throughout the project site but minimized to the maximum extent possible to reduce unnecessary soil movement that may result in dust. The proposed BESS would require excavation up to a maximum depth of 6 feet below ground surface (bgs), the main power transformer would require excavation up to a maximum depth of 5 feet bgs, and the gen-tie poles would require excavation up to a maximum depth of 50 feet bgs. Earthworks scrapers, excavators, dozers, water trucks, paddlewheels, haul vehicles, and graders may all be used to perform grading. Land-leveling equipment, such as a smooth steel drum roller, would be used to even the ground surface and compact the upper layer of soil to a value recommended by a geotechnical engineer for structural support. Soil movement from grading would be balanced on site.

Trenching for the SCE telecommunications conduit of 18 inches wide by 3-feet deep would be required for placement of underground electrical and communication lines, and may include the use of trenchers, backhoes, excavators, haul vehicles, compaction equipment, and water trucks. After preparation of the site, the pads for enclosures, equipment enclosures, and equipment vaults would be prepared pursuant to geotechnical engineer recommendations. The substation area would have a grounding grid installed and would be covered with aggregate surfacing for safe operation.

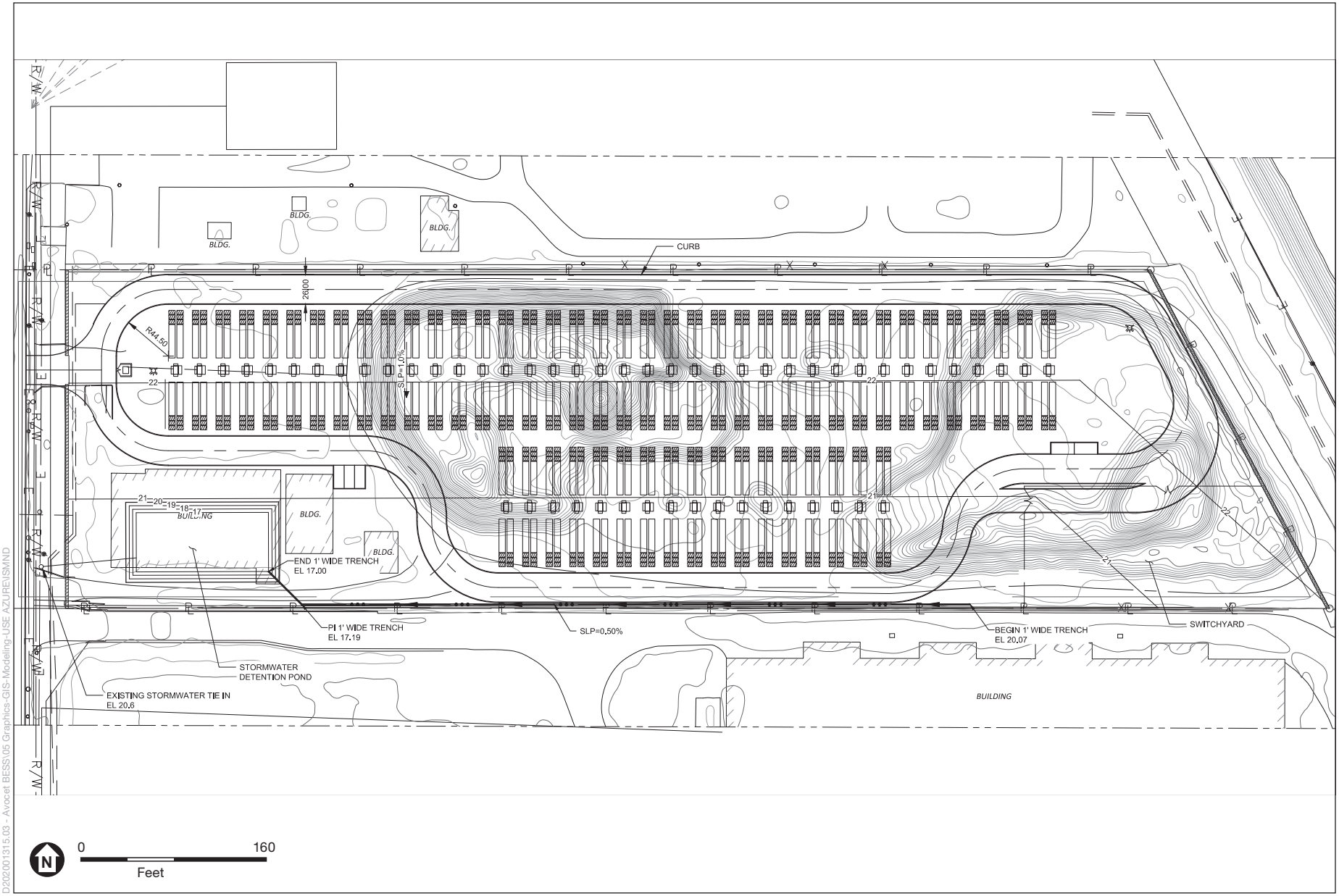
During construction, crews would be working on the site with various equipment and vehicles, including vehicles for transporting the batteries and other equipment. As the BESS enclosures are constructed, the electrical collection and communication systems would be installed. The wiring would connect to the appropriate electrical and communication terminations and the circuits would be checked and commissioned prior to operation. It is estimated that construction activities would require the equipment listed in **Table 1, Construction Equipment**.

Demolition of Existing Buildings

There is an existing administrative and storage building located in the southwest corner of the project site that would be demolished prior to construction of the BESS. The building is approximately 11,600 square feet.

Generation Transmission Line

Construction of the 220 kV gen-tie line would take approximately 3 months to complete. The workspace would be limited to within the road right-of-way and/or franchise position, and a permit application would be submitted to the respective City jurisdictions (City of Long Beach and City of Los Angeles) under a separate cover. Construction of the underground portion would consist of horizontal directional drilling, jack-and-bore drilling, or open trenching. All areas disturbed during construction will be returned to pre-construction conditions.



D202001315.03 - Avocet BESS\05 Graphics-GIS-Modeling-USE AZURE\SMND

SOURCE: Burns McConnell, 2023

Avocet Energy Storage Project

Figure 9
Grading Plan

ESA

TABLE 1
CONSTRUCTION EQUIPMENT

Equipment Type	Maximum Quantity
SCE Upgrades/Interconnection	
Civil Construction	
Forklift	1
Reach Lift	1
Snorkel Lift	1
Compactor	1
Dump Truck	1
Portable Generator	1
Excavator	1
Skip Steer	1
Electrical Construction	
Forklift	1
Reach Lift	1
Snorkel Lift	1
Truck Crane	1
Portable Generator	1
Excavator Drill	1
Reach Fork	1
Concrete Pump	1
Backhoe or Skid Steer	1
Dump Truck(s)	2
Crane	1
2-ton Crane	1
Bronto	2
Single Drum Puller	1
Fiber Optic (FO) Cable Construction	
Single Drum Puller	1
Backhoe	1
Dump Truck	1
Bucket Truck Posi Plus	1
BESS	
Site Preparation	
Grader	2
Rubber Tired Loaders	2
Skid Steer Loaders	2
Tractors/Loader/Backhoes	2

Equipment Type	Maximum Quantity
Collector Substation Site Preparation	
Rubber Tired Dozer	2
Tractors/Loaders/Backhoes	2
BESS Grading	
Graders	2
Plate Compactors	2
Rollers	2
Rubber Tired Loaders	2
Skid Steer Loaders	2
Tractors/Loaders/Backhoes	2
Collector Substation Grading	
Rollers	2
Rubber Tired Dozers	2
Tractor/Loader/Backhoes	2
Battery/Container Installation/Collector Substation Construction/Installation	
Air Compressor	2
Aerial Lift (man lift)	2
Bore/Drill Rig/	2
Cranes	2
Excavators	2
Generator Sets	2
Graders	2
Rubber Tired Dozer	2
Rollers	2
Skid Steer Loaders	2
Trencher	2
Tractors/Loaders/Backhoes	2
Plate Compactors	2
Gen-Tie Trenching	
Pumps	2
Skid Steer Loaders	2
Trencher	2
Tractors/Loaders/Backhoes	2
Gen-Tie Duck Bank and Vault Installation	
Aerial Lift	2
Cranes	2
Generator Sets	2
Skid Steer Loaders	2
Tractors/Loaders/Backhoes	2

Equipment Type	Maximum Quantity
Gen-Tie Jack-and-Bore	
Boring Jack Power Unit	1
Horizontal Boring Hydraulic Jack	1
Skid Steer Loaders	1
Tractors/Loaders/Backhoes	1
Welders	1
Gen-Tie Road Resurfacing and Clean-Up	
Pavers	1
Rollers	1
Skid Steer Loaders	1
Tractors/Loaders/Backhoes	1
Decommissioning	
Concrete/Industrial Saws	2
Cranes	2
Rubber Tired Dozers	2
Tractors/Loaders/Backhoes	2

The overhead portion of the line would be constructed per the standards set forth by California Public Utilities Commission (CPUC) General Order No. 95, Rules of Overhead Electric Line An aerial easement agreement with the City of Carson is required prior to construction. Construction as well as SCE structural design requirements, and the underground portion per CPUC General Order No. 128, Rules of the Construction of Underground Electric Supply and Communication Systems.

SCE Interconnection Construction

Civil construction for the SCE Hinson Substation interconnection would take up to seven months, beginning in August 2024, and would include grading, civil, equipment installation, wiring, and testing. Grading activities would include excavation, compaction, and drainage as needed. All substation construction activities would occur within the existing SCE Hinson Substation footprint. Construction vehicles would access the construction site from an existing asphalted main access road into the SCE Hinson Substation.

Following the completion of civil construction, electrical construction would begin. Electrical construction would take approximately two months to complete and would consist of steel structure erection, testing and installment of electrical equipment (switches, circuit breakers, etc.), installment of high voltage conductors, wiring and grounding, installment of year lights, and testing and installment of relays.

The proposed interconnection would be electrically served by the existing SCE Hinson Substation and BESS. Additionally, the project would construct a 220 kV TSP for connection to the existing SCE infrastructure. The pole would be approximately 130 feet in height with a 12-foot wide and 30-foot deep foundation. SCE would excavate and install the foundation for the SCE-owned TSP. The work would be performed by an SCE-approved contractor crew that would comply with all

rules, regulations, and standards with inter-departments and other agencies while performing the construction phase. The project would utilize an existing laydown yard located southwest of the SCE Hinson Substation in an area approximately 150 feet by 200 feet. Vegetation has been removed, and soil compacted for a previous project and requires no further site preparation.

2.6 Project Operations

Typical operation and maintenance activities that would occur on the project site during operation include, but are not limited to, liaison and remote monitoring administration and reporting; semi-annual and annual services; remote operations of batteries, inverters, substation, and site security and management; additional communication protocols; and repair and maintenance of the BESS, electrical transmission lines, and other project facilities. The electrical equipment; heating, ventilation, and air conditioning; fire protection systems; and security would be automated and monitored remotely. Periodic in-person inspections would be included as part of a security contract. The site would be unoccupied but would be visited periodically through the year for equipment inspections, monitoring and testing, and maintenance as needed. Batteries and various components would be replaced or renewed as necessary to ensure optimal performance.

2.7 Project Decommissioning

At the end of the proposed project's operational term, the applicant may determine that the project site would be decommissioned and deconstructed, or the Project Applicant may seek an extension of the use permit. The proposed project would include measures to ensure the collection and recycling of batteries and to avoid the potential for batteries to be disposed of as municipal waste.

All decommissioning and site restoration activities would adhere to the requirements of the appropriate governmental authorities and be in accordance with all applicable federal, State, and City regulations. The facility would be decommissioned at the end of its useful life. Aboveground equipment that would be removed includes battery containers/enclosures, inverters, transformers, substation steel bus work and enclosures, electrical wiring, etc. Equipment would be de-energized prior to removal, salvaged (where possible), placed in appropriate shipping containers, and secured in a truck transport trailer for shipment off site to be recycled or disposed of at an appropriately licensed disposal facility. Site infrastructure would be removed, including the fences and the concrete pads that may support the battery containers/enclosures, inverters, transformers, and related equipment. The demolition debris and removed equipment may be cut or dismantled into pieces that can be safely lifted or carried with the decommissioning equipment being used. The area would be thoroughly cleaned, and all debris would be removed. A collection and recycling program would be implemented to promote recycling of project components and minimize disposal in landfills.

Removal of SCE's interconnection facilities and associated upgrades is not required upon decommissioning; they may be used for other purposes or removed depending on future needs.

2.8 Project Approvals and Discretionary Actions

The City of Carson as the lead agency (per California Environmental Quality Act (CEQA) Guidelines Section 15050) for the proposed project has discretionary responsibility for the proposed project. To implement the proposed project, the proposed project may need to obtain discretionary and ministerial permits/approvals including, but not limited to the following:

- Conditional Use Permit
- Design Overly Review
- Development Agreement
- National Pollution Discharge Elimination System (NPDES) Construction General Permit
- General Construction Stormwater Permit
- Grading and building permits
- Demolition Permit

Portions of the gen-tie line crossing the Dominguez Channel, which is under the jurisdiction of Los Angeles County Flood District, and UPRR facilities, would require confirmation or approval of related access and easement rights.

The preceding discretionary actions/approvals are potentially required and do not necessarily represent a comprehensive list of all possible discretionary permits/approvals required. Other additional permits or approvals from responsible agencies may be required for the proposed project and project-related offsite improvements.

CHAPTER 3
Environmental Checklist

I. Aesthetics

Issues (and Supporting Information Sources)	*Potentially Significant Impact*	*Less than Significant with Mitigation Incorporated*	*Less-than-Significant Impact*	*No Impact*
AESTHETICS— Except as provided in Public Resources Code Section 21099, would the project:				
a) Have a substantial adverse effect on a scenic vista?	☐	☐	☐	☒
b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a State scenic highway?	☐	☐	☐	☒
c) In non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?	☐	☐	☒	☐
d) Create a new source of substantial light or glare which would adversely affect daytime or nighttime views in the area?	☐	☐	☒	☐

Discussion

a) The project site is located on one parcel within the City of Carson which is currently developed as an aggregate recycling center and surrounded by mixed industrial uses. The proposed gen-tie line originates at the project site and travels partially through an urbanized area within the City of Carson and City of Los Angeles and partially through an open space area to the SCE Hinson Substation located within the City of Long Beach. . There are no officially designated scenic vistas within the cities of Carson, Los Angeles or Long Beach (City of Carson 2023, City of Los Angeles 2021; City of Long Beach 2019). Furthermore, the project site and project-related offsite improvements are within an established built-up area characterized by a mix of industrial uses and open space. The proposed project and project-related offsite improvements would develop similar uses to those in the surrounding area. Therefore, no impacts to a scenic vista would occur.

b) According to the California Department of Transportation (Caltrans), there are no Officially Designated State or County Scenic Highways as defined by Caltrans, the County of Los Angeles, or any other local governing body adjacent to or within the vicinity of the project site or project-related offsite improvements (Caltrans 2021). Furthermore, there are no officially designated scenic vistas or scenic highways within

the cities of Carson, Los Angeles or Long Beach (City of Carson 2023, City of Los Angeles 2021; City of Long Beach 2019). Therefore, no impact to scenic resources within a State scenic highway would occur.

c) The project site and project-related offsite improvements are located partially within an urbanized area characterized by a mix of industrial uses and partially within an open space area. Current uses adjoining the project site include an oil refinery to the north, the Dominguez Channel to the east, and a coke (petroleum) storage facility to the south. Alameda Street borders the project site to the west, with the UPRR and the former ARCO refinery, now known as the Marathon Los Angeles Refinery, beyond. Implementation of the proposed project and project-related offsite improvements would result in a significant impact if the proposed project and project-related offsite improvements would conflict with applicable zoning and other regulations governing scenic quality.

The project site and portion of the gen-tie route located within the City of Carson are zoned MH-D (Manufacturing, Heavy – with Site Plan and Design Review Overlay) (Carson 2017) with a General Plan land use designation of Heavy Industrial (Carson 2023). The portion of the gen-tie route located within the City of Los Angeles is zoned as M3-1 (Heavy Industrial Zone) with a General Plan land use designation of Industrial – Light Manufacturing. The SCE Hinson Substation located within the City of Long Beach is zoned as PR (Public Right-of-Way Zone) (City of Long Beach 2021) with a General Plan land use designation of OS (Open Space) (City of Long Beach 2019).The overhead portion of the gen-tie line would include transmission poles that would be up to 175 feet in height. The City of Carson's General Plan Land Use Element contains policies and regulations governing scenic quality and visual aesthetics for the City. However, there are no aesthetic related regulations regarding industrial development within the General Plan. Approval of the proposed project would require Site Plan and Design review to ensure that the proposed project does not conflict with applicable zoning and other regulations governing scenic quality. The proposed project would be required to comply with City's Industrial Zone Site Development Standards (CMC Section 9146), which contains building requirements for structures, frontages, and landscaping. As a result, the proposed project would be consistent with the CMC.

The proposed project and project-related offsite improvements would be consistent with the scale and massing of the surrounding industrial development. Under the proposed project, approximately 10,073 square feet of the existing front yard landscaping would remain. In addition, approximately 4,019 square feet of the existing front yard planting beds would be rehabilitated with low water use climate adapted plants and 5 new trees would be planted to improve the streetscape and provide additional screening for the proposed project. The proposed design of the BESS, gen-tie line, and existing landscaping would provide visual continuity within the area.

Therefore, based on the above, the proposed project and project-related offsite improvements would not conflict with zoning or regulations governing scenic quality and impacts would be less than significant.

d) The project site and project-related offsite improvements are located partially within an urbanized area currently developed with an aggregate recycling center where typical sources of glare include the reflection of sunlight or artificial light by highly polished surfaces such as window glass or reflective materials. In addition, existing industrial uses surrounding the project site typically include nighttime security, wayfinding lighting, and light from outdoor sources, such as street lighting, parking lot lighting, building illumination, and vehicles. No light-sensitive residential uses are located immediately adjacent to the project site and project-related offsite improvements. The nearest light-sensitive residential land uses are approximately 2,650 feet west of the project site, 350 feet to the west of the gen-tie line, and 500 feet to the north of the existing SCE Hinson Substation connection point. Implementation of the proposed project and project-related offsite improvements would introduce new sources of nighttime lighting on the project site through installation of exterior light fixtures required for security and wayfinding. Pursuant to CMC Section 9127.1, and Long Beach Municipal Code (LBMC) Section 21.54.250, for the project components located in each respective jurisdiction, all exterior lighting installed on the project site would be directed away from all adjoining and nearby residential property and arranged and controlled so it would not create a nuisance or hazard to traffic or to the living environment. As such, all exterior lighting would be shielded and/or recessed to reduce light trespass (i.e., excessive or unwanted light generated on one property illuminating another property). Therefore, through compliance with local requirements, impacts associated with light and nighttime glare would be less than significant.

II. Agriculture and Forestry Resources

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

Discussion

a) The project site is located on one parcel that is currently developed as an aggregate recycling center. The proposed gen-tie line originates at the project site and travels partially through an urbanized area within the City of Carson and City of Los Angeles and partially through an open space area to the SCE Hinson Substation located within the City of Long Beach. The project site and project-related offsite improvements are not zoned for agricultural uses and no agricultural uses or related operations are present on the project site, project-related offsite improvements, or in the surrounding urbanized and open space area. The project site and project-related offsite improvements are not located on designated Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland) as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program (CDC 2022). Therefore, no impact would occur from conversion of Farmland to non-agricultural uses.

b) The project site and portion of the gen-tie route located within the City of Carson are zoned MH-D (Manufacturing, Heavy – with Site Plan and Design Review Overlay) (Carson 2017). The portion of the gen-tie route located within the City of Los Angeles is zoned as M3-1 (Heavy Industrial Zone). The SCE Hinson Substation located within the City of Long Beach is zoned as PR (Public Right-of-Way Zone) (City of Long Beach

2021). No agricultural zoning is present in the project vicinity, and no nearby lands are enrolled under the Williamson Act (CDC 2017). The California Department of Conservation, Division of Conservation, Division of Land Resource Protection does not identify the project site and project-related offsite improvements as being protected by the Williamson Act (CDC 2017). As such, the proposed project and project-related offsite improvements would not conflict with existing zoning for agricultural uses, or a Williamson Act contract and no impact would occur.

c) As discussed previously, the project site and portion of the gen-tie route located within the City of Carson are zoned MH-D (Manufacturing, Heavy – with Site Plan and Design Review Overlay) (Carson 2017). The portion of the gen-tie route located within the City of Los Angeles is zoned as M3-1 (Heavy Industrial Zone). The SCE Hinson Substation located within the City of Long Beach is zoned as PR (Public Right-of-Way Zone) (City of Long Beach 2021). The project site includes one parcel which is currently developed as an aggregate recycling center within an urbanized area. No forestland or timberland uses are located in the project site's urban setting or vicinity. Therefore, no impact would occur to zoning for forestland or timberland.

d) As discussed above, the project site and portion of the gen-tie route located within the City of Carson are zoned MH-D (Manufacturing, Heavy – with Site Plan and Design Review Overlay (Carson 2017). The portion of the gen-tie route located within the City of Los Angeles is zoned as M3-1 (Heavy Industrial Zone). The SCE Hinson Substation located within the City of Long Beach is zoned as PR (Public Right-of-Way Zone) (City of Long Beach 2021). No forestland or timberland uses are located at the project site or project-related offsite improvements or within the vicinity. Therefore, no impact would occur to forestland or timberland.

e) As discussed above, the proposed project and project-related offsite improvements would not involve changes to the existing environment that could result in the conversion of farmland or forestland and there are no farmland uses on or in the vicinity of the project site or project-related offsite improvements. Therefore, no impact would occur from a conversion of farmland to a non-agricultural use.

III. Air Quality

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

Discussion

Regulatory Background

a) The proposed project and project-related offsite improvements are located within the 6,745-square-mile South Coast Air Basin (Basin). Air quality planning for the Basin is under the jurisdiction of the South Coast Air Quality Management District (SCAQMD). SCAQMD is the agency principally responsible for comprehensive air pollution control in the Basin. The Basin is subject to the SCAQMD's Air Quality Management Plan (AQMP), which was created to meet the to meet the California Ambient Air Quality Standards (CAAQS) and National Ambient Air Quality Standards (NAAQS) for criteria air pollutants. The AQMP contains a comprehensive list of pollution control strategies directed at reducing emissions from stationary sources and on-road and off-road mobile sources and achieving ambient air quality standards. These strategies are developed, in part, based on regional population, housing, and employment projections prepared by the Southern California Association of Governments (SCAG). As part of its air quality planning, SCAG has prepared the Regional Comprehensive Plan (RCP) and Guide and the Regional Transportation Program/Sustainable Communities Strategy (RTP/SCS), these plans provide the basis for the land use and transportation components of the AQMP and are used in the preparation of the air quality forecasts and the consistency analysis included in the AQMP.[1] Both the RCP and AQMP are based, in part, on projections originating with County of Los Angeles and City of Carson general plans. The proposed project and project-related offsite improvements would be subject to the SCAQMD's AQMP.

The most current AQMP is the *2022 Air Quality Management Plan* (2022 AQMP), which was adopted on December 2, 2022 (SCAQMD 2022). The goal of the 2022 AQMP is to

[1] The most recent version of the AQMP (2016 AQMD) is based on the 2016-2040 RTP/SCS and will therefore rely on the 2016-2040 RTP/SCS when discussing plan consistency.

provide a regional roadmap to help the Air Basin achieve the USEPA's NAAQS 2015 8-hour ozone standard (70 parts per billion). The 2022 AQMP builds upon measures already in place from previous AQMPs. It also includes a variety of additional strategies such as regulation, accelerated deployment of available cleaner technologies (e.g., zero emissions technologies, when cost-effective and feasible, and low NOx technologies in other applications), best management practices, co-benefits from existing programs (e.g., climate and energy efficiency), incentives, and other CAA measures to achieve the 2015 8-hour ozone standard.

The 2022 AQMP incorporates the transportation strategy and transportation control measures from SCAG's Connect SoCal 2020 (2020-2045 *Regional Transportation Plan/Sustainable Communities Strategy* [2020-2045 RTP/SCS]) (SCAG 2020). SCAG is the regional planning agency for Los Angeles, Orange, Ventura, Riverside, San Bernardino, and Imperial Counties, and addresses regional issues relating to transportation, the economy, community development and the environment. SCAG coordinates with various air quality and transportation stakeholders in Southern California to ensure compliance with the federal and state air quality requirements. Pursuant to California Health and Safety Code Section 40460, SCAG has the responsibility of preparing and approving the portions of the AQMP relating to the regional demographic projections and integrated regional land use, housing, employment, and transportation programs, measures, and strategies. SCAG is required by law to ensure that transportation activities "conform" to, and are supportive of, the goals of regional and state air quality plans to attain the NAAQS. The RTP/SCS includes transportation programs, measures, and strategies generally designed to reduce vehicle miles traveled (VMT), which are contained in the AQMP.

The 2022 AQMP forecasts future emissions inventories with growth based on SCAG's 2020-2045 RTP/SCS. According to the 2022 AQMP, the region is projected to see a 12 percent growth in population, 17 percent growth in housing units, 11 percent growth in employment, and an 8 percent growth in VMT between 2018 and 2037. Despite regional growth in the past, air quality has improved substantially over the years, primarily due to the effects of air quality control programs at the local, state and federal levels (SCAG 2020).

Noteworthy control strategies for mobile sources in the AQMP with potential applicability to reducing short-term emissions from construction activities associated with the proposed project and project-related offsite improvements include strategies denoted in the 2022 AQMP as MOB-06, MOB-11, and MOB-15, which are intended to reduce emissions from on-road and off-road heavy-duty vehicles and equipment (SCAG 2020). Descriptions of measures MOB-06, MOB-11, and MOB-15 are provided below:

- **MOB-06 – Accelerated Retirement of Older On-Road Heavy-Duty Vehicles:** This measure seeks additional emission reductions from existing heavy-duty vehicles with GVWR greater than 8,500 lbs through an accelerated vehicle replacement program with zero or low NO_X emission vehicles.

- **MOB-11 – Emission Reductions from Incentive Programs:** This control measure seeks to quantify and take credit for the emission reductions achieved through the implementation of SCAQMD administered incentive programs for SIP purposes. The South Coast AQMD has been implementing a variety of incentive programs including, but not limited to, Carl Moyer Memorial Air Quality Standards Attainment Program, Proposition 1B, Lower Emission School Bus, Community Air Protection Program, and Volkswagen Environmental Mitigation Trust. Examples of projects funded by these programs include heavy-duty vehicle/equipment replacements, installation of retrofit units, and engine repowers. These incentive programs result in substantial emission reductions that are typically not eligible for credit in plans to attain ozone standards because they are not required by regulation. However, actual emission reductions that are realized and quantified may qualify for credit.
- **MOB-15 – Zero Emission Infrastructure for Mobile Sources:** This control measure is intended to support and accelerate the deployment of zero emission infrastructure needed for the widespread adoption of zero emission vehicles and equipment. AB 2127 estimated that the State will need 157,000 electric vehicle charging stations for medium and heavy-duty vehicles by 2030. AB 8 assessed the fueling needs for hydrogen fuel cell vehicles and found that 1,700 hydrogen stations will be needed to support 1.8 million fuel cell electric vehicles (FCEVs) statewide by 2035. The proposed measure seeks to address these concerns and identify the unique challenges and opportunities for zero emission infrastructure development in the South Coast Air Basin, particularly as it relates to zero emission medium and heavy vehicle deployments.

The proposed project's and project-related offsite improvement's consistency with applicable air quality plans is provided below. There are no applicable numerical thresholds of significance for this consistency analysis. In accordance with the SCAQMD's CEQA Air Quality Handbook, the following criteria were used to evaluate the proposed project's and project-related offsite improvement's consistency with the SCAQMD's 2022 AQMP:

- Criterion 1: Will the project result in any of the following:
  - An increase in the frequency or severity of existing air quality violations; or
  - Cause or contribute to new air quality violations; or
  - Delay timely attainment of air quality standards or the interim emission reductions specified in the AQMP.
- Criterion 2: Will the project exceed the assumptions utilized in preparing the AQMP?

The proposed project's and project-related offsite improvement's potential impacts with respect to these criteria are discussed to assess the consistency with the SCAQMD's 2022 AQMP.

Criterion 1

Consistent with the first criterion, the proposed project and project-related offsite improvements would not conflict with the ability of federal, State, and local agencies to implement fair-share emissions strategies or achieve compliance with criteria pollutant standards or other federal requirements. Specifically, the proposed project's and project-

related offsite improvement's volatile organic compound (VOC), nitrogen oxides (NO_X), carbon monoxide (CO), sulfur dioxide (SO_2), respirable particulate matter (10 microns or smaller in diameter, PM10), and fine particulate matter (2.5 microns or smaller in diameter, PM2.5) emissions resulting from construction and operation were analyzed to ascertain any potential effects on regional and localized concentrations and determine the potential for such emissions to cause or contribute to a violation of the ambient air quality standards. As discussed under response to Section III (b) and response to Section III (c), the proposed project's and project-related offsite improvement's construction and operational emissions would not exceed the SCAQMD's regional mass emissions thresholds for VOC, NO_X, CO, SO2, PM10 or PM2.5 or the localized significance thresholds (LSTs) for NO_X, CO, PM10 or PM2.5, or generate roadway traffic congestion at an intersection that would result in a CO hotspot in excess of the ambient air quality standards as a result of project motor vehicle operations. The proposed project's and project-related offsite improvement's emissions would therefore not increase concentrations of criteria pollutants or their precursors in a manner that would conflict with or obstruct SCAQMD's efforts to achieve attainment of ambient air quality standards for any criteria pollutant for which it is currently not in attainment or jeopardize the current attainment status of the Basin for other criteria pollutants. Therefore, in response to Criterion 1, the proposed project and project-related offsite improvements would not result in an increase in the frequency or severity of existing air quality violations, cause or contribute to new air quality violations, or delay timely attainment of air quality standards or the interim emissions reductions specified in the AQMP.

Criterion 2

With respect to the second criterion for determining consistency with AQMP growth assumptions, the projections in the AQMP for achieving air quality goals are based on assumptions in SCAG's 2020–2045 RTP/SCS regarding population, housing, and growth trends. Determining whether or not a project exceeds the assumptions reflected in the AQMP involves the evaluation of consistency with applicable population, housing, and employment growth projections and appropriate incorporation of AQMP control measures. The following discussion provides an analysis with respect to these criteria.

Air Quality Management Plan Consistency

The proposed project and project-related offsite improvements would not obstruct implementation of the 2022 AQMP for, as discussed below, its construction and operational emissions would be less than significant. The proposed project and project-related offsite improvements would comply with applicable required fleet rules and control strategies to reduce on-road truck emissions (i.e., 13 California Code of Regulations, Section 2025 [CARB Truck and Bus regulation]), and other applicable SCAQMD rules specified and incorporated in the 2022 AQMP. As discussed above, projects, uses, and activities that are consistent with the applicable growth projections and control strategies used in the development of the AQMP would not jeopardize attainment of the air quality levels identified in the AQMP. As discussed below, compliance with the applicable required fleet rules and control strategies and requirements would render it consistent with, and meet or exceed, the AQMP requirements for control strategies

intended to reduce emissions from construction equipment and activities. Thus, the proposed project's and project-related offsite improvement's criteria pollutant emissions would not cause the Basin's criteria pollutant emissions to worsen so as to impede the SCAQMD's efforts to achieve attainment with respect to any criteria pollutant for which it is currently not in attainment of the NAAQS and CAAQS (e.g., ozone, PM10, and PM2.5),[2] or to cause the Basin to deteriorate from its current attainment status with respect to any other criteria pollutant emissions.

As further discussed below, the proposed project and project-related offsite improvements are also consistent with the 2022 AQMP. The proposed project and project-related offsite improvements incorporates into its design appropriate control strategies set forth in the 2022 AQMP for achieving its emission reduction goals and would be consistent with the demographic and economic assumptions upon which the plan is based.

Construction

Control Strategies

During its construction phase, the proposed project and project-related offsite improvements would ensure compliance with CARB's requirements to minimize short-term emissions from on-road and off-road diesel equipment, and with SCAQMD's regulations such as SCAQMD Rule 403 for controlling fugitive dust and SCAQMD Rule 1113 for controlling VOC emissions from architectural coatings. Compliance with these regulatory measures and requirements would be consistent with and meet or exceed the AQMP requirements for control strategies intended to reduce emissions from construction equipment and activities.

Growth Projections

The proposed project and project-related offsite improvements would generate short-term construction jobs, but these jobs would not necessarily bring new construction workers or their families into the region, since construction workers are typically drawn from an existing regional pool who travel among construction sites within the region. Construction workers are not typically brought from other regions to work on developments such as the proposed project and project-related offsite improvements. Moreover, these jobs would be relatively small in number and temporary in nature. Therefore, the proposed project's and project-related offsite improvement's construction jobs would not conflict with the long-term employment or population projections upon which the 2022 AQMP is based.

[2] The Los Angeles County portion of the Basin is designated as nonattainment for the federal lead standard; however, this was due to localized emissions from two lead-acid battery recycling facilities in the City of Vernon and the City of Industry that are no longer operating. For reference refer to South Coast Air Quality Management District, Board Meeting, Agenda No. 30, Adopt the 2012 Lead State Implementation Plan for Los Angeles County, May 4, 2012.

Operations

Control Strategies and Policy Consistency

The 2022 AQMP was prepared to accommodate growth, reduce the levels of pollutants within the areas under the jurisdiction of SCAQMD, return clean air to the region, and minimize the impact on the economy. Projects that are considered consistent with the AQMP would not interfere with attainment because this growth is included in the projections used in the formulation of the AQMP. As mentioned above, for determining consistency with AQMP growth assumptions, the projections in the AQMP for achieving air quality goals are based on assumptions in SCAG's 2020-2045 RTP/SCS regarding population, housing, and employment growth trends.

The project site is zoned Manufacturing, Heavy – with Site Plan and Design Review Overlay with a General Plan land use designation of Heavy Industrial. The approximate 200-megawatt BESS would consist of lithium-ion (or similar technology available at the time of construction) batteries on racks and stored in container or enclosures, inverters, MV transformers, switchgear, a collector substation, and gen-tie lines to transfer power released or captured by the proposed project to the SCE Hinson Substation. The project site is located within an industrial area with an oil refinery (Air Products) to the north, a coke (petroleum) storage facility to the south, the Dominquez Channel to the east, and Alameda Street to west. The proposed gen-tie line would be located approximately 500 feet north of the nearest residential use west of the SCE Hinson Substation.

Growth Projections

The proposed project and project-related offsite improvements would be unoccupied and monitored remotely. Minimal periodic visits would be conducted for on-site equipment inspections, monitoring and testing. Therefore, during operation of the proposed project and project-related offsite improvements, minimal amounts of emissions could be generated from periodic visits from service vehicles. Thus, a qualitative analysis is appropriate for assessing the proposed project's and project-related offsite improvement's mobile operational emissions.

The proposed project and project-related offsite improvements do not include residential or commercial development. The project site would not require daily staffing but rather require only periodic maintenance. No new employees would be required to operate the facilities. Implementation of the proposed project and project-related offsite improvements would not induce any additional growth within the service area, but rather would accommodate planned growth within the service area. As discussed in Section XVII, *Transportation*, this proposed project and project-related offsite improvements would not have a significant impact on transportation.

Projects, uses, and activities that are consistent with the applicable growth projections and control strategies used in the development of the AQMP would not jeopardize attainment of the air quality reductions identified in the AQMP. Based on the above, the proposed project and project-related offsite improvements would not conflict with growth projections in the 2022 AQMP and impacts would be less than significant.

b) As indicated above, the project site and project-related offsite improvements are located within the South Coast Air Basin. State and federal air quality standards are exceeded in many parts of the Basin for ozone (O_3) and PM2.5, including those monitoring stations nearest to the project site and project-related offsite improvements, and the Basin is designated a State and federal non-attainment area for these pollutants. The Basin is also designated as a State non-attainment area for PM10. The proposed project and project-related offsite improvements would contribute to local and regional air pollutant emissions during construction (short-term or temporary) and operation. However, based on the following analysis, construction and operation of the proposed project and project-related offsite improvements would result in less-than-significant impacts relative to the daily significance thresholds for criteria air pollutant emissions established by the SCAQMD for construction and operational phases.

Daily regional construction and operational source project ozone precursor and criteria pollutant emissions such as VOC, NO_X, CO, SO_2, PM10, and PM2.5 were estimated using the most recent version of the California Emissions Estimator Model (CalEEMod) software, an emissions inventory software program recommended by SCAQMD. CalEEMod is based on outputs from the CARB OFFROAD model and the CARB on-road vehicle emissions factor (EMFAC) model, which are emissions estimation models developed by CARB and used to calculate emissions from construction activities, heavy-duty off-road equipment, and on-road vehicles. Activities parameters, such as number of pieces of equipment and equipment usage hours were provided by the Applicant.

Construction

Construction activities associated with the proposed project and project-related offsite improvements would generate temporary and short-term emissions of VOC, NO_X, CO, SO_2, PM10, and PM2.5. Construction related emissions are expected from site preparation, demolition, grading, trenching, installation of enclosures, substation and poles, paving, and decommissioning. During demolition approximately 150 cubic yards (cy) of concrete/asphalt debris would be generated. During the grading all existing crushed material from the existing business will be balanced throughout the site. No import or export of soil is anticipated. The proposed project's and project-related offsite improvement's construction is expected to commence in the third quarter 2024 and would last through first quarter 2026. If the proposed project's and project-related offsite improvement's construction commences later than the anticipated start date, air quality impacts would be less than those analyzed herein, because a more energy-efficient and cleaner burning construction equipment fleet mix would be expected in the future, pursuant to State regulations that require construction equipment fleet operators to phase-in less polluting heavy-duty equipment. Therefore, air quality impacts would generally be less than those analyzed herein due to the likelihood of less emissions generated in a day.

The duration of construction activity and associated equipment represents a reasonable approximation of the expected construction fleet as required per CEQA guidelines. Site specific construction fleet may vary due to specific project needs at the time of construction. The duration of construction activity and associated construction equipment

was estimated based on consultation with the Applicant. A detailed summary of construction equipment assumptions by phase is provided in the modeling files in **Appendix A** of this IS/MND.

Construction of the proposed project and project-related offsite improvements is estimated to last approximately 18 months. Construction duration by phase is provided in **Table 2, Estimated Construction Schedule**.

TABLE 2
ESTIMATED CONSTRUCTION SCHEDULE

Activity	Start Date	End Date	Duration (Work Days)
SCE Upgrades/Interconnection			
Civil Construction	8/1/2024	10/1/2024	53
Electrical Construction/Testing	10/2/2024	12/24/2024	72
Electrical Construction	12/25/2024	1/5/2025	10
Electrical Construction	1/15/2025	2/1/2025	16
FO Cable Construction	2/2/2025	2/7/2025	5
FO Cable Civil Construction	2/8/2025	2/19/2025	10
BESS			
Site Preparation	3/1/2025	3/15/2025	13
Collector Substation Site Preparation	3/1/2025	3/15/2025	13
BESS Grading	3/1/2025	4/30/2025	52
Collector Substation Grading	3/1/2025	4/1/2025	27
Battery/Container Installation & Collector Substation	4/1/2025	11/30/2025	209
Construction/Installation	8/1/2025	10/31/2025	79
Gen-tie Trenching	8/1/2025	10/31/2025	79
Gen-Tie Duct Bank and Vault Installation	11/1/2025	11/30/2025	25
Gen-Tie Jack-and-Bore	12/1/2025	2/28/2026	78
Gen-Tie Road Resurface and Clean Up	3/1/2026	3/30/2026	25

SOURCE: City of Carson 2023, in consultation with the Applicant

The maximum daily regional emissions from these activities are estimated by construction phase and compared to the SCAQMD significance thresholds. Maximum daily emissions are calculated by taking the sum of the overlapping phases for each criteria pollutant. As shown in **Table 3, Maximum Regional Construction Emissions – Without Mitigation (Pounds per Day)**, emissions resulting from the proposed project and project-related offsite improvements construction would not exceed any criteria pollutant thresholds established by the SCAQMD (SCAQMD 2015). Therefore, impacts would be considered less than significant, and no mitigation is required.

TABLE 3
MAXIMUM REGIONAL CONSTRUCTION EMISSIONS – WITHOUT MITIGATION (POUNDS PER DAY)

	Emissions (pounds per day)					
Year	**VOC**	**NO_X**	**CO**	**SO_X**	**PM10**	**PM2.5**
Construction Phases - SCE Upgrades/Interconnection						
Civil Construction (2024)	<1	3.7	5.9	<1	<1	<1
Electrical Construction 1 (2024)	<1	2.7	9.3	<1	<1	<1
Electrical Construction 2 (2024)	<1	4.8	15.2	<1	<1	<1
Electrical Construction 2 (2025)	<1	4.8	15.2	<1	<1	<1
Electrical Construction 3 (2025)	<1	3.1	11.1	<1	<1	<1
FO Cable Construction 1 (2025)	<1	<1	1.0	<1	<1	<1
FO Cable Construction 2 (2025)	<1	1.8	4.9	<1	<1	<1
Maximum Daily Regional Emissions	**<1**	**4.8**	**15.2**	**<1**	**<1**	**<1**
SCAQMD Regional Threshold	75	100	550	150	150	55
Threshold Exceeded?	No	No	No	No	No	No
Construction Phases - BESS						
Site Preparation (2025)	<1	4.2	24.9	<1	1.2	<1
Collector Substation Site Preparation (2025)	<1	1.8	18.7	<1	13.4	6.9
BESS Grading (2025)	<1	6.1	29.1	<1	20.	<1
Collector Substation Grading (2025)	<1	3.2	21.8	<1	13.6	6.9
Collector and Battery Installation (2025)	1.8	17.0	65.6	<1	2.0	<1
Gen-Tie Duct Bank and Vault Installation (2025)	<1	7.3	24.1	<1	<1	<1
Gen-Tie Jack-and-Bore (2025)	<1	3.0	11.9	<1	<1	<1
Decommissioning (2026)	<1	7.7	34.0	<1	1.2	<1
Gen-Tie Road Resurface and Clean Up (2025)	<1	2.4	8.2	<1	<1	<1
Gen-Tie Road Resurface and Clean Up (2026)	<1	2.4	8.1	<1	<1	<1
Gen-Tie Trenching (2025)	<1	10.7	15.7	<1	1.6	<1
Overlapping Phases - BESS						
Site Preparation & Collector Substation Site Preparation & BESS Grading & Collector Substation Grading	2.1	15.2	94.5	<1	30.2	14.4
Collector and Battery Installation & Gen-Tie Trenching & Gen-Tie Duct Bank Vault Installation	3.2	34.9	105.4	<1	4.4	1.5
Collector and Battery Installation & Gen-Tie Jack-and-Bore	2.1	20.0	77.4	<1	2.4	<1
Maximum Daily Regional Emissions	**3.2**	**34.9**	**105.4**	**<1**	**30.2**	**14.4**
SCAQMD Regional Threshold	75	100	550	150	150	55
Threshold Exceeded?	No	No	No	No	No	No

NOTE:
Totals may not add up exactly due to rounding in the modeling calculations. Refer to **Appendix A** of this IS/MND for details.
SOURCE: ESA 2022

Operation

The proposed project is a battery energy storage facility which will consists of transformer, a switchgear, a collector substation, containers or enclosures that will house lithium-ion (or similar technology available at the time of construction) batteries, an emergency generator, and a gen-tie line to transfer power released or captured to the SCE Hinson Substation. The proposed project would include a 110 kilowatt (kW) natural gas emergency generator. As previously stated, during operations, the proposed project and project-related offsite improvements would be unoccupied and monitored remotely and no new employees were assumed. Therefore, minimal emissions from mobile emissions were assumed for periodic inspections, monitoring, maintenance, and testing purposes. Energy usage would come in the form of electricity and natural gas for container/enclosure heating, ventilation, and air conditioning (HVAC) systems, security lighting, and area sources such as landscaping equipment. The electricity required to power the air conditioning units would be obtained internally and each individual enclosure would be directly connected to the energy storage system's discharge and would not require additional electrical input. However, this analysis conservatively assumes the proposed project and project-related offsite improvements would be connected to the local utility provider. The proposed project and project-related offsite improvements can expect most of the energy usage to come from lighting and the HVAC system required to provide air conditioning of the building. Operational emissions modeling conservatively assumes the emergency generator would run a maximum of 50 hours annually for emergencies and for a maximum of 2 hours during a day when maintenance occurs. The proposed project would also include landscaping equipment such as lawnmower and trimmers to maintain the approximately 14,092 square feet of landscaping proposed along the entrance to the project site.

Operational emissions for the proposed project and project-related offsite improvements were estimated using CalEEMod for the land uses that would be developed under the proposed project and project-related offsite improvements (2026 project buildout) (refer to **Appendix A** of this IS/MND for compiled detailed assumptions, calculations, and modeling outputs). The CalEEMod tool uses landscaping equipment greenhouse gas (GHG) emission factors from the CARB OFFROAD model and the CARB Technical Memo: Change in Population and Activity Factors for Lawn and Garden Equipment (CARB 2003). The CalEEMod software estimates that landscaping equipment operate for 250 days per year in the Basin. Emissions of VOCs from the use of consumer products and architectural coatings are based on SCAQMD-specific emission factors for land uses in the Basin.

Operational-source emissions are summarized in **Table 4, Estimated Maximum Unmitigated Regional Operational Emissions (Pounds per Day)**. As shown, project operational-source emissions are below the applicable SCAQMD regional thresholds of significance (SCAQMD 2015). Therefore, impacts would be considered less than significant, and no mitigation is required.

TABLE 4
ESTIMATED MAXIMUM REGIONAL OPERATIONAL EMISSIONS (POUNDS PER DAY)[a]

Source	VOC	NO_X	CO	SO_2	PM10	PM2.5
Proposed Project and project-related offsite improvements						
Area (Consumer Projects, Landscaping)	9.4	0.1	13.2	<0.005	0.0	0.0
Energy (Natural Gas)	0.1	2.1	1.7	0.0	0.2	0.2
Stationary (Emergency Generator)	0.1	1.2	1.1	0.0	0.1	0.1
Total Project and project-related offsite improvements	**9.6**	**3.4**	**16.1**	**0.0**	**0.2**	**0.2**
SCAQMD Numeric Indicators	**55**	**55**	**550**	**150**	**150**	**55**
Exceeds Thresholds?	No	No	No	No	No	No

NOTES:

[a] Totals may not add up exactly due to rounding in the modeling calculations. Detailed emissions calculations are provided in Exhibit B of this technical report.

SOURCE: ESA 2023

The SCAQMD's approach for assessing cumulative impacts related to operations is based on attainment of ambient air quality standards in accordance with the requirements of the federal and California Clean Air Acts. As discussed earlier, the SCAQMD has developed a comprehensive plan, the 2022 AQMP, which addresses the region's cumulative air quality condition.

c) According to the SCAQMD CEQA Air Quality Handbook, sensitive receptors include residences, schools, playgrounds, childcare centers, athletic facilities, long-term health care facilities, rehabilitation centers, convalescent centers, and retirement homes.

The localized effects from the on-site portion of the emissions were evaluated at nearby sensitive receptor locations potentially impacted by the proposed project and project-related offsite improvements according to the SCAQMD's Localized Significance Threshold Methodology (June 2003, revised July 2008), which relies on on-site mass emission rate screening tables and project-specific dispersion modeling, which may be used for sites greater than 5 acres or for projects that exceed the screening tables, as appropriate (SCAQMD 2008). LSTs represent the maximum emissions from a project site that are not expected to result in an exceedance of a NAAQS or CAAQS.

The LSTs are applicable to NO_X, CO, PM10, and PM2.5. For NO_X and CO, the thresholds are based on the ambient air quality standards. For PM10 and PM2.5, the thresholds are based on requirements in SCAQMD Rule 403 (Fugitive Dust) for construction and Rule 1303 (New Source Review Requirements) for operations. The SCAQMD has established screening criteria that can be used to determine the maximum allowable daily emissions that would satisfy the LSTs and, therefore, not cause or contribute to an exceedance of the applicable ambient air quality standards without project-specific dispersion modeling. The screening criteria depend on: (1) the area in which the project is located, (2) the size of the project area, and (3) the distance between

the project area and the nearest sensitive receptor (e.g., residences, schools, hospitals). For the proposed project and project-related offsite improvements, the appropriate Source Receptor Area (SRA) for the LSTs is the South Los Angeles County Coastal monitoring station (SRA 4). The nearest sensitive receptors to the proposed project are the residential uses located 350 feet to the east of the gen-tie route, 500 feet to the north of the SCE Hinson Substation connection point, and approximately 2,500 feet to the east of the BESS portion of the project site. The total acreage disturbed in any one day is estimated to be 5 acres. The LST analysis were based on the SCAQMD's look-up tables for a 5-acre site in SRA 4 with sensitive receptors located 100 meters (350 feet) from the project site (June 2003, revised July 2008).

The localized effects from the on-site portion of the proposed project's and project-related offsite improvement's daily emissions were evaluated at the sensitive receptor locations that would be potentially impacted by the proposed project and project-related offsite improvements according to the SCAQMD's LST methodology. SCAQMD's Methodology clearly states that "off-site mobile emissions from the project should not be included in the emissions compared to LSTs." Therefore, for purposes of the LST analysis, only emissions included in the CalEEMod "on-site" emissions outputs were considered, plus the truck idling emissions (e.g., haul trucks and vendor trucks) that were calculated separately using the EMFAC emission factors for heavy-heavy-duty (HHD) vehicles. Daily localized emissions caused by the proposed project and project-related offsite improvements were compared to the LSTs in the SCAQMD's look-up tables to determine whether the emissions would cause violations of ambient air quality standards.

Construction Emissions

Localized Construction Emissions

Table 5, Maximum Daily Localized Construction Emissions, presents the localized emissions from on-site equipment during the construction of the proposed project and project-related offsite improvements, located 100 meters (350 feet) west of the project site, in the vicinity of the project area without mitigation.

Based on the results summarized in Table 5, the unmitigated proposed project and project-related offsite improvements impacts would not exceed the LSTs.

Operational Emissions

According to SCAQMD LST methodology, LSTs would apply to the operational phase of a project, if the project includes stationary sources, or attracts mobile sources. With regard to on-site sources of emissions, the proposed project and project-related offsite improvements would generate emissions from area sources located on-site such as natural gas combustion from landscaping equipment, and use of consumer products. **Table 6, Maximum Daily Localized Operational Emissions**, presents the localized emissions from on-site equipment during the operation of the proposed project and project-related offsite improvements.

TABLE 5
MAXIMUM DAILY LOCALIZED CONSTRUCTION EMISSIONS[a]

Year	Emissions (pounds per day)			
	NO_X	CO	PM10	PM2.5
SCE Upgrades/Interconnection[b] - Construction Phases				
Civil Construction (2024)	3.3	4.8	<1	<1
Electrical Construction 1 (2024)	2.1	8.0	<1	<1
Electrical Construction 2 (2024)	4.5	14.1	<1	<1
Electrical Construction 2 (2025)	4.5	14.4	<1	<1
Electrical Construction 3 (2025)	2.8	8.9	<1	<1
FO Cable Construction 1 (2025)	<1	<1	<1	<1
FO Cable Construction 2 (2025)	1.6	4.1	<1	<1
Project Maximum Daily Emissions	**4.5**	**14.4**	**<1**	**<1**
SCAQMD LST Significance Thresholds	*756*	*2,613*	*58*	*18*
Exceeds Thresholds	*No*	*No*	*No*	*No*
BESS[b] – Construction Phase				
Site Preparation (2025)	3.9	22.2	<1	<1
Collector Substation Site Preparation (2025)	1.6	17.5	13.2	6.8
BESS Grading (2025)	5.7	24.9	1.2	<1
Collector Substation Grading (2025)	3.0	19.5	13.2	6.8
Collector and Battery Installation (2025)	15.9	57.0	<1	<1
Gen-Tie Duct Bank and Vault Installation (2025)	6.8	20.4	<1	<1
Gen-Tie Jack-and-Bore (2025)	2.8	10.2	<1	<1
Decommissioning (2026)	4.9	30.8	<1	<1
Gen-Tie Road Resurface and Clean Up (2025)	2.2	7.0	<1	<1
Gen-Tie Road Resurface and Clean Up (2026)	2.2	7.0	<1	<1
Gen-Tie Trenching (2025)	6.0	11.2	<1	<1
Overlapping Phases - BESS[b]				
Site Preparation & Collector Substation Site Preparation & BESS Grading & Collector Substation Grading	14.2	84.4	28.1	13.1
Collector and Battery Installation & Gen-Tie Trenching & Gen-Tie Duct Bank Vault Installation	28.7	88.6	<1	<1
Collector and Battery Installation & Gen-Tie Jack-and-Bore	18.7	67.2	<1	<1
Project Maximum Daily Emissions	***28.7***	***88.6***	***28.1***	***13.9***
SCAQMD LST Significance Thresholds	*756*	*2,613*	*58*	*18*
Exceeds Thresholds	*No*	*No*	*No*	*No*

NOTE:

a. Totals may not add up exactly due to rounding in the modeling calculations. Refer to **Appendix A** of this IS/MND for details.

b. Construction associated with the SCE is located approximately 350 feet from the nearest sensitive receptors. Construction associated with the BESS is located approximately 2,500 feet from the nearest sensitive receptors. The localized analysis conservatively assumes all construction is located within 350 feet from the nearest sensitive receptors.

SOURCE: ESA 2023

TABLE 6
MAXIMUM DAILY LOCALIZED OPERATIONAL EMISSIONS[a]

Operational Activity	NO_x	CO	PM10	PM2.5
Area (Consumer Products, Landscaping)	0.1	13.2	0.0	0.0
Energy (Natural Gas)	2.1	1.7	0.2	0.2
Stationary Equipment (Emergency Generator)	1.2	1.1	0.1	0.1
Project Maximum Daily Emissions	**2.2**	**14.9**	**0.2**	**0.2**
SCAQMD LST Significance Thresholds	126	2,613	14	5
Exceeds Thresholds	*No*	*No*	*No*	*No*

NOTE:

a. Totals may not add up exactly due to rounding in the modeling calculations. Refer to **Appendix A** of this IS/MND for details.

b. Operations Construction associated with the proposed project would occur at the project site and project-related offsite improvements and are located approximately 2,500 feet from the nearest sensitive receptors. The localized analysis conservatively assumes operations would be within 350 feet from the nearest sensitive receptors.

SOURCE: ESA 2023

CO "Hot Spot" Analysis

A CO hotspot is an area of localized CO pollution that is caused by severe vehicle congestion on major roadways, typically near intersections. While construction-related traffic on the local roadways would occur during construction, the net increase of construction worker vehicle trips to the existing daily traffic volumes on the local roadways would be relatively small and would not result in CO hotspots. Additionally, the construction-related vehicle trips would be short-term, and cease once construction activities are completed. As previously mentioned, the proposed project and project-related offsite improvements would be unoccupied and monitored remotely. Minimal periodic visits would be conducted for on-site equipment inspections, monitoring and testing. Therefore, the proposed project and project-related offsite improvements would not cause or contribute to the formation of CO hotspots based on the AQMP's 2003 study, which estimates 100,000 vehicles per day could cause the formation of a CO hotspot (SCAQMD 2003a). Therefore, impacts would be less than significant.

Toxic Air Contaminants

Concentrations of toxic air contaminants (TACs), or in federal parlance, hazardous air pollutants (HAPs), are also used as indicators of ambient air quality conditions. A TAC is defined as an air pollutant that may cause or contribute to an increase in mortality or in serious illness, or that may pose a hazard to human health. TACs are usually present in minute quantities in the ambient air; however, their high toxicity or health risk may pose a threat to public health even at low concentrations.

Intermittent construction activities associated with the proposed project and project-related offsite improvements would result in short-term emissions of diesel particulate matter, which the State has identified as a TAC. During construction, the exhaust of off-road heavy-duty diesel equipment would emit diesel particulate matter (DPM) during general construction activities, such as excavation, materials transport and handling, and building construction. During operational activities DPM would be emitted by the diesel

trucks traveling to, on, and from the project site for equipment inspections, monitoring and testing. However, the number of trips would be minimal. In addition, the proposed project would include an emergency generator which would be fueled with natural gas, which is not a major TAC source.

Diesel particulate matter poses a carcinogenic health risk that is generally measured using an exposure period of 30 years for sensitive residential receptors, according to the California Environmental Protection Agency, Office of Environmental Health Hazard Assessment (OEHHA) Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments (OEHHA Guidance), which was updated in 2015 with new exposure parameters including age sensitivity factors (OEHHA 2015). Sensitive receptors include residential uses located approximately 350 feet east of the project site.

Construction

Temporary TAC emissions associated with DPM emissions from heavy construction equipment would occur during construction activities. According to OEHHA and the SCAQMD's Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis, (SCAQMD 2003b) health effects from TACs are described in terms of individual cancer risk based on a lifetime (i.e., 70-year) resident exposure duration. Given the temporary and short-term construction schedule (approximately 18 months), the proposed project and project-related offsite improvements would not result in a long-term (i.e., lifetime or 70-year) exposure as a result of construction activities.

The proposed project and project-related offsite improvements would be consistent with the applicable 2022 AQMP requirements for control strategies intended to reduce emissions from construction equipment and activities. The proposed project and project-related offsite improvements would comply with regulatory control measures including the CARB Air Toxics Control Measure (ATCM) that limits diesel powered equipment and vehicle idling to no more than 5 minutes at a location, and the CARB In-Use Off-Road Diesel Vehicle Regulation that requires fleets to retire, replace, or repower of older, dirtier engines with newer emission-controlled models; compliance with these would minimize emissions of TACs during construction. SCAQMD recommends that construction health risk assessments be conducted for substantial sources of DPM emissions (e.g., earth-moving construction activities) in proximity to sensitive receptors and has provided guidance for analyzing mobile source diesel emissions. Although sensitive receptors, including residential uses, are located to the east of the project site, localized DPM emissions (strongly correlated with PM2.5 emissions) are less than significant (as shown in Table 5, above). Although the localized analysis does not directly measure health risk impacts, it does provide data that can be used to evaluate the potential to cause health risk impacts. The low level of PM2.5 emissions coupled with the relatively short-term duration of construction activity anticipated at 18 months resulted in an overall low level of DPM concentrations in the project site and project-related offsite improvements. Furthermore, compliance with the aforementioned CARB ATCM anti-idling measure further minimizes DPM emissions in the project site and project-related

offsite improvements. Thus, although there are sensitive receptors located within proximity to the project site and project-related offsite improvements, compliance with regulatory control measures and the limited duration of construction activities would minimize exposures.

Operations

SCAQMD recommends that health risk assessments be conducted for substantial sources of operational DPM emissions (e.g., truck stops and warehouse distribution facilities that generate more than 100 trucks per day or more than 40 trucks with operating transport refrigeration units) and has provided guidance for analyzing mobile source diesel emissions (SCAQMD 2003b). During operational activities DPM would be emitted by the diesel trucks traveling to, on, and from the site for periodic equipment inspections, monitoring and testing. However, the land uses that would be developed under the proposed project and project-related offsite improvements are not considered a substantial source of operational DPM, as described by the SCAQMD. Therefore, the proposed project and project-related offsite improvements operations associated with the 200-megawatt BESS would generate only minor amounts of diesel emissions from mobile sources, such as delivery/box trucks and occasional maintenance activities that would not exceed 100 trucks per day or more than 40 trucks with operating transport refrigeration units. Furthermore, proposed project and project-related offsite improvements trucks would be required to comply with the applicable provisions of the CARB 13 California Code of Regulations, Section 2025 (Truck and Bus regulation) to minimize and reduce PM and NO_X emissions from existing diesel trucks. Therefore, proposed project and project-related offsite improvements operations would not be considered a substantial source of diesel particulates. Furthermore, typical sources of hazardous TACs include industrial manufacturing processes and automotive repair facilities. The proposed project and project-related offsite improvements would not include any of these potential sources, although minimal emissions may result from the use of consumer products (e.g., aerosol sprays). Project operations would only result in minimal emissions of toxic air contaminants from the use of architectural coatings and other products. The proposed project's and project-related offsite improvement's land uses would not include installation of industrial-sized equipment (i.e., paint booths) or require extensive use of commercial or household cleaning products. In addition, as previously stated, the emergency generator would not be fueled with a TAC source such as diesel fuel. Based on this, the proposed project and project-related offsite improvements are not expected to release substantial amounts of TACs.

Therefore, based on the limited activity of TAC sources and TAC concentrations at off-site sensitive receptors relative to existing conditions, the proposed project and project-related offsite improvements would not warrant the need for a health risk assessment associated with on-site activities, and potential TAC impacts would be less than significant.

d) Potential sources that may emit odors during construction activities include construction equipment exhaust and the use of architectural coatings and solvents. According to the SCAQMD CEQA Air Quality Handbook, construction equipment is not a typical source of odors. SCAQMD Rule 1113 limits the amount of VOCs from architectural coatings and solvents. Further, construction odor emissions would be temporary, short-term, and intermittent in nature and would cease upon completion of construction. Through adherence with mandatory compliance with SCAQMD Rules, no construction activities or materials would create objectionable odors. The nearest sensitive receptors are single-family residences located approximately 350 feet to the east of the project site. The proposed uses of the proposed project and project-related offsite improvements would not typically generate nuisance odors at nearby sensitive receptors.

According to the SCAQMD CEQA Air Quality Handbook, land uses associated with odor complaints typically include agricultural uses, wastewater treatment plants, food processing plants, chemical plants, composting operations, refineries, landfills, dairies, and fiberglass molding facilities. The proposed project and project-related offsite improvements do not include any of the land uses associated with odor complaints.

Furthermore, as discussed in Thresholds b and c, above, construction and operational emissions would not exceed the SCAQMD regional significance thresholds for attainment, maintenance, or unclassifiable criteria air pollutants (i.e., CO and SO_2).

Therefore, impacts related to other emissions, including those that would lead to odors adversely affecting a substantial number of people, would be less than significant.

IV. Biological Resources

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

This section is based on the Avocet Energy Storage Project Biological Constraints Analysis Memorandum, prepared by Dudek, dated December 9, 2022 (refer to **Appendix B** of this IS/MND) and a Biological Resources Technical Memorandum, prepared by ESA, dated November 14, 2023 (refer to **Appendix C** of this IS/MND).

Discussion

a) The project site is currently developed as an aggregate recycling center within a highly industrialized area. The proposed gen-tie line originates at the project site and travels partially through an urbanized area within the City of Carson and City of Los Angeles and partially through an open space area to the SCE Hinson Substation located within the City of Long Beach. As stated in the Biological Constraints Analysis Memorandum (Dudek 2022) and Biological Resources Technical Memorandum (ESA 2023), database reviews showed that the project site and project-related offsite improvements are not overlain within U.S. Fish and Wildlife Service (USFWS)-designated Critical Habitat for any special-status plant or wildlife species (USFWS 2023). Additionally, the California Natural Diversity Data Base (CNDDB) and California Native Plant Society (CNPS) Rare Plant Inventory identified 92 special-status species being recorded within the Long Beach USGS 7.5-minute quadrangle and seven surrounding quadrangles including Inglewood, Los Alamitos, San Pedro, Seal Beach, South Gate, Torrance, and Whittier (CDFW 2022; CDFW 2023a; CNPS 2022; CNPS 2023). While special-status species could occur in the general area, the entirety of the project site and project-related offsite improvements

consists of developed land and partial open space that does not provide suitable habitat for special-status plant or wildlife species.

Generally, limited suitable avian nesting habitat is present within the project site and along the proposed gen-tie route due to the dominance of developed and disturbed areas. However, many avian species are known to nest and forage within ornamental shrubs and trees planted as part of existing landscaping and man-made structures and buildings. The existing landscaping and man-made structures provide suitable nesting habitat for several common and migratory bird species protected under the Migratory Bird Treaty Act (MBTA) and California Fish and Game Code Sections 3503, 3503.5, and 3513. Therefore, construction of the proposed project and project-related offsite improvements may affect nesting birds, as a very limited amount of suitable habitat occurs for common and migratory bird species within the project site and project-related offsite improvements. Mitigation Measures would be required prior to or during construction. Implementation of Mitigation Measure BIO-1 would reduce this potentially significant impact to nesting birds during construction to less than significant.

Mitigation Measure BIO-1: Nesting Birds/Raptors. If work activities occur within the avian nesting season (generally defined as January 15 through September 15), a qualified biologist should conduct a nesting bird and raptor survey within 30 days of the anticipated start date, and no less than 3 days prior to ground disturbance, to identify any active nests within 500 feet of suitable nesting habitat. If an active nest is found, the nest should be avoided, and a suitable buffer zone delineated in the field where no impacts would occur until the chicks have fledged the nest as determined by a qualified biologist. Construction avoidance buffers are generally 300 feet for non-listed passerines and 500 feet for listed avian species and raptors; however, avoidance buffers may be reduced for non-listed species at the discretion of the biologist, depending on the location of the nest and species tolerance to human presence and construction-related noises and vibrations.

b) The project site, project-related offsite improvements, and surrounding area are located partially within an urbanized setting and partially within an open space area. No wetlands or drainages are present within the project site or project-related offsite improvements. The proposed gen-tie route crosses over the Dominguez Channel, a riverine feature classified as R1UBVx, which is categorized as a permanently flooded, tidally influenced riverine deepwater habitat. The Dominguez Channel supports aquatic habitat that is regulated by the California Department of Fish and Wildlife (CDFW), Regional Water Quality Control Board (RWQCB), and United States Army Corps of Engineers (USACE). No direct impacts are planned to occur within the Dominguez Channel resulting from proposed project and project-related offsite improvements activities since installation of poles for the gen-tie line would occur outside of the channel. Additionally, no sensitive natural communities occur within the project site or project-related offsite improvements. While no direct impacts to riparian or sensitive natural communities are proposed, construction would occur adjacent to the Dominguez Channel which has the potential to result in runoff into the channel. Additionally, installation of the gen-tie line over the Dominguez Channel requires Section 10 of the Rivers and Harbors Act (RHA) (33 U.S.C. § 403) authorization from the USACE for work or structures in or affecting

navigable waters of the U.S. (USACE 1981). Therefore, implementation of Mitigation Measure BIO-2 would reduce potential indirect impacts to the Dominguez Channel during construction to less than significant.

Mitigation Measure BIO-2: Aquatic Resources. The following are recommended to reduce aquatic resource impacts as a result of project activities:

- Prior to installation of the overhead transmission line over Navigable Waters (Dominguez Channel), consultation with USACE is recommended to determine whether a Section 10 permit will be necessary.
- Erosion control measures (i.e. silt fencing, straw wattles, etc.) should be implemented adjacent to the Dominguez Channel when work is occurring adjacent to the Dominguez Channel to prevent sediment/contaminants from continuing offsite into the channel.
- Re-fueling of equipment should be conducted at least 50 feet from the Dominguez Channel.
- Drip pans should be placed underneath all mechanical machinery that will be staged adjacent to the Dominguez Channel.

c) No wetland features are identified by the National Wetlands Inventory (NWI) as occurring within or surrounding the project site and project-related offsite improvements (USFWS 2023). Additionally, no wetland features were identified during the site visits. Therefore, no impacts to wetlands would occur resulting from project activities.

d) The project site and project-related offsite improvements are located partially within a highly urbanized and partially within an open space area. No conservation lands or wildlife corridors are identified as occurring nearby. Therefore, no impact would occur to wildlife movement as a result of the proposed project, project-related offsite improvements, or associated construction. No known or expected native wildlife nursery sites occur within the vicinity of the project site or project-related offsite improvements, and no such resources would be affected by the proposed project, project-related offsite improvements, or associated construction. Therefore, no impact that would impede the use of native wildlife nursery sites would occur.

The MBTA is the domestic law that affirms, or implements, a commitment by the U.S. to four international conventions (with Canada, Mexico, Japan, and Russia) for the protection of a shared migratory bird resource. The MBTA makes it unlawful at any time, by any means, or in any manner to pursue, hunt, take, capture, or kill migratory birds. Under California Fish and Game Code Sections 3503, 3503.5, 3513, and 3800, a project operator is not allowed to conduct activities that would result in the taking, possessing, or destroying of any birds of prey; the taking or possessing of any migratory nongame bird as designated in the MBTA; the taking, possessing, or needlessly destroying of the nest or eggs of any raptors or nongame birds protected by the MBTA; or the taking of any nongame bird. In addition, the proposed project and project-related offsite improvements would comply with the MBTA and the California Fish and Game Code for the protection of avian nests and their young by implementing Mitigation Measure BIO-1.

e) The cities of Carson and Long Beach have ordinances requiring a permit for tree or shrub removal within public parks, grounds, streets, and other public areas. In addition, oak trees (*Quercus* sp.) are protected under the County of Los Angeles Oak Tree Ordinance, Section 22.56.2050 – 22.56.2260 of the Los Angeles County Municipal Code. No protected oak trees occur within the study area and no trees are planned for removal resulting from project activities. Therefore, no impacts related to conflicts with any local policies any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance, would occur from project activities.

f) The project site and project-related offsite improvements are located partially within an urbanized area of the City of Carson and City of Los Angeles and partially within an open space area within the City of Long Beach. The project site and project-related offsite improvements are not located within an area designated within a habitat conservation plan, natural community conservation plan, or other approved local, regional, or State habitat conservation plan (CDFW 2023b). Therefore, the proposed project, project-related offsite improvements, and associated construction would not conflict with provisions of an adopted natural community conservation plan or other approved local, regional, or state habitat conservation plan and no impact would occur.

V. Cultural Resources

Issues (and Supporting Information Sources)	*Potentially Significant Impact*	*Less than Significant with Mitigation Incorporated*	*Less-than-Significant Impact*	*No Impact*
CULTURAL RESOURCES— Would the project:				
a) Cause a substantial adverse change in the significance of a historical resource pursuant to §15064.5?	☐	☒	☐	☐
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?	☐	☒	☐	☐
c) Disturb any human remains, including those interred outside of formal cemeteries?	☐	☒	☐	☐

This section is based on the Cultural Resources Assessment Report, located in **Appendix D** of this IS. The scope of work for the cultural resources assessment included a cultural resources records search through the South Central Coastal Information Center (SCCIC), a Sacred Lands File (SLF) search through the Native American Heritage Commission (NAHC), a pedestrian survey of the project site, land use history research, a subsurface archaeological testing program (i.e., Extended Phase I Assessment), and other archival research. ESA also conducted a pedestrian survey and analysis for potential impacts to historic built environment resources. .

Discussion

a) **Cause a substantial adverse change in the significance of a historical resource pursuant to §15064.5?**

Less than Significant Impact. Results of the SCCIC record search indicated that nine cultural resources have been previously recorded within a 0.50-mile radius of the project site. These include one protohistoric archaeological site/Native American burial site (CA-LAN-2682); three historic period archaeological sites (CA-LAN-2942H, -3063H, and -3064H); one California Registered Historical Landmark (P-19-187085); and four historic architectural resources (P-19-180783 Pacific Electric Watson Station was located 0.30 miles southwest of the project site, P-186868 (Kinder Morgan Tank Storage Terminals located 0.25 miles south of the project site, and P-190986, and P-192309, transmission towers located 120 ft east of the proposed gen-tie line). None of these resources have been recorded within the project site; however, four of them (two archaeological and two architectural) (CA-LAN-2682, P-19-187085, -190986, and -192309) have been recorded within close proximity to the project site.

Survey and Impacts Analysis Results

The proposed project would connect the BESS site to the SCE Hinson Substation via a transmission line and conduct required upgrades to the SCE Hinson Substation.

No historic resources were identified within the project site including the SCE Hinson Substation and the associated resource, a transmission line supported by seventeen wood poles of which six are historic dating to 1962 and one dating to 1971, located to the west of the SCE Hinson Substation enclosure. The SCE Hinson Substation was deemed ineligible for listing on the

National and California Register (SCE, 2024) and the associated transmission line doesn't appear to be significant to the historic era electrical management infrastructure of the Southern California Edison Company. Hence, the transmission line and the supporting wood poles are not eligible as significant historic resources. Therefore, the proposed project that would connect the BESS site to the SCE Hinson Substation via a transmission line and conduct required upgrades to the SCE Hinson Substation would not result in any direct impacts.

As stated earlier, and elaborated in the technical report, research identified two adjacent historic architectural resources (P-19-192309) and (P-19-190986) located within 0.50-mile radius of the proposed gen-tie line route and one adjacent historic architectural resource (P-19-186868) located within 0.50-mile radius of the project site. P-19-192309, the Long Beach-Laguna Bell 60kv and 220kV Transmission lines and P-19-190986, the SCE Santa Fe Tower 2/Hinson Harbor Gen M3-T2 Transmission lines are located approximately 120 feet east of the proposed gen-tie line route. Both are transmission lines constructed in approximately 1927 (P-19-190986) and approximately 1927-1928 (P-19-1902309), several decades before the construction of the SCE Hinson Substation. The construction of the proposed gen-tie line connecting the BESS to the SCE Hinson Substation would not materially or visually impair the integrity and the historic significance of the Long Beach-Laguna Bell 60kv and 220kV Transmission lines (P-19-192309) or SCE Santa Fe Tower 2/Hinson Harbor Gen M3-T2 transmission lines (P-19-190986). The areas around these resources are already developed with several transmission towers and lines and a complete transmission substation to the north. The addition of the proposed gen-tie line would not substantially change the character of the setting or cause any adverse visual or physical impacts to historical resources.

The historic architectural resource, P-19-186868, adjacent to the project site is the Kinder Morgan Tank Storage Terminals LLC, a 100-acre storage tank facility site for oil products constructed in the 1920s. It is located 0.25 miles to the south of the project site. The project site will be developed as an energy storage facility with storage enclosures, a collector substation, invertors, transformers, and telecommunication facilities. The historic resource, a storage tank facility, is developed within an industrial setting with several similar storage facilities, electrical transmission lines, and rail yard. Moreover, there is no direct view of P-19-186868, from the project site, due to industrial development and foliage. Therefore, the proposed project would have a less than significant impact on the architectural resource.

b) **Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?**

Less than Significant Impact with Mitigation Incorporated. The SLF search yielded negative results and the SCCIC results indicated that no previously recorded archaeological resources were located within the project site. No archaeological resources were identified as a result of the pedestrian survey, but ground surface visibility was poor in a majority of the areas within the project site that likely obstructed the identification of surficial archaeological resources. According to records obtained from the SCCIC, resource CA-LAN-2682 (Native American burial site) was discovered in the vicinity of the project site during utility improvements in 1998 and is described as consisting of shell midden soils and over 500 shell beads, projectile points, bone

awls, glass trade beads, steatite pipe fragments and other steatite objects, as well as multiple human burials.

ESA implemented an archaeological test excavation program to determine whether resource CA-LAN-2682 extended onto the project site by excavating seven mechanical trenches and 16 Shovel Test Pits or Hand Auger Bores in the western portion of the project site. One possible fused shale flake artifact and several unmodified marine and estuarine shellfish specimens were recovered from many excavation units from the test excavation effort. However, these materials were found in heavily disturbed contexts intermixed with modern refuse items (e.g., red brick fragments, bottle glass fragments, concrete chunks, and rusted nails). These materials were found in contexts that had been redeposited as fill for the project site; therefore, it is not possible to definitively classify them as prehistoric artifacts or ecofacts that may be associated with resource CA-LAN-2682 or another prehistoric archaeological resource. Therefore, no archaeological resources were recovered during the test excavation effort.

Despite the negative results of the pedestrian survey and subsurface test excavations, the proposed project and project-related offsite improvements have a moderate potential to encounter buried prehistoric archaeological resources, including human remains, during construction given the identification of CA-LAN-2682 and the Native American village of *Suangna* in the vicinity of the project site, the presence of Holocene-age alluvium that underlies the project site that has been deposited within the past 11,700 years, the project site's location in close proximity to water sources, and since the project site retains a low degree of slope. Based on these findings, Mitigation Measures CUL-1 through CUL-3 are prescribed below. With implementation of these mitigation measures, impacts to archaeological resources would be less than significant under CEQA.

Mitigation Measure CUL-1: Prior to the issuance of a demolition permit, the Applicant shall retain an archaeologist who meets the Secretary of the Interior's Professional Qualifications Standards for Archaeology (Qualified Archaeologist) to oversee an archaeological monitor who shall be present during initial project construction work such as demolition, clearing/grubbing, grading, trenching, or related moving of soils (collectively, ground disturbing activities) within the project site and project-related offsite improvements ; provided, however, that ground disturbing activities shall not include any moving of soils after they have been initially disturbed or displaced by project-related construction. The Qualified Archaeologist shall determine the frequency of monitoring based on the rate of excavation and grading activities, proximity to known archaeological resources, the materials being excavated (younger alluvium vs. older alluvium), and the depth of excavation, and if found, the abundance and type of archaeological resources encountered. The frequency of monitoring can be reduced to part-time inspections or ceased entirely if determined appropriate by the Qualified Archaeologist.

Prior to commencement of excavation activities, an Archaeological and Cultural Resources Sensitivity Training shall be given for construction personnel. The training session shall be carried out by the Qualified Archaeologist and shall focus on how to identify archaeological resources that may be encountered during earthmoving activities and the procedures to be followed in such an event.

Mitigation Measure CUL-2: In the event that historic or prehistoric archaeological resources (e.g., bottles, foundations, refuse dumps, shell midden, lithic/stone tool materials, etc.) are unearthed, ground-disturbing activities shall be halted or diverted away from the vicinity of the find so that the find can be evaluated. After consulting with the Applicant, the Qualified Archeologist shall establish an appropriate buffer in accordance with industry standards, reasonable assumptions regarding the potential for additional discoveries in the vicinity, and safety considerations for those making an evaluation and potential recovery of the discovery. This buffer area shall be established around the ground where construction activities shall not be allowed to continue. Work shall be allowed to continue outside of the buffer area.

All archaeological resources unearthed by project construction activities shall be evaluated by the Qualified Archaeologist. If the Qualified Archaeologist determines the find to constitute a "historical resource" pursuant to CEQA Guidelines Section 15064.5(a) or a "unique archaeological resource" pursuant to Public Resources Code Section 21083.2(g), the Qualified Archaeologist shall coordinate with the Applicant and the City of Carson (City) to develop a reasonable and feasible treatment plan that would serve to reduce impacts to the resources. The treatment plan established for the resources shall be in accordance with CEQA Guidelines Section 15064.5(f) for historical resources and Public Resources Code Sections 21083.2(b) for unique archaeological resources. The treatment plan shall include measures regarding the curation of the recovered resources that may include curation at a public, non-profit institution with a research interest in the materials, such as the Natural History Museum of Los Angeles County or the Fowler Museum, if such an institution agrees to accept the material. If no institution accepts the resources, they may be donated to a local school or historical society in the area (such as a local historical society or school) for educational purposes.

Mitigation Measure CUL-3: The Qualified Archaeologist shall prepare a final report and appropriate California Department of Parks and Recreation Site Forms at the conclusion of archaeological monitoring. The report shall include a description of resources unearthed, if any, treatment of the resources, results of the artifact processing, analysis, and research, and evaluation of the resources with respect to the California Register of Historical Resources and CEQA. The report and the Site Forms shall be submitted by the Applicant to the City, the South Central Coastal Information Center, and representatives of other appropriate or concerned agencies to signify the satisfactory completion of the proposed project and project-related offsite improvements and required mitigation measures.

c) **Disturb any human remains, including those interred outside of dedicated cemeteries?**

Less than Significant Impact with Mitigation Incorporated. As discussed above, although the pedestrian survey and subsurface test excavations did not identify human remains, the proposed project and project-related offsite improvements has a moderate potential to encounter buried prehistoric archaeological resources, including human remains, during construction given the reasons provided above. If human remains are encountered during construction, disturbance of those remains could result in a potentially significant impact. With implementation of Mitigation Measure CUL-4, which requires following state laws in the event of a human remains discovery, impacts to human remains would be less than significant.

Mitigation Measure CUL-4: If human remains are encountered unexpectedly during implementation of the proposed project and project-related offsite improvements, State Health and Safety Code Section 7050.5 requires that no further disturbance shall occur until the County

Coroner has made the necessary findings as to origin and disposition pursuant to PRC Section 5097.98. If the remains are determined to be of Native American descent, the coroner has 24 hours to notify the Native American Heritage Commission (NAHC). The NAHC shall then identify the person(s) thought to be the Most Likely Descendent (MLD). The MLD may, with the permission of the landowner, or his or her authorized representative, inspect the site of the discovery of the Native American remains and may recommend to the owner or the person responsible for the excavation work means for treating or disposing, with appropriate dignity, the human remains and any associated grave goods. The MLD shall complete their inspection and make their recommendation within 48 hours of being granted access by the landowner to inspect the discovery. The recommendation may include the scientific removal and nondestructive analysis of human remains and items associated with Native American burials. Upon the discovery of the Native American remains, the landowner shall ensure that the immediate vicinity, according to generally accepted cultural or archaeological standards or practices, where the Native American human remains are located, is not damaged or disturbed by further development activity until the landowner has discussed and conferred, as prescribed in this mitigation measure, with the MLD regarding their recommendations, if applicable, taking into account the possibility of multiple human remains. The landowner shall discuss and confer with the descendants all reasonable options regarding the descendants' preferences for treatment.

If the NAHC is unable to identify a MLD, or the MLD identified fails to make a recommendation, or the landowner rejects the recommendation of the MLD and the mediation provided for in subdivision (k) of Section 5097.94, if invoked, fails to provide measures acceptable to the landowner, the landowner or his or her authorized representative shall inter the human remains and items associated with Native American human remains with appropriate dignity on the facility property in a location not subject to further and future subsurface disturbance.

Mitigation Measures TCR-1, TCR-2, and TCR-3 shall also be implemented and shall apply to address the potential discovery of tribal cultural resources during construction.

VI. Energy

Issues (and Supporting Information Sources)	*Potentially Significant Impact*	*Less than Significant with Mitigation Incorporated*	*Less-than-Significant Impact*	*No Impact*
ENERGY— Would the project:				
a) Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?	☐	☐	☒	☐
b) Conflict with or obstruct a State or local plan for renewable energy or energy efficiency?	☐	☐	☒	☐

Discussion

a) The proposed project and project-related offsite improvements would consume energy during construction activities primarily from on- and off-road vehicle fuel consumption in the form of diesel and gasoline and electricity from water conveyance for dust control. Project operation would consume energy from energy use from enclosure HVAC systems and lighting, and from mobile sources. The analysis below includes the proposed project's energy requirements and energy use efficiencies by energy type for each stage of the proposed project and project-related offsite improvements (construction and operations).

Construction

Construction of the proposed project and project-related offsite improvements would result in energy demand primarily from off-road equipment and on-road vehicle fuel consumption (diesel and gasoline) and secondarily from electricity for conveying water used for dust suppression and for a temporary on-site construction office/trailer. The analysis below includes the proposed project's energy requirements and energy use efficiencies by energy type for each stage of the proposed project and project-related offsite improvements.

The estimated fuel usage for off-road equipment is based on the number and type of equipment that would be used during construction activities, hour usage estimates, the total duration of construction activities, and hourly equipment fuel consumption factors from the California Air Resources Board (CARB) OFFROAD model, which was used in the proposed project's air quality analysis. On-road vehicles would include trucks to haul material to and from the project site and project-related offsite improvements, vendor trucks to deliver supplies necessary for project construction, water trucks for dust control, and fuel used for employee commute trips. The estimated fuel usage for on-road vehicles is based on the number of trucks and employee commute trips that would occur during construction activities and per mile fuel consumption factors from the CARB on-road vehicle emissions factor (EMFAC) model, which was used in the proposed project's air quality analysis. Electricity used for a portable construction office was calculated using energy intensity factors from CalEEMod and electricity from water conveyance for dust control was calculated using assumptions for gallons used per acre per day and

CalEEMod water conveyance intensity factors applied to calculate total construction electricity consumption. Construction activities typically do not involve the consumption of natural gas. **Table 7**, **Summary of Energy Consumption During Project Construction**, summarizes the total and annual fuel and electricity consumption from construction activities for the proposed project and project-related offsite improvements.

TABLE 7
SUMMARY OF ENERGY CONSUMPTION DURING PROJECT CONSTRUCTION

Fuel Type		Quantity
Gasoline		**gallons**
On-Road Construction (Workers)		29,740
	Total Gasoline (13 months)	
Diesel		**gallons**
On-Road Construction Equipment		22,817
Off-Road Construction Equipment		148,163
	Total Diesel (13 months)	***170,980***
Electricity		**MWh**
Construction Trailer & Water Conveyance for Dust Control		27
	Total Electricity (13 months)	29
Annualized Gasoline Use (gal)		**17,459**
Annualized Diesel Use (gal)		**100,576**
Annualized Electricity (MWh)		**27**

NOTES:
gal = gallons; MWh = megawatt-hours
SOURCE: ESA 2023

As shown in Table 7**,** annual average construction electricity usage would be approximately 27 megawatt-hours (MWh). This amount is within the supply and infrastructure capabilities of Southern California Edison (SCE), the electricity provider for the project site and project-related offsite improvements, which had a net energy load of 84,218 gigawatt-hours (GWh) in 2022 (SCE 2022).[3] The electricity demand at any given time would vary throughout the construction period based on the construction activities being performed and would cease upon completion of construction. Electricity use from construction would be short-term, limited to working hours, used for necessary construction-related activities, and represent a small fraction of the proposed project's and project-related offsite improvement's annual operational electricity. Construction electricity usage of the proposed project and project-related offsite improvements would consume approximately 0.00000003 percent of SCE's total load and would not cause additional strain on SCE's electricity load. When not in use, electric equipment would be powered off so as to avoid unnecessary energy consumption. Furthermore, the electricity used for off-road light construction equipment would have the co-benefit of reducing construction-related air pollutant and GHG emissions from more traditional construction-

[3] The most recent year that SCE data was available.

related energy in the form of diesel fuel. Therefore, impacts from construction electrical demand would be less than significant and would not result in the wasteful, inefficient, and unnecessary consumption of energy.

Operations

During operation of the proposed project and project-related offsite improvements, energy would be consumed for, including, but not limited to HVAC equipment, security lighting, and the use of electronics used for remote monitoring. The electricity required to power the proposed project and project-related offsite improvements would be obtained internally and each individual enclosure would be directly connected to the energy storage system's discharge and would not require additional electrical input. However, this analysis conservatively assumes the proposed project and project-related offsite improvements would be connected to the local utility provider. Since the proposed project and project-related offsite improvements would be unoccupied and monitored remotely and no new employees were assumed, minimal emissions from mobile emissions were assumed for periodic inspections, monitoring, maintenance, and testing purposes. Therefore, no energy consumption during project operations related to vehicle trips were assumed. **Table 8, Project Operational Energy Usage**, summarizes the operational energy consumption of the proposed project and project-related offsite improvements.

TABLE 8
PROJECT OPERATIONAL ENERGY USAGE

Energy Type[a]	Annual Quantity[b]
Electricity	
Proposed Project and project-related offsite improvements:	
Container/Enclosure Energy	17,111 MWh
Water Conveyance	479 MWh
Total Electricity	***17,590 MWh***
Natural Gas	
Proposed Project and project-related offsite improvements:	
Emergency Generator	30 million cf
Total Natural Gas	***30 million cf***

NOTES:
MWh = megawatt-hours; million cf = million cubic feet
Detailed calculations are provided in **Appendix A** of this IS/MND.
a. Project electricity and natural gas estimates assume compliance with applicable 2019 Title 24 and CALGreen requirements.
b. Totals may not add up due to rounding of decimals.
SOURCE: ESA 2023

The proposed project and project-related offsite improvements would increase demand for electricity including what is needed to support the HVAC system for the container/enclosures, security lighting, and electronics. As shown in Table 8, the proposed project and project-related offsite improvements would result in an annual consumption of electricity of approximately 17,590 MWh per year, which would represent approximately 0.0176 percent of SCE's total sales of 100,143 GWh in 2026 (SCE 2022).

The proposed project and project-related offsite improvements has been evaluated for consistency with the Energy Efficiency Climate Action Plan (EECAP). According to the EECAP, the City is in the process of implementing strategies to reduce energy consumption across sections, which includes promoting commercial energy retrofits, increasing energy efficiency through water efficiency, and decreasing energy demand through reducing the urban heat island effect (City of Carson 2015). Consistent with this strategy, the proposed project and project-related offsite improvements would install lighting and a ventilation system that conforms to the CALGreen Code and Title 24 Standards. In addition, the proposed project and project-related offsite improvements would include approximately 14,092 square feet of landscaping. These features would be consistent with energy reduction strategies in the City's EECAP. Therefore, with the incorporation of these features, operation of the proposed project and project-related offsite improvements would not result in the wasteful, inefficient, and unnecessary consumption of electricity, and impacts would be less than significant.

The proposed project and project-related offsite improvements would increase the demand for natural gas resources. As shown in Table 8, the estimated operational natural gas demand of the proposed project and project-related offsite improvements is 30 million cubic feet, which represents 0.004 percent of Southern California Gas Company's (SoCalGas's) projected supply of 821,615 million cubic feet in 2026 (California Gas and Electric Utilities 2022). As would be the case with electricity, the proposed project and project-related offsite improvements would comply with the applicable provisions of Title 24, City of Carson's EECAP, and the CALGreen Code in effect at the time of building occupancy to minimize natural gas demand. As such, the proposed project and project-related offsite improvements would minimize energy demand. Therefore, with the incorporation of these features, operation of the proposed project and project-related offsite improvements would not result in the wasteful, inefficient, and unnecessary consumption of natural gas, and impacts would be less than significant.

The proposed project and project-related offsite improvements would be unoccupied and monitored remotely. Minimal periodic visits would be conducted for on-site equipment inspections, monitoring and testing. Therefore, during operation of the proposed project and project-related offsite improvements, minimal amounts of transportation fuels relative to the existing site conditions for gasoline and diesel would be consumed. Therefore, the proposed project and project-related offsite improvements would not increase demand for transportation fuels relative to existing site conditions for gasoline and diesel.

The project site consists of approximately 6.96 acres on one parcel that is currently developed with an aggregate recycling center. The project site is bordered by Alameda Street to the west, industrial uses to the north and south, and the Dominguez Channel to the east. Access to the project site would be provided by an existing driveway on Alameda Street between East Sepulveda Boulevard and East 223rd Street. The project site and project-related offsite improvements are located adjacent to a variety of existing transportation facilities. I-405 provides the primary regional access to the project site; major arterials that would be used for local access to the project site include East Sepulveda Boulevard and East 223rd Street in the east/west direction and Alameda Street in the north/south direction.

The gen-tie line would interconnect the proposed project to the existing SCE Hinson Substation. The proposed gen-tie route would cross three jurisdictions including: the City of Carson, the City of Los Angeles, and the City of Long Beach. The SCE Hinson Substation or point of interconnection is located approximately 0.62 miles to the northeast in the City of Long Beach. The new SCE TSP would be installed adjacent to the existing transmission overhead structures with existing access paths. The SCE Hinson Substation can be accessed from multiple locations, with the access during construction through an existing gate at the UPRR property to the east. For maintenance, access would be from Webster Avenue onto an existing dirt road traveling south along the east side of the SCE Hinson Substation and along the south side of the SCE Hinson Substation to the property on the west side.

No transit routes are located adjacent to the project site and project-related offsite improvements. The nearest transit route is Long Beach Transit Route 8, located approximately 0.8-mile northwest of the project site. The proposed project and project-related offsite improvements would not have any onsite employees but rather monitored remotely.

Based on the above, operation of the proposed project and project-related offsite improvements would not result in the wasteful, inefficient, and unnecessary consumption of transportation fuel, and impacts would be less than significant.

b) The proposed project and project-related offsite improvements would use construction contractors who demonstrate compliance with applicable regulations. Construction equipment would comply with federal, State, and regional requirements where applicable. With respect to truck fleet operators, the USEPA and NHSTA have adopted fuel efficiency standards for medium- and heavy-duty trucks. The Phase 1 heavy-duty truck standards apply to combination tractors, heavy-duty pickup trucks and vans, and vocational vehicles for model years 2014 through 2018 and result in a reduction in fuel consumption from 6 to 23 percent over the 2010 baseline, depending on the vehicle type (USEPA 2011). USEPA and NHTSA also adopted the Phase 2 heavy-duty truck standards, which cover model years 2021 through 2027 and require the phase-in of a 5 to 25 percent reduction in fuel consumption over the 2017 baseline depending on the compliance year and vehicle type (USEPA 2016). The energy modeling for trucks does

not take into account specific fuel reductions from these regulations, since they would apply to fleets as they incorporate newer trucks meeting the regulatory standards; however, these regulations would have an overall beneficial effect on reducing fuel consumption from trucks over time as older trucks are replaced with newer models that meet the standards.

In addition, construction equipment and trucks are required to comply with CARB regulations regarding heavy-duty truck idling limits of 5 minutes at a location and the phase-in of off-road emission standards that result in an increase in energy savings in the form of reduced fuel consumption from more fuel-efficient engines. Although these regulations are intended to reduce criteria pollutant emissions, compliance with the anti-idling and emissions regulations would also result in the efficient use of construction-related energy.

As previously noted, the electricity required to power the proposed project and project-related offsite improvements would be obtained internally and each individual enclosure would be directly connected to the energy storage system's discharge and would not require additional electrical input. However, this analysis conservatively assumes the proposed project and project-related offsite improvements would be connected to the local utility provider. The State and the City have implemented energy policies relevant to the proposed project and project-related offsite improvements. The California Renewables Portfolio Standard (RPS) was established in 2002 and required retail sellers of electricity, including investor-owned utilities and community choice aggregators, to provide at least 20 percent of their supply from renewable sources by 2013. Senate Bill (SB) 350 (Chapter 547, Statues of 2015) is the most recent update to the State's RPS requirements. The RPS requires publicly owned utilities and retail sellers of electricity in California to procure 33 percent of their electricity sales from eligible renewable sources by 2020 and 50 percent by the end of 2030. The proposed project and project-related offsite improvements would comply with the applicable provisions of the Title 24 standards and the CALGreen Code in effect at the time of building permit issuance. As of February 2019, the City receives electricity from Clean Power Alliance (CPA) and is enrolled in their 50 percent renewable electricity option. Customers have the choice to opt for a lower renewable energy mix (36 percent), opt for a higher renewable energy mix (100 percent), or opt out and receive electricity from SCE (CPA 2018). The energy analysis conservatively assumes the proposed project and project-related offsite improvements would remain with SCE as their electricity provider and does not take additional credit for renewable energy beyond the expected SCE renewable energy percentage for year 2024 based on the required renewables by year 2024 under SB 100.[4] Therefore, the electricity provided to the City meets or exceeds RPS requirements.

[4] For the purposes of estimating energy demand, the analysis conservatively assumes the proposed project would not switch electricity providers from SCE to the CPA (i.e., does not take any credit for 36 percent, 50 percent, or 100 percent renewable electricity, depending on the selected CPA plan). Should the proposed project switch electricity providers from SCE to the CPA, the proposed project's electricity-related emissions would be lower than those disclosed in this section.

As discussed above, the proposed project and project-related offsite improvements would comply with the applicable provisions of Title 24 Standards, City of Carson's EECAP, and the CALGreen Code in effect at the time of building occupancy. As such, the proposed project and project-related offsite improvements would minimize energy demand. Further, as discussed in Section III, *Air Quality*, of this IS/MND, the proposed project and project-related offsite improvements would be unoccupied and monitored remotely no new employees. As discussed in Section XVII, *Transportation*, of this IS/MND, the proposed project and project-related offsite improvements would not have a significant impact on transportation in the project vicinity. Additionally, the proposed project and project-related offsite improvements would comply with State and local regulations to reduce energy consumption, the proposed project and project-related offsite improvements would not conflict with or obstruct a State or local plan for renewable energy or energy efficiency and impacts would be less than significant.

VII. Geology and Soils

Issues (and Supporting Information Sources)	*Potentially Significant Impact*	*Less than Significant with Mitigation Incorporated*	*Less-than-Significant Impact*	*No Impact*
GEOLOGY AND SOILS— Would the project:				
a) Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:				
i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? (Refer to Division of Mines and Geology Special Publication 42.)	☐	☐	☒	☐
ii) Strong seismic ground shaking?	☐	☐	☒	☐
iii) Seismic-related ground failure, including liquefaction?	☐	☐	☒	☐
iv) Landslides?	☐	☐	☒	☐
b) Result in substantial soil erosion or the loss of topsoil?	☐	☐	☒	☐
c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse?	☐	☐	☒	☐
d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?	☐	☐	☒	☐
e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?	☐	☐	☐	☒
f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	☐	☒	☐	☐

This section is based on the CEQA Geotechnical Input for Avocet Energy Storage LLC letter, prepared by Globus Engineering Inc. (Globus), dated December 22, 2022 (refer to **Appendix E** of this IS/MND). A Paleontological Resources Assessment was also conducted for the project by ESA in November 2023 (refer to **Appendix F** of this IS/MND).

Discussion

a.i) The project site is located in the seismically active Southern California region; however, it is not within an Alquist-Priolo Zone, and no surface faults are known to be within the project site (Globus 2022). The City's General Plan Regional Fault Map indicates that the project site is not located within any fault zones (City of Carson 2004). In addition, the project-related offsite improvements would not be located within any fault zones (California Geological Survey [CGS] 2023).

Furthermore, the design and construction would be required to conform to the current seismic design provisions of the City's Building Code, which incorporate relevant provisions of the 2019 California Building Code (CBC), along with the building codes of the City of Los Angeles and the City of Long Beach. The 2019 CBC, as amended by the City of Carson's Building Code, incorporates seismic design standards for structural

loads and materials to provide for the latest earthquake safety. With adherence to the CBC, California seismic design requirements would be included in the design of the proposed project and project-related offsite improvements. Operation of the proposed project and project-related offsite improvements would not involve substantial ground disturbance or installation of new features that would expose people or structures to seismic hazards. Therefore, impacts associated with rupture of a known earthquake fault would be less than significant.

a.ii) The entire Southern California region, including the project site and project-related offsite improvements, are susceptible to strong ground shaking from severe earthquakes. The level of ground shaking that would be experienced at the project site and project-related offsite improvements from active or potentially active faults or blind thrust faults in the region would be a function of several factors including earthquake magnitude, type of faulting, rupture propagation path, distance from the epicenter, earthquake depth, duration of shaking, site topography, and site geology. The project's design would be reviewed and approved by City of Carson's Building Department before construction permits are issued to ensure the proposed project is constructed in accordance with the CBC, and City's Building Code, which includes requirements for structures that reduce the potential for exposure of people or structures to seismic risks to the maximum extent possible. The design of the project-related offsite improvements would be reviewed by the building departments of the City of Los Angeles and the City of Long Beach. Therefore, a less-than-significant impact associated with strong seismic ground shaking would occur.

a.iii) Liquefaction is a seismic phenomenon in which loose, saturated, granular soils behave similarly to a fluid when subject to high-intensity ground shaking. Specifically, liquefaction occurs when the shock waves from an earthquake of sufficient magnitude and duration compact and decrease the volume of the soil; if drainage cannot occur, this reduction in soil volume will increase the pressure exerted on the water contained in the soil, forcing it upward to the ground surface. This process can transform stable soil material into a fluid-like state. This fluid-like state can result in horizontal and vertical movements of soils and building foundations from lateral spreading of liquefied materials and post-earthquake settlement of liquefied materials. Liquefaction occurs when three general conditions exist: (1) shallow groundwater; (2) low-density non-cohesive (granular) soils; and (3) high-intensity ground motion.

The subsurface soils at the project site include loose granular soils and weak clayey soils related to recent alluvial deposits. Based on a review of maps published by the State, the historically high groundwater level at the site is expected to be roughly 20 feet bgs (Globus 2022). Based on the Phase 1 prepared for the project site, groundwater has been reported to be present at depths ranging from approximately 10 to 80 feet below ground surface (bgs) (**Appendix G1** of this IS/MND). Based on the Phase 1 prepared for the gen-tie route, a perched groundwater zone was observed at the depth of approximately 30 feet bgs, followed by a deeper groundwater zone at depths of 60 to 100 feet bgs. A review of the State of California Seismic Hazard Zone Map for the Long Beach Quadrangle (CGS

1999) indicates that the proposed upgrades to the existing SCE Hinson Substation within Long Beach's jurisdiction is located in an area designated as having a potential for liquefaction. The project site and project-related offsite improvements are located within an area that has a potential for liquefaction (California Geological Survey [CGS] 2023). During construction of the proposed BESS and main power transformer, excavation would occur up to a maximum depth of 5 feet bgs. The loss of bearing capacity of foundations resulting from liquefaction would be expected to be relatively minor for the proposed project's shallow foundations due to a buffer created by the roughly 20 feet of non-liquefiable soils above the groundwater (**Appendix E** of this IS/MND). During construction of the gen-tie poles for the proposed gen-tie line, excavation would occur up to a maximum depth of 50 feet bgs. The proposed project and project-related offsite improvements would be constructed in accordance with the CBC, and thereby the building codes of the cities of Carson, Los Angeles, and Long Beach, which includes requirements for structures that reduce the potential for exposure of people or structures to seismic risks to the maximum extent possible, including liquefaction. In addition, compliance with the recommendations identified in **Appendix E** of this IS/MND, including design measures such as soil improvement, use of large, combined mat foundations, flexible utility connections, and strategic placement of facilities within the site area would further assist in addressing potential liquefaction impacts. As such, the proposed project and project-related offsite improvements would not expose additional people or structures to potential substantial adverse effects associated with liquefaction. Therefore, a less-than-significant impact associated with liquefaction would occur.

a.iv) Due to the relatively flat topography of the project site, project-related offsite improvements, and surrounding area, the proposed project and project-related offsite improvements would not expose people or structures to potential landslides. In addition, the hazard zone map published by the State for the Long Beach Quadrangle does not show any seismically-induced landslide hazard zone in the project area (Globus 2022). Furthermore, the proposed project and project-related offsite improvements would be constructed in accordance with the CBC, and the building codes of the cities of Carson, Los Angeles, and Long Beach. As such, a less-than-significant impact associated with the potential for landslides would occur.

b) The project site is currently developed with an aggregate recycling center and contains large areas of exposed soil. The proposed gen-tie line originates at the project site and travels partially through an urbanized area within the City of Carson and City of Los Angeles and partially through an open space area to the SCE Hinson Substation located within the City of Long Beach. The slopes along the Dominguez Channel are maintained by Los Angeles County to minimize erosion (Globus 2022). Prior to initial construction mobilization, pre-construction surveys would be performed, and sediment and erosion controls would be installed in accordance with State and City guidelines. As the proposed project would disturb more than 1 acre of soil, the proposed project would be subject to the requirements of the National Pollution Elimination Discharge System (NPDES), which would require preparation of a Stormwater Pollution Prevention Plan (SWPPP) for approval by the Los Angeles Regional Water Quality Control Board prior to construction.

The SWPPP would identify best management practices (BMPs) to be implemented with the proposed project in order to prevent erosion, minimize siltation impacts, and protect water quality. In addition, the construction contractor would be required to incorporate a soil erosion and sedimentation control plan to reduce potential construction impacts. The proposed project would also be subject to CMC Chapter 8, which contains the City's Storm Water Management and Discharge Control Ordinance. This ordinance is the City's tool to ensure the future health, safety, and general welfare of the citizens of the city and the water quality of the receiving waters of the County of Los Angeles and surrounding coastal areas. Due to the gen-tie connection to the existing SCE Hinson Substation, the proposed project would also be subject to Long Beach Municipal Code (LBMC) Chapter 8.96, Stormwater and Runoff Pollution Control, and LAMC Division 70, Grading, Excavation, and Fills, which contain specific requirements for erosion control and drainage devices. During proposed project operation, the project site would be largely developed with the BESS enclosures located on concrete pads, limiting the amount of exposed soils. The proposed project would be required to comply with the NPDES and CMC, LBMC, and LAMC requirements. Therefore, impacts associated with soil erosion or loss of topsoil would be less than significant.

c) The project site and project-related offsite improvements are located partially within an urbanized area characterized by a mix of industrial uses and partially within an open space area. As discussed previously, the project site and project-related offsite improvements are relatively flat and are not located within an area susceptible to landslides.

With regard to liquefaction, while the project site and project-related improvements are located within an area that has a potential for liquefaction, the proposed project and project-related offsite improvements would be designed to minimize the effects of settlement from liquefaction. In addition, the proposed project and project-related offsite improvements would be constructed in accordance with the CBC, and the building codes of the cities of Carson, Los Angeles, and Long Beach, which includes requirements for structures that reduce the potential for exposure of people or structures to seismic risks to the maximum extent possible, including liquefaction. Grading and foundation design would be required to comply with the buildings codes of the cities of Carson, Los Angeles, and Long Beach to minimize the effects of lateral spreading.

The project site and project-related offsite improvements are not located within an area of known ground subsidence and no large-scale extraction of groundwater, gas, oil, or geothermal energy that could result in subsidence would occur. As such, there is no potential for subsidence on the project site or project-related offsite improvements.

Soil collapse is a phenomenon where the soils undergo a significant decrease in volume upon increase in moisture content, with or without an increase in external loads. As with liquefaction and lateral spreading, design recommendations and compliance with the building codes of the cities of Carson, Los Angeles, and Long Beach, would minimize the effects of collapse. Conformance with standard engineering practices and design

criteria would ensure that the proposed project and project-related offsite improvements does not exacerbate existing conditions. Therefore, impacts related to geologic unit or soil that is unstable would be less than significant.

d) Expansive soils are typically associated with fine-grained clayey soils that have the potential to shrink and swell with repeated cycles of wetting and drying. Such soils can expose overlying buildings to differential settlement and other structural damage. The subsurface soils at the project site include clayey soils that can be expansive under certain conditions (**Appendix E** of this IS/MND). The Design measure recommendations, including soil improvement and/or stabilization, use of large mat foundations, and flexible connections, which would minimize impacts from expansive soils would be implemented during final design. Conformance with the CBC, and the buildings codes of the cities of Carson, Los Angeles, and Long Beach, as well as design measures would reduce the potential for substantial risks to life or property as a result of expansive soils. Therefore, impacts would be less than significant.

e) The project site and project-related offsite improvements are located partially within an urbanized area currently developed with an aggregate recycling center and partially within an open space area and are served by community water and sewer service. Furthermore, no septic tanks or alternative wastewater disposal systems are in use or would be required under the proposed project and project-related offsite improvements. Therefore, no impact would occur.

f) A Paleontological Resources Assessment was conducted for the proposed project in November 2023 (ESA, 2023). The assessment includes a geologic map review, literature review, a paleontological resources database search by the Natural History Museum of Los Angeles County (LACM) and a paleontological sensitivity analysis.

Review of the geologic map shows that most of the proposed site and project-related offsite improvements lies with the Younger Quaternary Alluvium (unit 2) (Qya2). No details are provided on the units though the correlation chart tentatively assigns unit 2 to the early Holocene. A small portion of the gen-tie line in the south lies upon older alluvium (Qoa), believed to be Pleistocene in age. The western border of the proposed project, the low area of the Dominguez Channel, is underlain by young alluvial fans (Qyf).

The literature review indicates that while there are no additional reports of Pleistocene fossils from the immediate area, there is a rich record of Ice Age terrestrial faunas from the greater Los Angeles Basin—not including the unique La Brea Tar Pits (Jefferson 1991a, 1991b; McDonald and Jefferson 2008; Miller 1971; Reynolds and Reynolds 1991; Springer et al. 2009). These Ice Age terrestrial deposits include megafauna such as mammoth, mastodon, giant ground sloth, camel, and bison, as well as smaller peccary, rodents, turtles, and salamander (Graham and Lundelius 1994; Hudson and Brattstrom 1977; Jefferson 1991a, 1991b). These reports have been critical in showing the impacts of climate change (Roy et al. 1996) and extinction (Scott 2010; Sandom et al. 2014) and substantiate the value of protecting and studying the paleontological record of the region.

Results of the paleontological resources records search conducted by the LACM indicated that no fossil localities lie directly within the project site and project-related offsite improvements; however, several fossil localities (LACM VP 3245, 3319, 3382, 3550, 3660, 4129 and LACM IP 423, 2668) were identified nearby from the same sedimentary deposits occurring in the project site and project-related offsite improvements either at surface or depth. These fossil localities are located approximately between 0.50 and 4.9 miles away from the project site and project-related offsite improvements and yielded fossils specimens of mammoth, elephant family, camel family, fish, seal clade from depths between 19 and 48 feet bgs. These fossil localities were found within Pleistocene deposits and Palos Verdes Sand (Bell, 2023).

The geologic mapping review, as well as the LACM records search results, were used to assign paleontological sensitivity to the geologic units at surface and underlying the project site and project-related offsite improvements following the guidelines of the Society of Vertebrate Paleontology (SVP, 2010). The paleontological sensitivity analysis indicates that young alluvial fans (Qyf) found along the western border of the proposed project, are assigned a Low Potential due to their young age. Younger Holocene alluvium (Qya_2) is found throughout the valley and bounded outside the proposed project by uplifted regions of older Pleistocene marine and non-marine deposits. While these Pleistocene units likely underlie the younger, Holocene alluvium in the project site and project-related offsite improvements, the depth is unknown but most likely lies approximately 20 feet below the surface based on records from the LACM. This unit is assigned a Low Potential to contain paleontological resources due to its age but likely increases with depth. Older alluvium (Qoa) deposits are found in the southern portion of the gen-tie line. This unit has produced significant fossils locally and throughout the greater Los Angeles basin. This unit is assigned a High Potential to contain paleontological resources due to its age, environments, and known fossils.

Should paleontological resources be encountered, the proposed project and project-related offsite improvements could directly or indirectly destroy a unique paleontological resource or site. No unique geologic features are known to be present in the project site and project-related offsite improvements. With implementation of Mitigation Measures PALEO-1 through PALEO-4, which require retention of a qualified paleontologist, construction worker paleontological resources sensitivity training, paleontological monitoring of excavations exceeding 20 feet in Quaternary alluvium and all excavations in the older alluvium in the southern portion of the gen-tie line route, procedures to follow in the event of the discovery of paleontological resources, salvage and curation of significant fossil discoveries, and final reporting, impacts to paleontological resources would be less than significant.

Mitigation Measure PALEO-1: The Applicant shall retain a paleontologist who meets the Society of Vertebrate Paleontology's (SVP, 2010) definition for qualified professional paleontologist (Qualified Paleontologist) to carry out all mitigation related to paleontological resources. Prior to the start of ground-disturbing activities, the Qualified Paleontologist or their designee shall conduct construction worker paleontological resources sensitivity training for all construction personnel. Construction personnel shall be informed on how to identify the types of paleontological resources that may be

specifically encountered in Pleistocene to early Holocene alluvial deposits, the proper procedures to be enacted in the event of an inadvertent discovery of paleontological resources, and safety precautions to be taken when working with paleontological monitors. The City of Carson shall ensure that construction personnel are made available for and attend the training and retain documentation demonstrating attendance.

Mitigation Measure PALEO-2: Paleontological monitoring shall be conducted during ground-disturbing activities below 20 feet in Quaternary alluvium (Qyf and Qya2) and at all depths within the older alluvium (Qoa) at the surface along the southern portion of the gen-tie line as depicted in Figure 5, Geologic Map, of the Paleontological Resources Assessment (**Appendix F** of the IS/MND). Monitoring shall be conducted by a qualified paleontological monitor (SVP, 2010) working under the direct supervision of the Qualified Paleontologist. Monitoring shall consist of visually inspecting fresh exposures of rock for larger fossil remains and, where appropriate, collecting sediment samples to wet or dry screen to test promising horizons for smaller fossil remains. If the Qualified Paleontologist determines that full-time monitoring is no longer warranted, based on the specific geologic conditions at the surface or at depth, the Qualified Paleontologist may recommend that monitoring be reduced to periodic spot-checking or cease entirely.

Mitigation Measure PALEO-3: If a potential fossil is found, the paleontological monitor shall be allowed to temporarily divert or redirect grading and excavation activities in the area of the exposed fossil to facilitate evaluation of the discovery. An appropriate buffer area shall be established around the find where construction activities shall not be allowed to continue. Work shall be allowed to continue outside of the buffer area. At the monitor's discretion, and to reduce any construction delay, the grading and excavation contractor shall assist in removing rock/sediment samples for initial processing and evaluation. If a fossil is determined to be significant, the Qualified Paleontologist shall implement a paleontological salvage program to remove the resources from their location, following the guidelines of the SVP (2010). Any fossils encountered and recovered shall be prepared to the point of identification, catalogued, and curated at a public, non-profit institution with a research interest in the material and with retrievable storage, such as the Natural History Museum of Los Angeles County, if such an institution agrees to accept the fossils. If no institution accepts the fossil collection, they shall be donated to a local school in the area for educational purposes. Accompanying notes, maps, and photographs shall also be filed at the repository and/or school.

If construction personnel discover any potential fossils during construction while the paleontological monitor is not present, regardless of the depth of work or location, work at the discovery location shall cease in a 50-foot radius of the discovery until the Qualified Paleontologist has assessed the discovery and recommended and implemented appropriate treatment as described earlier in this measure.

Mitigation Measure PALEO-4: At the conclusion of paleontological monitoring and prior to the release of the grading bond, the Qualified Paleontologist shall prepare a report summarizing the results of the monitoring and salvage efforts, the methodology used in these efforts, as well as a description of the fossils collected and their significance. The report shall be submitted by the Qualified Paleontologist to the City of Carson and the Natural History Museum of Los Angeles County to signify the satisfactory completion of the project and required mitigation measures.

VIII. Greenhouse Gas Emissions

Issues (and Supporting Information Sources)	*Potentially Significant Impact*	*Less than Significant with Mitigation Incorporated*	*Less-than-Significant Impact*	*No Impact*
GREENHOUSE GAS EMISSIONS— Would the project:				
a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	☐	☐	☒	☐
b) Conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	☐	☐	☒	☐

Discussion

a,b) Gases that trap heat in the atmosphere are called greenhouse gases (GHGs). The major concern with GHGs is that increases in their concentrations are causing global climate change. Global climate change is a change in the average weather on Earth that can be measured by wind patterns, storms, precipitation, and temperature. Although there is disagreement as to the rate of global climate change and the extent of the impacts attributable to human activities, most in the scientific community agree that there is a direct link between increased emissions of GHGs and long-term global temperature increases.

The State of California defines GHGs as carbon dioxide (CO_2), methane (CH_4), nitrous oxide (N_2O), sulfur hexafluoride (SF_6), perfluorocarbons (PFCs), and hydrofluorocarbons (HFCs). Because different GHGs have different global warming potentials (GWPs) and CO_2 is the most common reference gas for climate change, GHG emissions are often quantified and reported as CO_2 equivalents (CO_2e). For example, CH_4 has a GWP of 25 (over a 100-year period); therefore, 1 metric ton (MT) of CH_4 is equivalent to 25 MT of CO_2 equivalents ($MTCO_2e$). The State uses the GWP ratios available from the United Nations Intergovernmental Panel on Climate Change (IPCC) and published in the *Fourth Assessment Report* (AR4). By applying the GWP ratios, project-related CO_2e emissions can be tabulated in metric tons (MT) per year. Large emission sources are reported in million metric tons (MMT) of CO_2e.[5]

According to the California Environmental Protection Agency (CalEPA), the potential impacts in California due to global climate change may include loss in snow pack; sea level rise; more extreme heat days per year; more high ozone days; more large forest fires; more drought years; increased erosion of California's coastlines and sea water intrusion into the Sacramento and San Joaquin Deltas and associated levee systems; and increased pest infestation (CalEPA 2006). Globally, climate change has the potential to impact numerous environmental resources through potential, though uncertain, impacts related to future air temperatures and precipitation patterns. The projected effects of

[5] A metric ton is 1,000 kilograms; it is equal to approximately 1.1 U.S. tons and approximately 2,204.6 pounds.

global warming on weather and climate are likely to vary regionally, but are expected to include the following direct effects (IPCC 2001):

- Higher maximum temperatures and more hot days over nearly all land areas
- Higher minimum temperatures, fewer cold days and frost days over nearly all land areas
- Reduced diurnal temperature range over most land areas
- Increase of heat index over land areas
- More intense precipitation events

There are many secondary effects that are projected to result from global warming, including global rise in sea level, impacts to agriculture, changes in disease vectors, and changes in habitat and biodiversity. While the possible outcomes and the feedback mechanisms involved are not fully understood and much research remains to be done, the potential for substantial environmental, social, and economic consequences over the long term may be great.

Based on the 2020 GHG inventory data (i.e., the latest year for which data are available from CARB), California emitted 369.2 $MMTCO_2e$ (CARB 2022). Combustion of fossil fuel in the transportation sector was the single largest source of California's GHG emissions in 2020, accounting for almost 37 percent of total GHG emissions in the State. This sector was followed by the electric power sector (16 percent) and the industrial emissions (20 percent) (CARB 2022).

Impacts of GHGs are borne globally, as opposed to localized air quality effects of criteria air pollutants and toxic air contaminants. The quantity of GHGs that it takes to ultimately result in climate change is not precisely known; however, it is clear that the quantity is enormous, and no single project would measurably contribute to a noticeable incremental change in the global average temperature, or to global, local, or microclimates. From the standpoint of CEQA, GHG impacts to global climate change are inherently cumulative.

The City of Carson has not adopted a threshold of significance for GHG emissions that would be applicable to the proposed project and project-related offsite improvements. In December 2008, the SCAQMD adopted a 10,000 $MTCO_2e$ per year significance threshold for industrial facilities for projects in which the SCAQMD is the lead agency. SCAQMD has not formally adopted a significance threshold for GHG emissions generated by a project for which SCAQMD is not the lead agency, nor a uniform methodology for analyzing impacts related to GHG emissions on global climate change. In the absence of any applicable adopted or accepted numerical threshold of significance for GHG emissions, the methodology for evaluating the proposed project's and project-related offsite improvement's impacts related to GHG emissions focuses on its consistency with State, regional, and local plans adopted for the purpose of reducing and/or mitigating GHG emissions. This evaluation of consistency with such plans is the sole basis for determining the significance of the proposed project's and project-related offsite improvement's GHG-related impacts on the environment. Notwithstanding, for informational purposes, the

analysis also calculates the amount of GHG emissions that would be attributable to the proposed project and project-related offsite improvements using recommended air quality models, as described below. The primary purpose of quantifying the proposed project's and project-related offsite improvement's GHG emissions is to satisfy CEQA Guidelines Section 15064.4(a), which calls for a good-faith effort to describe and calculate emissions. However, the significance of the proposed project's and project-related offsite improvement's GHG emissions impacts is not based on the amount of GHG emissions resulting from the proposed project and project-related offsite improvements. Consistent with SCAQMD guidance, total emissions from construction are amortized over an assumed project lifetime of 30 years and added to operational emissions (SCAQMD 2008).

CEQA Guidelines 15064.4 (b)(1) states that a lead agency may use a model or methodology to quantify GHGs associated with a project. In April 2022, the SCAQMD in conjunction with CAPCOA released the latest version of the CalEEMod (Version 2022). The purpose of this model is to estimate construction-source and operational-source emissions from direct and indirect sources. Accordingly, the latest version of CalEEMod has been used for this proposed project and project-related offsite improvements to estimate the proposed emissions. Construction and operations mobile emissions were estimated using EMFAC2021 (refer to **Appendix A** of this IS/MND for additional details).

Construction Emissions

Construction activities associated with the proposed project and project-related offsite improvements would result in emissions of CO_2 and, to a lesser extent, CH_4 and N_2O. Construction-period GHG emissions were quantified based on the same construction schedule and activities as described above in Section III (b). To amortize the emissions over the life of a project, the SCAQMD recommends calculating the total GHG emissions attributable to construction activities, dividing it by a 30-year project life, and then adding that number to a project's annual operational-phase GHG emissions. As such, construction emissions were amortized over a 30-year period and included in the annual operational-phase GHG emissions for the proposed project and project-related offsite improvements.

Operational Emissions

GHG Emissions

Operational activities associated with the proposed project and project-related offsite improvements would result in emissions of CO_2 and, to a lesser extent CH_4 and N_2O. Operational sources of GHG emissions would include indirect GHG emissions from export of electricity, water consumption, and waste generation. The proposed project and project-related offsite improvements would be unoccupied and monitored remotely. Minimal periodic visits would be conducted for on-site equipment inspections, monitoring and testing. Therefore, minimal amounts of GHG emissions were assumed from mobile sources.

Emissions of GHGs also resulted from the consumption of fossil fuels to generate electricity and to provide cooling and heating to the project site and project-related offsite improvements. The proposed project and project-related offsite improvements electricity demands are supplied by SCE, which indicates their renewable power accounted for 33.2 percent in 2022 (SCE 2023).

GHG emissions from solid waste disposal are also calculated using CalEEMod. Emissions are based on solid waste calculated for the proposed project and project-related offsite improvements and the GHG emission factors for solid waste decomposition. The GHG emission factors, particularly for CH_4, depend on characteristics of the landfill, such as the presence of a landfill gas capture system and subsequent flaring or energy recovery. The default values, as provided in CalEEMod, for landfill gas capture (e.g., no capture, flaring, energy recovery) are statewide averages and are used in this assessment.

Emissions Summary

The annual GHG emissions of the proposed project and project-related offsite improvements are shown in **Table 9, Annual Project Greenhouse Gas Emissions**. As shown, the total GHG emissions for the proposed project and project-related offsite improvements would be 1,620 $MTCO_2e$. GHG emission calculations are provided in **Appendix A** of this IS/MND.

TABLE 9
ANNUAL PROJECT GREENHOUSE GAS EMISSIONS

Emissions Sources	CO_2e (Metric Tons per Year)[a]
Area	6
Energy (Electricity, Natural Gas)	1,262
Waste	117
Water	171
Emergency Generator	3
Construction[b]	62
Project Total GHG Emissions	***1,620***

NOTES:

a. Totals may not add up exactly due to rounding in the modeling calculations. Refer to **Appendix A** of this IS/MND for details.

b. Construction emissions are amortized over 30 years.

SOURCE: ESA 2023

The City of Carson General Plan does not identify specific GHG or climate change policies or goals. In the absence of any adopted, quantitative threshold, the proposed project and project-related offsite improvements would not have a significant effect on the environment if the proposed project and project-related offsite improvements is found to be consistent with the applicable regulatory plans and policies to reduce GHG emissions, including CARB's 2022 Scoping Plan for Carbon Neutrality (Scoping Plan), SCAG's 2020–2045 RTP/SCS, and the City's Energy Efficiency Climate Action Plans (EECAP).

The EECAP, developed by the South Bay Cities Council of Governments, aims to implement energy efficiency and GHG reduction efforts (City of Carson 2015). The proposed project and project-related offsite improvements has been evaluated for consistency with the EECAP. According to the EECAP, the City is in the process of implementing strategies to reduce energy consumption across sections, which includes promoting commercial energy retrofits (City of Carson 2015). Consistent with the strategies identified in the EECAP, the proposed project and project-related offsite improvements would install lighting and a ventilation system that conforms to the California Green Building Code and include approximately 14,092 square feet of landscaping along the entrance of the project site. Therefore, the proposed project and project-related offsite improvements would be consistent with the applicable GHG reduction strategies in the City's EECAP.

As shown in Table 9 above, the highest GHG contributors for the proposed project and project-related offsite improvements are from energy sources. This is a highly regulated source with measures implemented in CARB's 2022 Scoping Plan to reduce GHG emissions from each sector.

With respect to energy, the RPS requires publicly owned utilities and retail sellers of electricity in California to procure 33 percent of their electricity sales from eligible renewable sources by 2020 and 50 percent by the end of 2030. SCE, the utility provider for the project site and project-related offsite improvements, reported 33.2 percent of their power from renewable sources (SCE 2023). Therefore, GHG emissions from electricity consumption would decrease in future years.

As previously stated, the proposed project and project-related offsite improvements would be unoccupied and monitored remotely. Minimal periodic visits would be conducted for on-site equipment inspections, monitoring and testing. However, any mobile sources including those during construction are also highly regulated. In January 2007, the California Governor enacted Executive Order S-01-07, which mandates the following: (1) establish a statewide goal to reduce the carbon intensity of California's transportation fuels by at least 10 percent by 2020; and (2) adopt a Low Carbon Fuel Standard (LCFS) for transportation fuels in California. CARB identified the LCFS as one of the nine discrete early actions in the 2017 Climate Change Scoping Plan.

The 2022 Scoping Plan for Achieving Carbon Neutrality (2022 Scoping Plan), adopted by CARB in December 2022, expands on prior Scoping Plans and responds to more recent legislation by outlining a technologically feasible, cost-effective, and equity-focused path to achieve the state's climate target of reducing anthropogenic emissions to 85 percent below 1990 levels and achieving carbon neutrality by 2045 or earlier (CARB 2022). The major element of the 2022 Scoping Plan is the decarbonization of every sector of the economy. This requires rapidly moving to zero-emission transportation for cars, buses, trains, and trucks; phasing out the use of fossil gas for heating; clamping down on chemicals and refrigerants; providing communities with sustainable options such as walking, biking, and public transit to reduce reliance on cars; continuing to build out

solar arrays, wind turbine capacity, and other resources to provide clean, renewable energy to displace fossil-fuel fired electrical generation; scaling up new options such as renewable hydrogen for hard-to-electrify end uses and biomethane where needed.

Table 10, Project Conflict Analysis with Applicable 2022 Scoping Plan Actions and Strategies, contain a list of GHG-reducing strategies as they relate to the proposed project and project-related offsite improvements. The analysis describes the consistency of the proposed project and project-related offsite improvements with these strategies that support the State's strategies in the Climate Change Scoping Plan to reduce GHG emissions. The Climate Change Scoping Plan relies on a broad array of GHG reduction actions, which include direct regulations, alternative compliance mechanisms, incentives, voluntary actions, and market-based mechanisms such as the Cap-and-Trade program. As shown below, the proposed project and project-related offsite improvements will incorporate characteristics to reduce energy, conserve water, reduce waste generation, and reduce vehicle travel consistent with statewide strategies and regulations. As a result, the proposed project and project-related offsite improvements would not conflict with applicable Climate Change Scoping Plan strategies and regulations to reduce GHG emissions.

The 2020–2045 RTP/SCS includes "more compact, infill, walkable and mixed-use development strategies to accommodate new region's growth would be encouraged to accommodate increases in population, households, employment, and travel demand." Moreover, the 2020–2045 RTP/SCS states the focus would be "growth in existing urban regions and opportunity areas, where transit and infrastructure are already in place. Locating new growth near bikeways, greenways, and transit would increase active transportation options and the use of other transit modes, thereby reducing number of vehicle trips and trip lengths and associated emissions."

The proposed project and project-related offsite improvements would not conflict with the 2020–2045 RTP/SCS goals and benefits intended to improve mobility and access to diverse destinations, provide better "placemaking," provide more transportation choices, and reduce vehicular demand and associated emissions. Therefore, the proposed project and project-related offsite improvements would not conflict with the GHG reduction-related actions and strategies contained in the 2020–2045 RTP/SCS.

The project site is located on one parcel within the City of Carson which is currently developed as an aggregate recycling center and surrounded by mixed industrial uses. The proposed gen-tie line originates at the project site and travels partially through an urbanized area within the City of Carson and City of Los Angeles and partially through an open space area to the SCE Hinson Substation located within the City of Long Beach. As previously stated, the proposed project is an energy storage facility that would provide energy storage capacity and dispatch for the electricity grid. The project site and project-related offsite improvements would be unoccupied and monitored remotely. Minimal vehicle trips would be generated during periodic visits for on-site equipment inspections, monitoring and testing. Therefore, the proposed use would not conflict with the 2020-2045 RTP/SCS goals related to reducing vehicle trips.

TABLE 10
PROJECT CONFLICT ANALYSIS WITH APPLICABLE 2022 SCOPING PLAN ACTIONS AND STRATEGIES

Actions and Strategies	Conflict Analysis
Increase in Renewable Energy and Decrease in Oil and Gas Use Actions	**No Conflict.** This goal applies to increasing renewable energy and a decrease in oil and gas actions. The proposed project is an energy storage facility that would provide energy storage capacity and dispatch for the electricity grid. In addition, the electricity required to power the proposed project and project-related offsite improvements would be obtained internally and each individual enclosure would be directly connected to the energy storage system's discharge and would not require additional electrical.
Low Carbon Fuels Actions	**No Conflict.** The proposed project and project-related offsite improvements would generate minimal vehicle trips during periodic visits for on-site equipment inspections, monitoring and testing. Vehicles accessing the proposed project and project-related offsite improvements, including construction vehicles and trucks, employees, and delivery service trucks would utilize fuels that comply with the State of California low carbon fuel standard. Thus, the proposed project and project-related offsite improvements would not conflict with the State's ability to implement the low carbon fuel standard.
Expansion of Electrical Infrastructure Actions	**No Conflict.** The proposed project is an energy storage facility that would provide energy storage capacity and dispatch for the electricity grid. The proposed project would require the addition of two fiber telecommunication lines and a gen-tie line to transfer power between the SCE Hinson Substation and the proposed project. However, these would benefit the State and SCE's compliance with providing renewal energy.
Climate Ready and Climate-Friendly Buildings	**No Conflict.** The proposed project is an energy storage facility and does not include residential units. As such, this action does not apply to the proposed project and project-related offsite improvements.
Expanded Use of Zero-Emission Mobile Source Technology Actions	**No Conflict.** The proposed project is an energy storage facility that would provide energy storage capacity and dispatch for the electricity grid. The proposed project and project-related offsite improvements would support this action by providing SCE with renewable energy stored at the project site and project-related offsite improvements that could be used for electric vehicle charging stations. Further, the proposed project and project-related offsite improvements would benefit from implementation of the Advanced Clean Cars Program that would reduce passenger vehicle GHG emissions, as well as the Advanced Clean Truck Regulation that aims to increase zero-emissions truck sales annually.
Mechanical Carbon Dioxide Removal and Carbon Capture and Sequestration Actions	**No Conflict.** The proposed project would retain the existing landscaping on site and replace approximately 4,019 sf of existing landscaping would be rehabilitated with low water climate adopted plants along with five new trees. As such, the proposed project would increase carbon sequestration. The proposed project and project-related offsite improvements would support this action and would not conflict with the State's ability to reduce Statewide GHG emissions through carbon removal and sequestration actions.
Improvements to Oil and Gas Facilities Actions	**Not Applicable.** The proposed project is an energy storage facility that would provide energy storage capacity and dispatch for the electricity grid. The proposed project and project-related offsite improvements does not include improvements to oil and gas facilities. As such, this action does not apply to the proposed project and project-related offsite improvements.
Reduced High-GWP Fluorinated Gases Actions	**No Conflict.** This action includes expanding use of low-GWP refrigerants within buildings; increasing funding to decarbonize existing buildings and appliance replacements; and implementing biomethane procurement targets for investor-owned utilities. The proposed project and project-related offsite improvements has no jurisdiction over this action. However, the proposed project would utilize refrigerants within the proposed enclosures (e.g., air conditioning systems) in compliance with applicable State and local regulations and as such, the proposed project and project-related offsite improvements would not conflict with the State's ability to achieve GHG reductions under this action.

Actions and Strategies	Conflict Analysis
Forest, Shrubland, and Grassland Management Actions	**No Conflict.** This action involves increasing the urban forestry investment annually by 200 percent relative to business as usual. The landscaping at the project site would include five new trees as well as retain the existing landscaping. The proposed project will introduce low water climate adapted plants. The proposed project and project-related offsite improvements would support this action and would not conflict with the State's ability to reduce Statewide GHG emissions through urban forestry actions.
Agricultural Actions	**Not Applicable.** This action involves increasing climate smart forest, shrubland, and grassland management to at least 2.3 million acres a year−an approximately 10x increase from current levels. The proposed project and project-related offsite improvements is in an urban center and would have no agricultural uses. As such, this action does not apply to the proposed project and project-related offsite improvements.
Organic Waste Diversion and Composing Actions	**No Conflict.** The proposed project is an unoccupied energy storage facility that would provide energy storage capacity and dispatch for the electricity grid. The proposed project and project-related offsite improvements is not anticipated to generate organic waste. As such, the proposed project and project-related offsite improvements would not conflict with this goal.
Afforestation, Urban Forestry Expansion, Urban Greening, Avoided Natural and Working Land Use Conversion, and Wetland Restoration Actions	**No Conflict.** The landscaping at the project site would include five new trees and the rehabilitation of approximately 4,019 sf of landscaping with low water climate adapted plants. Additionally, the proposed project and project-related offsite improvements is not located on natural or working lands. The proposed project and project-related offsite improvements would support this action and would not conflict with the State's ability to reduce Statewide GHG emissions through urban forestry actions.
Reduced VMT Actions	**No Conflict.** The proposed project would be unoccupied and monitored remotely. Minimal vehicle trips would be generated during periodic visits for on-site equipment inspections, monitoring and testing. Thus, the proposed project and project-related offsite improvements would not conflict with the State's ability to reduce VMT.

SOURCE: ESA, 2023

Overall, the proposed project and project-related offsite improvements would not conflict with CARB's implementation of the LCFS or the 2022 Scoping Plan, the City's EECAP, and it would not conflict with SCAG's 2020–2045 RTP/SCS. Therefore, the proposed project and project-related offsite improvements would not conflict with an applicable plan, policy, or regulation to reduce GHG emissions. As such, impacts would be less than significant.

IX. Hazards and Hazardous Materials

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

This section is based on the Phase I Environmental Site Assessments (ESA) prepared by Alta Environmental, dated September 30, 2021, and April 27, 2023 (refer to **Appendix G1 and G2** of this IS/MND).

Discussion

a) Exposure of the public or the environment to hazardous materials can occur through transportation accidents; environmentally unsound disposal methods; improper handling of hazardous materials or hazardous wastes (particularly by untrained personnel) during construction or operation. The severity of these potential effects varies by type of activity, concentration and/or type of hazardous materials or wastes, and proximity to sensitive receptors.

Construction

The hazardous materials used for construction will be typical of most construction projects of this type. Materials will include small quantities of gasoline, diesel fuel, oils, lubricants, solvents, detergents, degreasers, paints, ethylene glycol, dust palliatives, herbicides, and welding materials/supplies.

The California Hazardous Materials Release Response Plans and Inventory Law of 1985 (Business Plan Act), requires preparation of hazardous materials business plans (HMBP) and disclosure of hazardous materials inventories, including an inventory of hazardous materials handled, plans showing where hazardous materials are stored, an emergency response plan, and provisions for employee training in safety and emergency response procedures (California Health and Safety Code, Division 20, Chapter 6.95, Article 1). The LACFD is the local Certified Unified Program Agency (CUPA) with jurisdiction over the hazardous materials of the proposed project and project-related offsite improvements. The HMBP would be provided to the City and would include necessary information to prevent or mitigate possible environmental contamination or worker exposure. During proposed project construction, material safety data sheets for all applicable materials present at the site will be made readily available to on-site personnel.

Construction contractors would implement BMPs for handling hazardous materials during construction activities, including following manufacturers' recommendations and regulatory requirements for use, storage, and disposal of chemical products and hazardous materials used in construction; avoiding overtopping construction equipment fuel tanks; routine maintenance of construction equipment; and properly disposing of discarded containers of fuels and other chemicals. Construction contractors are required to implement safety measures in accordance with the General Industry Safety Orders of the California Code of Regulations. Furthermore, all construction-related materials would be transported and disposed of in accordance with applicable codes and regulations.

Two Phase I Environmental Site Assessments (ESAs) were prepared by Alta Environmental for the project site and the gen-tie routes to assess the potential for implementation of the proposed project to result in impacts related to hazards and hazardous materials resulting from existing or historical conditions on or near the project site and gen-tie route (**Appendix G1** and **Appendix G2** of this IS/MND). The Phase I ESA (**Appendix G** of this IS/MND) identified recognized environmental conditions (RECs) in connection with the project site for the proposed BESS. A REC refers to the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: due to release to the environment; under conditions indicative of a release to the environment; or under conditions that pose a material threat of a future release to the environment. If RECs or environmental issues in connection with hazards or hazardous materials on the project site or project-related offsite improvements are identified, the proposed project may result in a significant impact related to the creation of a hazard to the public or environment.

The Phase I ESA (**Appendix G1** of this IS/MND) identified title documentation associated with the project site indicating an environmental deed restriction has been placed on the site due to the potential presence of hazardous substances at, on or underneath the site. This deed restriction represents evidence of an REC that may result in significant impacts related to hazards or hazardous material to the public or environment (NV5 2021).

The Phase I (**Appendix G2** of this IS/MND) identified four areas of potential concern. Unless specifically identified, an area of potential concern does not indicate that a release has occurred, only that there is the potential to impact the gen-tie route if a release has occurred.

The Montrose Chemical Corporation was a former dichlorodiphenyltrichloroethane (DDT) manufacturing plant located approximately five miles northwest of the gen-tie route original location. It was discovered that the DDT manufacturing work conducted at the facility had severely contaminated soil and groundwater beneath and nearby the former plant property. In 1989, the facility was listed as an EPA Superfund site. The major transport mechanisms identified were reports as storm water runoff and aerial emissions. Contamination was reported to have flowed off the facility into the Kenwood Stormwater Drainage Pathway and subsequently into the Domingues Channel, which is transected by the gen-tie route (NV5 2023).

The gen-tie route transects the present-day ICTF Intermodal Terminal, a large active rail and tractor trailer yard. It was constructed on a portion of the former Wilmington Classification and Holding Yard, a former military equipment loading and storage facility that operated in the 1940s. A site survey summary sheet prepared by the Army Corps of Engineers in 1999 noted that various types and sources of subsurface soil contamination had been previously identified in the railyard portion of the site. The types and locations of the soil contamination were not reported. The site survey summary sheet also included an evaluation for hazard severity associated with unexploded ordinance. The property was given a rating of "4" indicating negligible hazard; however, a score of "5" indicating a marginal hazard was also listed as recommended. According to records reviewed, this designation was primarily determined on the use of warehouse 17 (located over one mile from the gen-tie route) as an ordinance depot. While specific areas of contaminant at the ICTF Intermodal Terminal were not reported, it is not uncommon to encounter areas of shallow soil impacted from past releases/spills of hazardous substances and petroleum products as well as pesticides and herbicides applied as part of facility maintenance (NV5 2023).

The Marathon Carson Refinery is located approximately 500 feet west of the gen-tie route origin, across Alameda Street and the Union Pacific Railroad. According to the CPS-SLIC database, the facility is currently undergoing remediation of total petroleum hydrocarbons in groundwater. According to documents available on Geotracker, a release was identified at the facility as early as 1990 and various site investigations and remediation continue to be conducted for light non-aqueous phase liquid (LNAPL). The lateral and vertical extent of LNAPL contamination is still being assessed. Based on the documented extend of LNAPL contamination to groundwater, distance of the facility with respect to the gen-tie route, and the inherent environmental risk associated oil refining operations, this facility is considered to represent an area of potential concern for the gen-tie route (NV5 2023).

The properties adjoining the gen-tie route origin to the north and to the west were previously developed with a hydrogen gas plant (Air Products) between the early 1960s

to the late 1990s. Historical records reviewed identified evidence of past hazardous substances or petroleum products use at the hydrogen gas plant including documented releases of petroleum hydrocarbons and volatile organic compound (VOC)s from former underground storage tanks (USTs) and hydrogen production operations at the facility, along with evidence of potential off-site hydrocarbon releases and regional groundwater impact. These potential impacts were reported at both the portion of the hydrogen production facility located on the northern adjoining property, and at the portion of the facility located at the western adjoining property (primarily from surficial spills near a waste oil UST located on the eastern portion of the facility. These releases were subsequently remediated and granted case closure/no further action status. Additionally, during subsequent redevelopment 1,200 cubic yards of petroleum and lead impacted soil was excavated and removed from the northern adjoining property. Due to the elevated concentrations of soluble lead, the soil was classified as a California designated hazardous waste (NV5, 2023).

Although the proposed project and project-related offsite improvements would not be occupied once operational, these areas of potential concern have the potential to expose construction workers to significant hazards. However, construction of the proposed project and project-related offsite improvements would require compliance with the recommendations of the Phase I ESAs to reduce the potential of significant impacts. Specifically, prior to the start of construction activities, the proposed project proponent would conduct shallow soil sampling to the depth of proposed soil excavation to determine whether soils that will be disturbed contain elevated concentrations of hydrocarbons or lead. If sampling indicates elevated concentration of hydrocarbons or lead, construction workers in those areas of the site would require OSHA HAZWOPER certification for handling the specific hazardous conditions that would be encountered. Furthermore, the proposed project and project-related offsite improvements would comply with the requirements, responsibilities, and limitations of the property in accordance with the environmental deed restriction. Compliance with the recommendations provided in the Phase I ESAs, adherence to the HMBP, and implementation of BMPs, would ensure impacts related to the routine transport, use, or disposal of hazardous materials during proposed project construction, would be less than significant.

Operation

Operations at the proposed project and project-related offsite improvements would consist of periodic in-person equipment inspections, monitoring and testing, and maintenance as needed. However, outside of these periodic in person visits, the project site would be unoccupied. Limited amounts of hazardous materials will be stored or used on the site during operations, including diesel fuel, gasoline, and motor oil for vehicles; mineral oil to be sealed within the transformers; and lead-acid-based batteries for emergency backup. Appropriate spill containment and cleanup kits would be maintained during operation of the proposed project and project-related offsite improvements. In addition to the HMBP that would be prepared for the proposed project and project-related offsite improvements, a spill prevention control and countermeasures (SPCC) plan and

material disposal and solid waste management plan would also be developed for site operations. Fuels and lubricants used in operations would be subject to the SPCC plan and solid waste, and if generated during operations, would be subject to the material disposal and solid waste management plan to be prepared for the proposed project and project-related offsite improvements.

The storage, use, transport and disposal of hazardous materials are regulated by applicable federal, State, and local regulations. Compliance with federal, State and local requirements would serve to minimize health and safety risks to people or structures associated with hazardous materials stored or used for operations of the proposed project and project-related offsite improvements. Therefore, operational impacts associated with the proposed project and project-related offsite improvements related to use, transport, storage, or disposal of hazardous materials would be less than significant.

b) ***Construction***

Construction of the proposed project and project-related offsite improvements would involve minimal uses of hazardous materials typical to construction, including gasoline, motor oils, paints, solvents, and other miscellaneous materials (e.g., engine oil, etc.). All potentially hazardous materials would be used and stored in accordance with manufacturers' instructions and handled in compliance with applicable standards and regulations. The construction phase would involve the use of heavy equipment, which require small amounts of oil and fuels and other potential flammable substances. During construction, equipment would require refueling and minor maintenance on location that could lead to fuel and oil spills. The contractor would be required to identify a staging area for storing materials. Additionally, operators of heavy-duty equipment are trained to remain alert and nearby during fueling of equipment, and spills, should they occur, should not reach the off-site environment. Construction contractors would be required to implement safety measures in accordance with the General Industry Safety Orders of the California Code of Regulations. All construction-related materials would be transported and disposed of in accordance with applicable codes and regulations. Compliance with applicable federal, State, and local standards would be required; therefore, construction-related impacts related to accidental release of hazardous materials would be less than significant.

Operation

As discussed above, limited amounts of hazardous materials would be stored or used on the site during operations, including diesel fuel, gasoline, and motor oil for vehicles; mineral oil to be sealed within the transformers; and lead-acid-based batteries for emergency backup. Appropriate spill containment and cleanup kits would be maintained during operation of the proposed project and project-related offsite improvements. In addition to the HMBP that would be prepared for the proposed project and project-related offsite improvements, an SPCC plan and material disposal and solid waste management plan would also be developed for site operations. Fuels and lubricants used in operations will be subject to the SPCC plan and solid waste, if generated during operations, will be

subject to the material disposal and solid waste management plan to be prepared for the proposed project and project-related offsite improvements. Additionally, the proposed project and project-related offsite improvements would be required to comply with federal, State, and local requirements, further minimizing the potential for an accidental release of hazardous materials. Therefore, operation-related impacts related to the accidental release of hazardous materials would be less than significant.

c) The nearest school is Webster Elementary located approximately 0.2 miles east from the proposed site. However, all potentially hazardous materials would be used and stored in accordance with manufacturers' instructions and handled in compliance with applicable standards and regulations. Thus, the proposed project and project-related offsite improvements would not emit or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school and no impact would occur.

d) As part of both Phase I ESAs (**Appendix G1** and **Appendix G2** of this IS/MND) prepared for the project site, regulatory databases were reviewed for the project site, gen-tie route and properties within the standard search radii as required by California Government Code Section 65962.5. The databases are known as the "Cortese List" and include EnviroStor, GeoTracker, and other lists compiled by the CalEPA. The project site is identified as a hazardous materials site within multiple databases (HWTS, HIST UST, HAZNET, SWEEPS UST, EMI, FINDS, CPS-SLIC, LUST, CA FID UST, Los Angeles CO. HMS, CERS, RGA LUST, ENVIROSTOR, HIST CORTESE, CIWQS, ECHO, WMUDS, SWAT, and RCRA NONGEN/NLR).

The proposed project's listing in these databases is primarily associated with the site's prior use as a hydrogen gas production facility, as further discussed above, under the response to Checklist Question IX.a, above. The portion of the proposed project located within the SCE Hinson Substation is not listed located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5. Compliance with the recommendations provided in the Phase I ESAs, adherence to the HMBP, and implementation of BMPs, would ensure the proposed project would not create a significant hazard to the public or environment, despite being included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5. Therefore, impacts would be less than significant.

e) The project site and project-related offsite improvements are approximately 4.5 miles south of the Compton/Woodley Airport and approximately 3.3 miles west of the Long Beach Airport. The project area would not be located within the Airport Influence Area (Los Angeles County Airport Land Use Commission 2003). Therefore, the proposed project and project-related offsite improvements would not pose any airport safety hazards for people residing or working in the project area, and no impacts would occur.

f) The proposed project and project-related offsite improvements would not result in any permanent alterations to vehicular circulation routes or obstruct public access along adjacent roadways. All construction staging would occur within the boundaries of the project site and would not interfere with circulation along the adjacent roadways, or any other nearby roadways. The City has prepared a Multi-Hazard Functional Plan (1996) for emergency response within the city. The plan identifies emergency protocol, critical meeting areas, and emergency evacuation routes. The four major freeways (I-405, SR-91, I-110, and I-710) as well as arterial streets with right-of-way widths from 80 to 100 feet at one-half mile intervals would serve as potential evacuation routes during a disaster. Potential evacuation routes that are located near the site include East Sepulveda Boulevard and Alameda Street. The project site is not located directly along an evacuation route and operations under the proposed project and project-related offsite improvements would not interfere with an adopted emergency response plan or emergency evacuation plan. Therefore, impacts related to impairment or physical interference with an adopted emergency response plan or emergency evacuation plan, would be less than significant.

g) A significant impact would occur if the proposed project and project-related offsite improvements would expose people and structures to wildfire risks. According to the California Department of Forestry and Fire Protection's (CAL FIRE's) Very High Fire Hazard Severity Zone Map, the project site and project-related offsite improvements are not designated as a very high fire hazard severity zone (VHFHSZ) under local or State responsibility. Additionally, the project site, project-related offsite improvements, and surrounding area are built out and urbanized. The proposed project and project-related offsite improvements would be located in an urban setting, and thus is not anticipated to expose people or structures to a significant risk involving wildland fires. The gen-tie line that would be constructed as part of the proposed project may pose a potential wildfire ignition source. However, proposed project compliance with applicable wildland fire management plans and policies established by CAL FIRE and LACFD as well as the CPUC General Order 95: Overhead Electric Line Construction, which includes safety standards for overhead electric lines, including minimum distances for conductor spacing, minimum conductor ground clearance, standards for calculating maximum sag, electric line inspection requirements, and vegetation clearance requirements, would minimize the risk of wildfires. Therefore, impacts related to exposing people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires, would be less than significant.

X. Hydrology and Water Quality

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

Discussion

a) The project site and project-related offsite improvements are located partially within an urbanized area of the City of Carson and City of Los Angeles and partially within an open space area within the City of Long Beach. The project site is currently developed as an aggregate recycling center and existing SCE Hinson Substation. As part of Clean Water Act Section 402, the USEPA has established regulations under the NPDES program to control direct stormwater discharges. In California, the State Water Regional Control Board (SWRCB) administers the NPDES permitting program and is responsible for developing NPDES permitting requirements. The NPDES program regulates industrial pollutant discharges, which include construction activities. The SWRCB works in coordination with the nine Regional Water Quality Control Boards (RWQCBs) to preserve, protect, enhance, and restore water quality. The project site and project-related offsite improvements are within the jurisdiction of the Los Angeles Regional Water Quality Control Board (LARWQCB). Impacts related to water quality typically range over three different periods: (1) during the earthwork and construction phase, when the potential for erosion, siltation, and sedimentation would be the greatest; (2) following construction, prior to the establishment of ground cover, when the erosion potential may remain relatively high; and (3) following completion of a project, when impacts related to sedimentation would decrease markedly, but those associated with urban runoff would increase.

Construction

Construction of the proposed project and project-related offsite improvements could result in short-term impacts to water quality due to the handling, storage, and disposal of construction materials, maintenance and operation of construction equipment, and earthmoving activities. Potential pollutants associated with these activities could damage nearby waterbodies, such as the Dominguez Channel. Dischargers whose projects disturb 1 acre or more of soil or whose projects disturb less than 1 acre but are part of a larger common plan of development that in total disturbs 1 acre or more, are required to obtain coverage under the SWRCB's General Permit for Discharges of Stormwater Associated with Construction Activity Construction General Permit Order 2022-0057-DWQ (General Construction Permit). The General Construction Permit requires the project applicant to prepare and implement a SWPPP. The SWPPP would specify BMPs to be used during construction of the proposed project and project-related offsite improvements to minimize or avoid water pollution, thereby reducing potential short-term impacts to water quality. Upon completion of the proposed project, the project applicant would be required to submit a Notice of Termination to the SWRCB to indicate that construction has been completed. Further, proposed project and project-related offsite improvements construction activities would be required to comply with the water quality BMPs set forth in CMC Chapter 8, Storm Water and Urban Runoff Pollution Control. This chapter contains the City's Storm Water Management and Discharge Control Ordinance and includes conditions and requirements established to control urban pollutant runoff into the City's stormwater system. The proposed project and project-related offsite improvements would also be subject to the requirements for low impact developments (LIDs) and BMPs in LBMC Chapter 18.74, Low Impact Development Standards, and the LID practices and standards for stormwater pollution mitigation in LAMC Article 4.4, Stormwater and Urban Runoff Pollution Control. Compliance with the General Construction Permit requirements, CMC Chapter 8, Storm Water and Urban Runoff Pollution Control, LBMC Chapter 18.74, Low Impact Development Standards, and LAMC Article 4.4, Stormwater and Urban Runoff Pollution Control, would reduce the short-term impacts of the proposed project and project-related offsite improvements to surface water quality to less-than-significant levels.

As it relates to groundwater quality, there are potential groundwater impacts at the project site. An environmental deed restriction has been placed on the site due to the potential presence of hazardous substances at, on or underneath the site that places several restrictions on the property related to future development, use, and groundwater. Historically, high groundwater level on the project site is encountered at roughly 20 feet bgs, which would be below the proposed excavation of up to 5 feet on the project site. As such, construction of the proposed project and project-related offsite improvements would not disturb potentially contaminated groundwater under the project site. Therefore, the proposed project's short-term impacts to groundwater quality would be less than significant.

Operation

The primary constituents of concern during the operational phase of the proposed project and project-related offsite improvements would be solids, oils, and greases from the proposed paved access road and driveway that could be carried off site. Proposed project design features would address the anticipated and expected pollutants of concern during the operational phase of the proposed project and project-related offsite improvements. Existing on-site landscaping would minimize the amount of runoff from the project site by providing permeable areas for water infiltration and decrease runoff volume. Infiltration through this landscaped area would also serve as a water treatment function. In addition, the proposed BESS components would be enclosed within the storage containers, and battery fluids or substances would not be susceptible to spills or release as runoff.

Requirements for waste discharges potentially affecting stormwater from operations of the proposed project and project-related offsite improvements are set forth in CMC Chapter 8, Storm Water and Urban Runoff Pollution Control. These include Standard Urban Stormwater Mitigation Plan (SUSMP) requirements to minimize stormwater pollutants and limit peak post-project stormwater runoff rates to no greater than predevelopment rates where increased runoff could increase downstream erosion. The proposed project and project-related offsite improvements would also be subject to the requirements for LIDs and BMPs in LBMC Chapter 18.74, Low Impact Development Standards, and the LID practices and standards for stormwater pollution mitigation in LAMC Article 4.4, Stormwater and Urban Runoff Pollution Control.

As noted above, an environmental deed restriction has been placed on the project site due to the potential presence of hazardous substances at, on or underneath the site and includes several restrictions on the property related to future development, use, and groundwater. Portions of the project site were previously developed with a hydrogen gas plant between the early 1960s to the late 1990s and were reported to include releases of petroleum hydrocarbons and VOCs from former USTs and hydrogen production operations at the facility along with evidence of potential regional groundwater impact. These releases were subsequently remediated and granted case closure/no further action status (NV5 2021).

In general, projects control pollutants, pollutant loads, and runoff volume from the sites by minimizing the impervious surface area and controlling runoff through infiltration, bioretention, or rainfall harvest and use. The proposed project and project-related offsite improvements would largely increase the amount of impervious surface on site as the site currently contains large, pervious areas of exposed soils. However, the proposed project and project-related offsite improvements would be required to incorporate BMPs as outlined in the SWPPP and in accordance with the requirements of the municipal NPDES permit. In addition, the existing landscaping on site would continue to assist with controlling runoff. Compliance with these water quality and water discharge standards would ensure that the proposed project and project-related offsite improvements would not degrade surface or ground water quality, and impacts would be less than significant.

b) The project site and project-related offsite improvements are located partially within an urbanized area and partially within an open space area. The project site is currently developed as an aggregate recycling center and existing SCE Hinson Substation. The existing project site consists of mostly pervious surfaces. With development of the proposed project, the project site would be largely impervious. However, although the amount of impervious surface would increase, the project site is not located near groundwater recharge wells and no groundwater recharge facilities exist downstream of the project site.

In addition, no new sources of water supply, such as groundwater, are required to meet the water demand of the proposed project and project-related offsite improvements. Water supply during construction would be supplied by purchase from the California Water Service (Cal Water) Dominguez District. Based on the 2020 Urban Water Management Plan (UWMP), the Cal Water Dominguez District receives its water from 17 percent groundwater, 15 percent recycled water, and 68 percent purchased water (Cal Water 2021). Operation of the proposed project and project-related offsite improvements would not result in a substantial increase in demand as the BESS would generate minimal water use for operation and maintenance activities. Therefore, implementation of the proposed project and project-related offsite improvements would not significantly affect groundwater supplies. Furthermore, as noted above, the project site and project-related improvements are not located near groundwater recharge wells and no groundwater recharge facilities exist downstream of the project site. Therefore, the proposed project and project-related offsite improvements would not substantially deplete groundwater supplies or interfere with groundwater recharge that may impede sustainable groundwater management of the basin. Impacts would be less than significant.

c.i) The Dominguez Channel is located to the east of the project site and to the west of the existing SCE Hinson Substation located in the City of Long Beach; a flood control easement separates the Dominguez Channel from the project site and where upgrades to the SCE Hinson Substation would occur. The project site is located in an urban area and is currently developed as an aggregate recycling center. The proposed gen-tie line would cross over the Dominguez Channel but would be left in its existing condition and avoided during both proposed project construction and operation. Therefore, the proposed project and project-related offsite improvements would not result in the alteration of any stream or river course. Existing surface runoff from the project site is currently directed to an existing storm drain inlet adjacent to the project site's western boundary along Alameda Street. Under the proposed project and project-related offsite improvements, the project site would drain to the proposed detention pond. Impervious surfaces would increase on site from existing conditions, which could increase runoff from the project site and result in hydromodification effects, such as erosion and siltation. As discussed above, during construction, the proposed project and project-related offsite improvements would be required to comply with BMP's identified in the RWQCB-issued SWPPP, which would reduce the potential for erosion or siltation to occur. In addition, the proposed project would be subject to the City's Floodplain Management and Stormwater and Urban Runoff Pollution Control Ordinances, which would assist in limiting surface runoff from

the project site and reduce siltation and erosion. The proposed project would also be subject to the requirements for LIDs and BMPs in LBMC Chapter 18.74, Low Impact Development Standards, and the LID practices and standards for stormwater pollution mitigation in LAMC Article 4.4, Stormwater and Urban Runoff Pollution Control. During operation of the proposed project, the project site would be largely developed with the BESS, collector substation, paved access road, and existing landscaping and would not contain exposed soils. Furthermore, a detention pond is proposed adjacent to the O&M storage area in the southwestern corner of the BESS area, which would temporarily store stormwater to further reduce runoff and erosion. Therefore, compliance with BMPs, City ordinances, LBMC Chapter 18.74, Low Impact Development Standards, and LAMC Article 4.4, Stormwater and Urban Runoff Pollution Control, would ensure that the proposed project would not substantially alter the drainage pattern of the project site in a manner that would result in the substantial erosion or siltation on- or off-site, and impacts would be less than significant.

c.ii) The Dominguez Channel is located to the east of the BESS component project site and to the west of the portion of the project-related offsite improvements located in the City of Long Beach. The project site is located on one parcel within the City of Carson which is currently developed as an aggregate recycling center and surrounded by mixed industrial uses. The proposed gen-tie line originates at the project site and travels partially through an urbanized area within the City of Carson and City of Los Angeles and partially through an open space area to the SCE Hinson Substation located within the City of Long Beach. As discussed above in the response to Section X (c.i), the proposed gen-tie line would cross over the Dominguez Channel but would be left in its existing condition and avoided during both construction and operation of the proposed project. Therefore, the proposed project and project-related offsite improvements would not result in the alteration of any stream or river course. Surface runoff is currently directed to an existing storm drain inlet adjacent to the project site's western boundary along Alameda Street. Under the proposed project and project-related offsite improvements, impervious surfaces would largely increase on site from existing conditions, which could increase runoff from the project site and result in hydromodification effects, such as flooding. The proposed project would be subject to the City's Floodplain Management and Stormwater and Urban Runoff Pollution Control Ordinances, which help prevent flood damage resulting from hydromodification by limiting surface runoff. Furthermore, a detention pond is proposed adjacent to the O&M storage area in the southwestern corner of the BESS area, which would temporarily store stormwater to further reduce runoff. The proposed project would also be subject to LBMC Chapter 18.74, Low Impact Development Standards, and LAMC Article 4.4, Stormwater and Urban Runoff Pollution Control. Therefore, a less-than-significant impact resulting from flooding would occur.

c.iii) The project site is located in an urban area currently developed as an aggregate recycling center. The proposed gen-tie route would cross the cities of Carson, Los Angeles, and Long Beach to interconnect to the existing SCE Hinson Substation located in Long Beach. As discussed above in the response to Section X (c.i), the proposed gen-tie line would cross over the Dominguez Channel but would be left in its existing condition and

avoided during both construction and operation of the proposed project. Therefore, the proposed project and project-related offsite improvements would not result in the alteration of any stream or river course. As described above, surface runoff is currently directed to an existing storm drain inlet adjacent to the project site's western boundary along Alameda Street. As discussed above, the project applicant would be required to comply with the standard BMPs in the SWPPP, as identified by the RWQCB. Therefore, the proposed project and project-related offsite improvements would not provide substantial additional sources of polluted runoff, and potential impacts to surface water quality would be less than significant. Under the proposed project and project-related offsite improvements, impervious surfaces would increase on site from existing conditions, which could increase runoff from the project site and result in hydromodification effects, such as flooding. The proposed project would be subject to the City's Floodplain Management and Stormwater and Urban Runoff Pollution Control Ordinances, which help prevent flood damage resulting from hydromodification by limiting surface runoff. Furthermore, a detention pond is proposed adjacent to the O&M storage area in the southwestern corner of the BESS area, which would temporarily store stormwater to further reduce runoff. The proposed project would also be subject to LBMC Chapter 18.74, Low Impact Development Standards, and LAMC Article 4.4, Stormwater and Urban Runoff Pollution Control. Therefore, the proposed project would not exceed the capacity of existing or planned storm drain systems and impacts would be less than significant.

c.iv) As discussed above in the response to Section X (c.i), the proposed gen-tie line would cross over the Dominguez Channel but would be left in its existing condition and avoided during both construction and operation of the proposed project and project-related offsite improvements. Therefore, the proposed project and project-related offsite improvements would not result in the alteration of any stream or river course. According to the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Maps (FIRMs), the project site is mapped within Zone "X," indicating an area of reduced flood risk due to levee (FEMA 2023). The proposed project would be subject to the City's Floodplain Management and Stormwater and Urban Runoff Pollution Control Ordinances, which help prevent flood damage resulting from hydromodification by limiting surface runoff. In addition, the proposed project would adhere to all standards and requirements identified in CMC Chapter 8 and the project-specific SWPPP, which would require implementation of measures to reduce the potential for flooding on- or off-site. The proposed project would also be subject to LBMC Chapter 18.74, Low Impact Development Standards, and LAMC Article 4.4, Stormwater and Urban Runoff Pollution Control. Thus, adherence with these measures would ensure that impacts are less than significant.

d) As discussed above, the project site and project-related offsite improvements are mapped within Zone "X," indicating an area of reduced flood risk due to levee (FEMA 2023). The proposed project would be subject to the City's Floodplain Management and Stormwater and Urban Runoff Pollution Control Ordinances, which help prevent flood damage resulting from hydromodification by limiting surface runoff. In addition, the

proposed project would adhere to all standards and requirements identified in the CMC Chapter 8 and project-specific SWPPP, which would require implementation of measures that reduce the potential for flood hazards. The proposed project would also be subject to LBMC Chapter 18.74, Low Impact Development Standards, and LAMC Article 4.4, Stormwater and Urban Runoff Pollution Control.

Due to the distance of the City to the Pacific Ocean, Carson has not been vulnerable to storm surge inundation (City of Carson 2023). Based on tsunami inundation maps prepared by CGS, the project site and project-related offsite improvements are not located in a tsunami inundation hazard area and thus, the potential for tsunami effects is considered negligible (CGS 2021). Furthermore, the absence of any large bodies of water within Carson preclude the possibility of damage from seiche effects on the project site (City of Carson 2023). Given the lack of flood hazard, tsunami, or seiche risk in the project area, no impacts would be anticipated.

e) There are no applicable water quality control plan or sustainable groundwater management plans for the project site. As stated above, the project site and project-related offsite improvements are located partially within an urbanized area currently developed with an aggregate recycling center and partially within an open space area. The project site has been previously developed and does not serve as a source of groundwater. Therefore, the proposed project and project-related offsite improvements would not conflict with or obstruct the implementation of a water quality control plan or sustainable groundwater management plan and no impacts would be anticipated.

XI. Land Use and Planning

Issues (and Supporting Information Sources)	*Potentially Significant Impact*	*Less than Significant with Mitigation Incorporated*	*Less-than-Significant Impact*	*No Impact*
LAND USE AND PLANNING— Would the project:				
a) Physically divide an established community?	☐	☐	☐	☒
b) Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?	☐	☐	☒	☐

Discussion

a) The project site and project-related offsite improvements are located partially within an urbanized area and partially within an open space area. The project site and project-related offsite improvements are currently developed as an aggregate recycling center, open space, and the existing SCE Hinson Substation. Development of the proposed project and project-related offsite improvements would not physically divide an established community as the proposed project would develop one parcel surrounded by urbanized uses with uses similar to those in the surrounding area. Thus, the proposed project and project-related offsite improvements would not divide an established community and no impacts would occur.

b) According to the City of Carson General Plan, the project site has a General Plan land use designation of Heavy Industrial and a zoning code designation of Manufacturing Heavy – with Site Plan and Design Review Overlay (MH-D).

Table 11, General Plan Consistency Analysis, analyzes the proposed project's and project-related offsite improvement's consistency with relevant City of Carson General Plan Land Use Element goals and policies; City of Long Beach General Plan Air Quality Element, Land Use Element, and Urban Design Element goals and policies; and City of Los Angeles General Plan Safety Element goals and policies. As demonstrated in Table 11, the proposed project and project-related offsite improvements are consistent with the City of Carson's General Plan Land Use Element; City of Long Beach's General Plan Air Quality, Land Use, and Urban Design Elements; and the City of Los Angeles' General Plan Safety Element.

The City of Carson uses the specific plan process to establish type, location, and character of development to take place on a property (City of Carson 2023). Although a specific plan allows flexibility of development in regard to land use and design concepts, the overall design guidelines are required to follow City of Carson standards. The proposed project would be designed to be compatible with zoning and design regulations as detailed in the specific plan and would adhere to allowable building height and setbacks.

TABLE 11
GENERAL PLAN CONSISTENCY ANALYSIS

Relevant Policies	Project Consistency Analysis
City of Carson's General Plan Land Use Element	
Goal LU-6: A sustainable balance of residential and non-residential development and a balance of traffic circulation throughout the City.	The proposed project would be developed on a site that was previously developed with industrial uses. The proposed use includes a BESS facility which would be in keeping with the previous uses on the project site as well as the surrounding existing industrial uses along Alameda Street. As such, development of the proposed project would not conflict with this goal.
Goal LU-7: Adjacent land uses that are compatible with one another.	The proposed project would be developed on a site that was previously developed with industrial uses. The proposed use includes a BESS facility which would be in keeping with the previous uses on the project site as well as the surrounding existing industrial uses along Alameda Street. As such, development of the proposed project would not conflict with this goal.
Goal SAF-4: Minimize the threat to the public health and safety and to the environment posed by a release of hazardous materials.	As discussed in Section IX (b), compliance with applicable federal, State, and local standards would ensure that no potentially significant impacts related to an accidental release of hazardous materials during construction would occur. During operation, the proposed BESS components would be enclosed (lithium-ion (or similar technology available at the time of construction) batteries would be fully contained within the storage containers, and battery fluids or substances would not be susceptible to spills or release as runoff). Appropriate spill containment and cleanup kits would be maintained during operation of the proposed project. In addition to the HMBP that would be prepared for the proposed project, an SPCC plan and material disposal and solid waste management plan would also be developed for site operations. Additionally, the proposed project would be required to comply with federal, State, and local requirements, further minimizing the potential for an accidental release of hazardous materials. As such, development of the proposed project would not conflict with this goal.
Policy SAF-4.1: Strictly enforce federal, state and local laws and regulations relating to the use, storage, and transportation of toxic, explosive, and other hazardous and extremely hazardous materials to prevent unauthorized discharges.	As discussed in Section IX (a), compliance with the recommendations provided in the Phase I ESA, adherence to the HMBP, and implementation of BMPs, would ensure impacts related to the routine transport, use, or disposal of hazardous materials during construction of the proposed project, would be less than significant. Appropriate spill containment and cleanup kits would be maintained during operation of the proposed project. In addition to the HMBP that would be prepared for the proposed project, a SPCC plan and material disposal and solid waste management plan would also be developed for site operations. In addition, compliance with federal, State and local requirements would serve to minimize health and safety risks to people or structures associated with hazardous materials stored or used for proposed project operations. As such, development of the proposed project would not conflict with this policy.

Relevant Policies	Project Consistency Analysis
Goal SAF-5: Minimize the public hazard from fire emergencies.	As described in Chapter 2, *Project Description*, the proposed battery packs would be NFPA 855 Code compliant, UL Certified, and include built-in failsafe and cooling systems designed to prevent thermal runaway and the spread of fire. A fire protection system would be installed to automatically shut down any affected battery storage components and prevent the spread of the fire to the other battery storage modules in the event of an emergency. In addition, LACFD would review and approve the facility fire protection and suppression plans prior to approval of the proposed project, which would cover all applicable design, construction, and testing requirements of the NFPA 855 Code. As such, development of the proposed project would not conflict with this goal.
City of Long Beach's Air Quality Element	
Goal 7: Reduce emissions through reduced energy consumption.	The proposed project and project-related offsite improvements includes the development of a BESS facility that would assist the State in meeting its GHG emissions reduction goals by 2020 and 2030. The proposed project and project-related offsite improvements would assist with switching away from fossil-fueled generation by allowing renewables to be stored and discharged back to the market when necessary. As such, development of the proposed project and project-related offsite improvements would not conflict with this goal.
Policy 7.1 Energy Conservation. Reduce energy consumption through conservation improvements and requirements.	The proposed project and project-related offsite improvements would assist with reducing fossil-fueled energy produced by allowing renewable energy to be stored and discharged back to the market when necessary. As such, development of the proposed project and project-related offsite improvements would not conflict with this policy.
City of Long Beach's Land Use Element	
Goal 1: Implement sustainable planning and development practices.	The proposed project and project-related offsite improvements includes the development of a BESS facility that would reliably capture and manage renewable energy in an economically feasible and commercially financeable manner. The proposed project and project-related offsite improvements would assist with reducing fossil-fueled energy produced by allowing renewable energy to be stored and discharged back to the market when necessary. As such, development of the proposed project and project-related offsite improvements would not conflict with this goal.
Policy LU 2-1: Promote the establishment of local green energy generation projects along with the infrastructure to support such projects.	The proposed project and project-related offsite improvements includes the development of a BESS facility that would utilize energy storage technology that is efficient, low- maintenance, and is recyclable. The proposed project would include a collector substation as well as a gen-tie line to interconnect the proposed project to the SCE Hinson Substation. As such, development of the proposed project and project-related offsite improvements would not conflict with this policy.

Relevant Policies	Project Consistency Analysis
Policy LU 3-1: Implement land use regulations and economic development strategies that will help diversify the local economy and expand job growth. Accommodate a mix of industries in Long Beach, including high technology, telecommunications, aerospace, green technology, renewable energy, healthcare, higher education, manufacturing, port and shipping, professional services, restaurants, entertainment and the film industry.	The proposed project and project-related offsite improvements includes the development of a BESS facility that would reliably capture and manage renewable energy in an economically feasible and commercially financeable manner. The proposed project and project-related offsite improvements would provide economic benefit to the City, the region, and the State, through construction jobs, property and sales taxes, construction and maintenance services, and increased energy efficiency and reliability. As such, development of the proposed project and project-related offsite improvements would not conflict with this policy.
Policy LU 4-2: Promote the transition of some heavy industrial and manufacturing sites to creative green and sustainable industries.	As discussed in section X (b), portions of the project site were previously developed with a hydrogen gas plant between the early 1960s to the late 1990s. The project site has since been redeveloped for use as an aggregate recycling center. The proposed project and project-related offsite improvements would further the transition of heavy industrial uses to renewable energy production by adding a green and sustainable use to the project site. As such, development of the proposed project and project-related offsite improvements would not conflict with this policy.
City of Long Beach's Urban Design Element	
Policy UD 6-4: Promote sustainability through the use of new technologies and green infrastructure to upgrade city infrastructure systems and equipment. Prioritize areas to retrofit with green infrastructure, Low Impact Development, and Best Stormwater Management Practices.	The proposed project and project-related offsite improvements includes the development of a BESS facility that would reliably capture and manage renewable energy in an economically feasible and commercially financeable manner. The project-related offsite improvements would provide economic benefit to the City, the region, and the State, through construction jobs, property and sales taxes, construction and maintenance services, and increased energy efficiency and reliability. As such, development of the proposed project and project-related offsite improvements would not conflict with this policy.
Policy UD 24-4: Utilize sites away from neighborhoods for more intense industrial uses.	The project site and project-related offsite improvements are not immediately adjacent to any residential uses. The nearest residences to the proposed project are located approximately 350 feet to the west along Pacific Drive. As such, development of the proposed project would not conflict with this policy.
City of Los Angeles' Safety Element	
Policy 1.1.4: Health/Environmental Protection. Protect the public and workers from the release of hazardous materials and protect City water supplies and resources from contamination resulting from release or intrusion resulting from a disaster event, including protection of the environment and public from potential health and safety hazards associated with program implementation.	As discussed in Section IX (b), compliance with applicable federal, State, and local standards would ensure that no potentially significant impacts related to an accidental release of hazardous materials during construction would occur. During operation, the proposed BESS components would be enclosed (lithium-ion (or similar technology available at the time of construction) batteries would be fully contained within the storage containers, and battery fluids or substances would not be susceptible to spills or release as runoff). Appropriate spill containment and cleanup kits would be maintained during operation of the proposed project and project-related offsite improvements. In addition to the HMBP that would be prepared for the proposed project and project-related offsite improvements, an SPCC plan and material disposal and solid waste management plan would also be developed for site operations. Additionally, the proposed project and project-related offsite improvements would be required to comply with federal, State, and local requirements, further minimizing the potential for an accidental release of hazardous materials. As such,

Relevant Policies	Project Consistency Analysis
	development of the proposed project and project-related offsite improvements would not conflict with this policy.
Policy 1.2.2: Renewable Energy. Aggressively pursue renewable energy sources, transitioning away from fossil based sources of energy and toward 100% renewable energy sources.	The proposed project and project-related offsite improvements includes the development of a BESS facility that would reliably capture and manage renewable energy in an economically feasible and commercially financeable manner. The proposed project and project-related offsite improvements would assist with reducing fossil-fueled energy by allowing renewable energy to be stored and discharged back to the market when necessary. As such, development of the proposed project and project-related offsite improvements would not conflict with this policy.

SOURCE: ESA 2023

Based on the analysis above and upon approval of the requested entitlements, the proposed project and project-related offsite improvements would not conflict with applicable goals and policies in the Cities' General Plans or applicable regulations under the Zoning Code. Therefore, the proposed project and project-related offsite improvements would result in less-than-significant impacts.

XII. Mineral Resources

Issues (and Supporting Information Sources)	*Potentially Significant Impact*	*Less than Significant with Mitigation Incorporated*	*Less-than-Significant Impact*	*No Impact*
MINERAL RESOURCES— Would the project:				
a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the State?	☐	☐	☐	☒
b) Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan?	☐	☐	☐	☒

Discussion

a) The project site is located in an urbanized area, on one developed parcel with surrounding mixed industrial uses. The proposed gen-tie line originates at the project site and travels partially through an urbanized area within the City of Carson and City of Los Angeles and partially through an open space area to the SCE Hinson Substation located within the City of Long Beach. According to the Los Angeles County Conservation and Natural Resources Element and the California Department of Conservation (CDC), the project site and project-related offsite improvements are not in Mineral Resource Zone 2 (MRZ-2), as identified in Figure 9.6, Mineral Resources (County of Los Angeles 2015), and the CDC Mineral Lands Classification Map (CDC 2022). MRZ-2 zones are characterized as areas that are underlain by significant measured or indicated mineral resources. Additionally, according to the City of Carson General Plan Open Space and Environmental Conservation Element, the City does not contain any known mineral resources (City of Carson 2023). No mineral extraction or other mining operations have historically or currently occur within the project site and project-related offsite improvements, nor would the proposed project and project-related offsite improvements result in the loss of availability of any known mineral resource. Therefore, no impact to a known mineral resource would occur.

b) No mineral extraction or other mining operations have historically or currently occurred within the project site and project-related offsite improvements, nor would the proposed project and project-related offsite improvements result in the loss of availability of any locally important mineral resource. In addition, the project site and project-related offsite improvements are not identified as an area that contains known mineral resources (City of Carson 2023, Long Beach 1973). Therefore, no impacts would occur to locally important mineral resources.

XIII. Noise

Issues (and Supporting Information Sources)	*Potentially Significant Impact*	*Less than Significant with Mitigation Incorporated*	*Less-than-Significant Impact*	*No Impact*
NOISE— Would the project result in:				
a) Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	☐	☐	☒	☐
b) Generation of excessive groundborne vibration or groundborne noise levels?	☐	☐	☒	☐
c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?	☐	☐	☒	☐

Discussion

a) Noise is defined as unwanted sound; however, not all unwanted sound rises to the level of a potentially significant noise impact. To differentiate unwanted sound from potentially significant noise impacts, the City of Carson has established noise regulations that take into account noise-sensitive land uses. The following analysis evaluates potential noise impacts at nearby noise-sensitive land uses that may result from construction and operation of the proposed project and project-related offsite improvements.

Noise Principles and Descriptors

Sound can be described as the mechanical energy of a vibrating object transmitted by pressure waves through a liquid or gaseous medium (e.g., air). Noise is generally defined as unwanted sound (i.e., loud, unexpected, or annoying sound). Acoustics is defined as the physics of sound. In acoustics, the fundamental scientific model consists of a sound (or noise) source, a receiver, and the propagation path between the two. The loudness of the noise source and obstructions or atmospheric factors affecting the propagation path to the receiver determines the sound level and characteristics of the noise perceived by the receiver. Acoustics addresses primarily the propagation and control of sound (Caltrans 2013a, Section 2.2.1).

Sound, traveling in the form of waves from a source, exerts a sound pressure level (referred to as sound level) that is measured in decibels (dB), which is the standard unit of sound amplitude measurement. The dB scale is a logarithmic scale (i.e., not linear) that describes the physical intensity of the pressure vibrations that make up any sound, with 0 dB corresponding roughly to the threshold of human hearing and 120 to 140 dB corresponding to the threshold of feeling and pain, respectively. In a non-controlled environment, a change in sound level of 3 dB is considered "just perceptible," a change in sound level of 5 dB is considered "clearly noticeable," and a change in 10 dB is perceived as a doubling of sound

volume (Caltrans 2013a, Section 2.1.3). Pressure waves traveling through air exert a force registered by the human ear as sound (Caltrans 2013a, Section 2.1.3).

The typical human ear is not equally sensitive to all frequencies of the audible sound spectrum. As a consequence, when assessing potential noise impacts, sound is measured using an electronic filter that deemphasizes the frequencies below 1,000 hertz (Hz) and above 5,000 Hz in a manner corresponding to the human ear's decreased sensitivity to extremely low and extremely high frequencies. This method of frequency weighting is referred to as A-weighting and is expressed in units of A-weighted decibels (dBA). A-weighting follows an international standard methodology of frequency de-emphasis and is typically applied to community noise measurements (Caltrans 2013a, Section 2.1.3).

An individual's noise exposure is a measure of noise over a period of time, whereas a noise level is a measure of noise at a given instant in time. Community noise varies continuously over a period of time with respect to the contributing sound sources of the community noise environment. Community noise is primarily the product of many distant noise sources, which constitute a relatively stable background noise exposure, with the individual contributors unidentifiable. The background noise level changes throughout a typical day, but does so gradually, corresponding with the addition and subtraction of distant noise sources such as traffic. What makes community noise variable throughout a day, besides the slowly changing background noise, is the addition of short-duration, single-event noise sources (e.g., aircraft flyovers, motor vehicles, sirens), which are readily identifiable to the individual. These successive additions of sound to the community noise environment change the community noise level from instant to instant, requiring the measurement of noise exposure over a period of time to legitimately characterize a community noise environment and evaluate cumulative noise impacts (Caltrans 2013a, Section 2.2.2.1).

The time-varying characteristic of environmental noise over specified periods of time is described using statistical noise descriptors in terms of a single numerical value, expressed as dBA. The most frequently used noise descriptors are summarized below (Caltrans 2013a, Section 2.2.2.2):

L_{eq}: The L_{eq}, or equivalent continuous sound level, is used to describe the noise level over a specified period of time, typically 1-hour, i.e., $L_{eq(1)}$, expressed as L_{eq}. The L_{eq} may also be referred to as the "average" sound level.

L_{max}: The maximum, instantaneous noise level.

L_{min}: The minimum, instantaneous noise level.

L_X: The noise level exceeded for specified percentage (x) over a specified time period; i.e., L_{50} and L_{90} represent the noise levels that are exceeded 50 and 90 percent of the time specified, respectively.

L_{dn}: The L_{dn} is the average noise level over a 24-hour day, including an addition of 10 dBA to the measured hourly noise levels between the hours of 10 p.m. to 7 a.m. to account for nighttime noise sensitivity. L_{dn} is also termed the day-night average noise level or DNL.

CNEL: Community Noise Equivalent Level (CNEL) is the average noise level over a 24-hour day that includes an addition of 5 dBA to the measured hourly noise levels between the evening hours of 7 p.m. to 10 p.m. and an addition of 10 dBA to the measured hourly noise levels between the nighttime hours of 10 p.m. to 7 a.m. to account for noise sensitivity during the evening and nighttime hours, respectively. CNEL and L_{dn} noise levels typically differ by less than 1 dBA and are generally interchangeable.

City of Long Beach Municipal Code

The City of Long Beach has adopted a quantitative Noise Control Ordinance ("noise ordinance", LBMC Chapter 8.80), which sets forth all noise regulations controlling unnecessary, excessive, and annoying noise and vibration in Long Beach. As outlined in Section 8.80.150 of the LBMC, maximum exterior noise levels are based on land use districts. The Long Beach Noise Control Ordinance also governs the time of day that construction work can be conducted. Section 8.80.202 of the noise ordinance prohibits construction, drilling, repair, alteration, or demolition work between the hours of 7:00 p.m. and 7:00 a.m. on weekdays, between the hours of 7:00 p.m. on Friday and 9:00 a.m. on Saturday, and after 6:00 p.m. on Saturday, or at any time on Sundays or federal holidays unless allowed by the Long Beach Noise Control Officer (City of Long Beach 2023). **Table 12, City of Long Beach Exterior Noise Limits**, summarizes the exterior sound level criteria from LBMC Section 8.80.160.

TABLE 12
CITY OF LONG BEACH EXTERIOR NOISE LIMITS

Receiving Land Use District	Time Period	Noise Level (dBA, Leq)
District One	Night: 10:00 p.m. – 7:00 a.m.	45
	Day: 7:00 a.m. – 10:00 p.m.	50
District Two	Night: 10:00 p.m. – 7:00 a.m.	55
	Day: 7:00 a.m. – 10:00 p.m.	60
District Three	Anytime	65
District Four	Anytime	70
District Five	Regulated by other agencies and laws	N/A

NOTES:
District One: Predominantly residential with other land use types present
District Two: Predominantly commercial with other land use types also present
Districts Three and Four: Predominantly industrial with other land use types also present
District Five: Airport, freeways and waterways regulated by other agencies
Districts Three and Four limits are intended primarily for use at their boundaries rather than for noise control within those districts.
SOURCE: City of Long Beach Municipal Code, 1977

City of Long Beach Noise Element

The City of Long Beach Noise Element considers the impacts from producers of stationary noise with standards as shown in **Table 13, City of Long Beach Allowable Noise Exposure from Transportation Sources**, City of Long Beach General Plan Draft Noise Element Allowable Noise Exposure from Transportation Sources (as reproduced from Table N-5 in the Draft Noise Element [2019]).

TABLE 13
CITY OF LONG BEACH ALLOWABLE NOISE EXPOSURE FROM TRANSPORTATION SOURCES

Land Use		**L_{dn} (dBA)**	
Place Type	**Uses**	**Interior[1,2]**	**Exterior[3]**
Open Space Open Space (OS)	Playgrounds, neighborhood parks	N/A	70
	Golf Courses, riding stables, water recreation, cemeteries	N/A	N/A
Neighborhoods Founding and Contemporary Neighborhood (N) Multi-Family Residential-Low (MRF-L) Multi-Family Residential-Moderate (MRF-M)	Single-family, duplex and multiple-family	45	65
	Mobile home park	N/A	65
Mixed Use Neighborhood-serving Center or Corridor-Low (NC-L) Neighborhood-serving Center or Corridor-Low (NC-M) Transit-Oriented Development-Low (TOD-L) Transit-Oriented Development-Moderate (TOD-M)	Single-family	45	65
	Mobile home park	N/A	65
	Multiple-family, mixed use	45	65[4]
	Transient lodging-motels, hotels	45	65
	Sports arenas, outdoor spectator sports	N/A	N/A
	Auditoriums, concert halls, amphitheaters	45	N/A
	Office buildings, business, commercial and professional	50	N/A
Employment Community Commercial (CC) Industrial (I) Neo-Industrial (NI)	Manufacturing, utilities, agriculture	N/A	N/A
	Office buildings, business, commercial and professional	50	N/A
Unique Regional Serving Facility (RSF) Downtown (DT) Waterfront (WF)	Schools, nursing homes, day care facilities, hospitals, convalescent facilities, dormitories	45	65
	Government Facilities – offices, fire stations, community buildings	45	N/A
	Places of Worship, churches	45	N/A
	Libraries	45	N/A
	Multiple-family, mixed-use	45	65[4]
	Utilities	N/A	N/A
	Cemeteries	N/A	N/A

NOTES:

1. Interior habitable environment excludes bathrooms, closets, and corridors.
2. Interior noise standards shall be satisfied with windows in the closed position. Mechanical ventilation shall be provided per Uniform Building Code requirements.
3. Exterior noise level standard to be applied at outdoor activity areas (e.g., private yards, private patio, or balcony of a multifamily residence). Where the location of an outdoor activity area is unknown or not applicable, the noise standard shall be applied inside the property line of the receiving land use.
4. Within the NC-M, TOD-L, TOD-M, DT and WF PlaceType designations, exterior space standards apply only to common outdoor recreational areas. Ldn = Day-Night Average Level dBA = A-weighted decibels N/A = Not Applicable

SOURCE: City of Long Beach General Plan Update Draft Noise Element, 2019

With respect to construction noise, the City of Long Beach General Plan Update Draft Noise Element has the following policies under Strategy No. 12:

- Policy N 12-1: Reduce construction, maintenance, and nuisance noise at the source, when possible, to reduce noise conflicts.
- Policy N 12-2: Continue to limit the allowable hours for construction activities and maintenance operations near sensitive uses.
- Policy N 12-3: As part of the City's Municipal Code, establish noise levels standards based on PlaceType and time of day, to which construction noise shall conform.
- Policy N 12-4: Encourage off-site fabrication to reduce needed onsite construction activities and corresponding noise levels and duration.
- Policy N 12-5: Require that all construction activities incorporate best business practices, such as:
  - Schedule high-noise and vibration-producing activities to a shorter window of time during the day outside early morning hours to minimize disruption to sensitive uses.
  - Grading and construction contractors should use equipment that generates lower noise and vibration levels, such as rubber-tired equipment rather than metal-tracked equipment.
  - Construction haul truck and materials delivery traffic should avoid residential areas whenever feasible.
  - The construction contractor should place noise- and vibration-generating construction equipment and locate construction staging areas away from sensitive uses whenever feasible.
  - The construction contractor should use on-site electrical sources to power equipment rather than diesel generators, where feasible.
  - All residential units located within 500 ft of a construction site should be sent a notice regarding the construction schedule. A sign legible at a distance of 50 ft should also be posted at the construction site. All notices and the signs should indicate the dates and durations of construction activities, as well as provide a telephone number for a "noise disturbance coordinator."
  - A "noise disturbance coordinator" should be established by the project developer. The disturbance coordinator should be responsible for responding to any local complaints about construction noise. The disturbance coordinator should determine the cause of the noise complaint (e.g., starting too early, bad muffler) and should be required to implement reasonable measures to reduce noise levels.
- Policy N 12-6: Continue to provide information bulletins dispersing information on municipal code requirements and recommended best practices.
- Policy N 12-7: Work together with the AQMD to encourage the retirement of older construction equipment in favor of newer, quieter, and less polluting equipment.

City of Carson Municipal Code

CMC Article 5, Chapter 5, details the City's approach to noise control and standards. CMC Section 5500 states the City's intent to adopt the Los Angeles County Municipal Code (LACMC) Noise Control Ordinance (Title 12, Chapter 12.08) as the CMC's own noise control ordinance with some key amendments. LACMC Section 12.08.390(B) sets standards for acceptable exterior noise levels. The standards are intended to protect the community from excessive noise levels that have the potential to: (i) interfere with sleep, communication, relaxation, and enjoyment of property; (ii) contribute to hearing impairment; and (iii) adversely affect the value of property. The standards for exterior noise levels are summarized in **Table 14, City of Carson Exterior Noise Level Standards**. Noise measurement calculations are provided in **Appendix H** of this IS/MND.

TABLE 14
CITY OF CARSON EXTERIOR NOISE LEVEL STANDARDS

Zone	Time Interval	Hourly Equivalent Sound Level (dBA, L_{eq})
I. Noise Sensitive Area	Anytime	45 dBA
II. Residential Properties (nighttime)	10 p.m. to 7 a.m.	45 dBA
Residential Properties (daytime)	7 a.m. to 10 p.m.	50 dBA
III. Commercial Properties (nighttime)	10 p.m. to 7 a.m.	55 dBA
Commercial Properties (daytime)	7 a.m. to 10 p.m.	60 dBA
IV. Industrial Properties	Anytime	70 dBA

SOURCE: LACMC Section 12.08.390

CMC Article 5, Chapter 5, Section 5502, provides a list of amendments added to the LACMC for application in the City of Carson. Section 5502 amends CMC Chapter 12.08, Part 4, to address noise standards for construction activities with nearby residential land uses. Long-term construction (defined as more than 21 days of scheduled work) is permitted Monday through Saturday from 7 a.m. to 8 p.m. given construction does not exceed 65 dBA in single-family residential areas, 70 dBA in multi-family residential areas, and 70 dBA in semi-residential/commercial areas. Construction noise levels take precedence over the noise standards listed in Table 14, above. Section 5502(h) lists amendments to the LACMC for procedures for obtaining a variance from the requirements of CMC Article 5, Chapter 5, which may be granted by the Planning Commission for a period not to exceed 2 years, subject to such terms, conditions and requirements as may be reasonable under the circumstances.

City of Carson General Plan Noise Element

In addition to the previously described CMC provisions, the City has also established noise guidelines in the Noise Element of the City's General Plan that are used for planning purposes (City of Carson 2023). These guidelines are based in part on the community noise compatibility guidelines established by the California State Governor's Office of Planning and Research and are intended for use in assessing the compatibility of various land use types with a range of noise levels (Office of Planning and Research 2017).

Table 15, City of Carson Guidelines for Noise Compatible Land Use, provides the guidelines of land use compatibility for community noise sources. The CNEL noise levels

TABLE 15
CITY OF CARSON GUIDELINES FOR NOISE COMPATIBLE LAND USE

	Community Noise Exposure (CNEL, dB)			
Land Use Categories	**Normally Acceptable**	**Conditionally Acceptable**	**Normally Unacceptable**	**Clearly Unacceptable**
Residential – Low Density	50–60	60–65	65–75	75–85
Residential Multi-Family	50–60	60–65	65–75	75–85
Transient Lodging, Hotel, Motel	50–65	65–70	70–80	80–85
School, Library, Church, Hospital, Nursing Home	50–60	60–65	65–80	80–85
Auditorium, Concert Hall, Amphitheater	N/A	50–65	N/A	65–85
Sports Arena, Outdoor Spectator Sports	N/A	50–70	N/A	70–85
Playground, Neighborhood Park	50–70	N/A	70–75	75–85
Golf Course, Riding Stable, Water Recreation, Cemetery	50–70	N/A	70–80	80–85
Office Building, Business, Commercial, Professional	50–67.5	67.5–75	75–85	N/A
Agriculture, Industrial, Manufacturing, Utilities	50–70	70–75	75–85	N/A

NOTES:

Based on the Governor's Office of Planning and Research, "General Plan Guidelines" 1990. To help guide determination of appropriate land use and mitigation measures vis-a-vis existing or anticipated ambient noise levels.

A = Normally Acceptable: Specified land use is satisfactory, based upon the assumption buildings involved are conventional construction, without any special noise insulation.

C = Conditionally Acceptable: New construction or development only after a detailed analysis of noise mitigation is made and needed noise insulation features are included in project design. Conventional construction, but with closed windows and fresh air supply systems or air conditioning will suffice.

N = Normally Unacceptable: New construction or development generally should be discouraged. A detailed analysis of the noise reduction requirements must be made and noise insulation features included in the design of a project.

U = Clearly Unacceptable: New construction or development should generally not be undertaken.

SOURCE: City of Carson 2002

for specific land uses are classified into four categories: (1) "normally acceptable"; (2) "conditionally acceptable"; (3) "normally unacceptable"; and (4) "clearly unacceptable." A CNEL value of 65 dBA is considered the dividing line between a "conditionally acceptable" and "normally unacceptable" noise environment for noise sensitive land uses, including residences, and schools. A CNEL value of 70 dBA is considered the dividing line between a "normally acceptable" and "normally unacceptable" noise environment for noise sensitive land uses, including neighborhood parks.

Thresholds of Significance

The City of Carson's noise ordinances regulate construction and operational noise. With respect to the community noise assessment, changes in noise levels of less than 3 dBA are generally not discernable to most people, while changes greater than 5 dBA are readily noticeable and would be considered a significant increase. Therefore, the significance threshold for mobile source noise is based on human perceptibility to changes in noise levels (increases) with consideration of existing ambient noise

conditions and City's land use noise compatibility guidelines. Therefore, the proposed project and project-related offsite improvements would result in a significant noise impact if:

- For sensitive receptors located in the City of Carson, project construction activities would generate noise levels in one of the following two conditions: (a) in single-family residential areas that exceed a maximum of 65 dBA for single-family residential uses or a maximum of 70 dBA for multi-family residential, semi-residential, or commercial uses between the hours of 7 a.m. and 8 p.m., Monday through Saturday;
- Project on-site stationary sources (i.e., air conditioning units, pumps) increase existing ambient noise levels at adjacent sensitive receptors by 5 dBA or more if the existing noise levels do not already exceed the City's exterior noise standards, or by 3 dBA or more if the existing noise levels already exceed the City's exterior noise standards or if the resulting noise levels would result in the exceedance of the City's exterior noise standards.
- Project-related off-site traffic increases ambient noise levels by 5 dBA CNEL or more along roadway segments with sensitive receptors, and the resulting noise level occurs on a noise-sensitive land use within an area categorized as "normally acceptable;" or causes ambient noise levels to increase by 3 dBA CNEL or more and the resulting noise occurs on a noise-sensitive land use within an area categorized as "conditionally acceptable," "normally unacceptable," or "clearly unacceptable."

Existing Conditions

The proposed project and project-related offsite improvements are located in an area surrounded by a mix of industrial land uses. Current uses adjoining the project site include an oil refinery to the north, the Dominguez Channel to the east followed by residential uses, and a coke (petroleum) storage facility to the south. Additionally, an approximately 15-foot wall is located east of the proposed gen-tie location along the residential uses. Alameda Street borders the project site to the west, with the UPRR and the former ARCO refinery, now known as the Marathon Los Angeles Refinery, beyond. The project site is zoned MH-D (Manufacturing, Heavy – with Site Plan and Design Review Overlay) with a General Plan Land Use designation of Heavy Industrial.

Noise Sensitive Receptors

The project site is located at 23320 Alameda Street on the east side of Alameda Street south of I-405 and west of the Dominguez Channel. The project site and project-related offsite improvements are surrounded by industrial uses that are not considered noise sensitive. However, the gen-tie line connecting the proposed BESS to the existing SCE Hinson Substation runs parallel to residential land uses that are considered noise sensitive. The following are the sensitive land uses closest to the project site, proposed gen-tie route, and upgrades to the existing SCE Hinson Substation:

- **R1** – Residential land uses approximately 2,650 feet west of the project area, 350 feet to the west of the gen-tie line, and 500 feet to the north of the SCE Hinson Substation connection point.

Construction Noise

Construction of the proposed project and project-related offsite improvements are expected to commence in third quarter of 2024 and would last through first quarter of 2026. The proposed project and project-related offsite improvements consists of construction activities associated with the proposed BESS, proposed gen-tie route, and upgrades to the existing SCE Hinson Substation see Table 2 in section III. Air Quality, for details.

On-Site Construction Activities

Noise from construction activities would be generated by the operation of vehicles and equipment involved during various stages of construction: site preparation, building construction, etc. The noise levels generated by construction equipment would vary depending on factors such as the type and number of equipment, the specific model (horsepower rating), the construction activities being performed, and the maintenance condition of the equipment. To more accurately characterize construction-period noise levels, the average (Hourly L_{eq}) noise level associated with each construction phase is estimated based on the quantity, type, and usage factors for each type of equipment used during each construction phase and are typically attributable to multiple pieces of equipment operating simultaneously. Over the course of a construction day, the highest noise levels would be generated when multiple pieces of construction equipment are operated concurrently.

Consistent with LACMC Section 12.08.440 (which was adopted by reference by the City of Carson), the construction noise levels were estimated at the property line of the closest sensitive receptor location. As previously stated, the project site is surrounded by a mix of industrial uses. The closest sensitive receptors to the project site are the residential uses to the east located approximately 350 feet from the gen-tie location. A 15-foot sound wall is located along the western portion of the residential land uses and would provide up to a 20 dBA reduction in construction noise levels. It is conservatively assumed that multiple equipment would operate simultaneously. In reality, equipment would likely be dispersed throughout the project site; therefore, the noise levels represent a conservative maximum and actual noise levels could be lower. Further, the closest sensitive receptors in each affected area were analyzed and it is assumed that sensitive receptors located at further distances would experience lower noise levels than those disclosed below. Generally, noise attenuates at a rate of 6 dBA for every doubling of distance from the noise source.[6] **Table 16, Construction Equipment and Estimated Noise Levels**, presents the list of construction equipment including approximate quantities per construction phase with reference noise levels.

[6] Noise from a localized source (i.e., point source) propagates uniformly outward in a spherical pattern, referred to as "spherical spreading." Stationary point sources of noise, including stationary mobile sources such as idling vehicles, attenuate (i.e., reduce) at a rate between 6 dBA for acoustically "hard" sites for each doubling of distance from the reference measurement, Caltrans, Technical Noise Supplement, September 2013.

TABLE 16
CONSTRUCTION EQUIPMENT AND ESTIMATED NOISE LEVELS

Construction Phase and Equipment	Noise Level L_{max} at 50 feet (dBA)	Hourly Quantity	Estimated Hourly Noise Level L_{eq} at Residences (dBA) [1]
SCE Upgrades/Interconnection			
Civil Construction	86	1	40
Electrical Construction	83	1	37
Electrical Construction	86	1	40
Electrical Construction	84	1	37
FO Cable Construction	80	1	37
FO Cable Construction	83	1	36
BESS			
Site Preparation	87	1	48
Collector Substation Site Preparation	85	1	47
BESS Grading	88	1	48
Collector Substation Grading	87	1	44
Battery/Container Installation & Collector Substation Construction/Installation	93	1	51
Gen-Tie Trenching	86	1	44
Gen-Tie Duct Bank and Vault Installation	87	1	46
Gen-Tie Jack-and-Bore	85	1	46
Gen-Tie Road Resurface and Clean Up	85	1	46
Decommissioning	89	1	50
Overlapping Phases			
Site Preparation & Collector Substation Site Preparation & BESS Grading & Collector Substation Grading			53.4
Collector and Battery Installation & Gen-Tie Trenching & Gen-Tie Duct Bank Vault Installation			52.8
Collector and Battery Installation & Gen-Tie Jack-and-Bore			52.0
Maximum Combined Noise Levels	**—**	**—**	**53.4**
Significant Threshold			**65**
Significant Impact?			**No**

NOTES:

Noise Levels at 50 feet and Usage Factor are derived from Federal Highway Administration's Roadway Construction Noise Model User's Guide. Usage factors are the ratio of the time that a piece of equipment is in use to the total time that it could be in use. Usage factors are typically attributable to multiple pieces of equipment operating simultaneously.

1. An existing 15 foot wall is located east of the proposed gen-tie location along the residential uses and provides a 20 dBA reduction in noise.

SOURCE: ESA 2023

The estimated noise levels, shown in Table 16**,** assumes the project contractor(s) would equip the construction equipment, stationary or mobile, with properly operating and maintained noise mufflers, consistent with the manufacturers' standard operation procedures. These assumptions represent a worst-case noise scenario as all construction equipment used in a given phase would not typically operate concurrently and at full power, and the location of activities is routinely spread across the construction site, rather than concentrated close to the nearest noise-sensitive receptors.

As shown in Table 16**,** estimated construction noise levels at the off-site receptors in the vicinity of the project site range from 37 to 53.4 dBA L_{eq}. CMC Section 12.08, Part 4, limits construction noise levels to 65 dBA L_{eq} for semi-residential receptors between the hours of 7 a.m. and 8 p.m. Similarly, LBMC Section 8.80.202 of the noise ordinance prohibits construction, drilling, repair, alteration, or demolition work between the hours of 7:00 p.m. and 7:00 a.m. on weekdays, between the hours of 7:00 p.m. on Friday and 9:00 a.m. on Saturday, and after 6:00 p.m. on Saturday, or at any time on Sundays or federal holidays unless allowed by the Long Beach Noise Control Officer (City of Long Beach 2020). Construction noise levels per phase would not exceed 65 dBA L_{eq} at the nearest sensitive source and impacts would be less than significant.

As stated earlier, CMC Article 5, Chapter 5, Section 5502, provides a list of amendments added to the LACMC for application in the City of Carson. Section 5502(c) amends CMC Chapter 12.08, Part 4, to address noise standards for construction activities with nearby residential land uses. Long-term construction (defined as more than 21 days of scheduled work) is permitted Monday through Saturday from 7 a.m. to 8 p.m. given construction does not exceed 65 dBA in single-family residential areas, 70 dBA in multi-family residential areas, and 70 dBA in semi-residential/commercial areas.

The proposed project and project-related offsite improvements would comply with LACMC Section 12.08.440 and CMC Section 7-12.22; the proposed project's construction activities, including delivery and haul routes, would be prohibited between the hours of 7 p.m. and 7 a.m. Monday through Saturday or any time on Sundays or holidays.

Therefore, with respect to a violation of the noise standards and regulations established in the CMC, noise impacts during construction of the proposed project and project-related offsite improvements would be less than significant. No mitigation is required.

Off-Site Construction Activities

During all phases of construction, haul and vendor truck trips would be required to bring construction materials and building debris to and from the project site. The temporary addition of the number of trips required per day during construction activities would not result in a doubling of trips along access roads leading to the project site. Therefore, the increase in noise level would be substantially less than the threshold of a 5 dBA increase in an area characterized by normally acceptable and conditionally acceptable noise levels or a 3 dBA increase in an area characterized by conditionally unacceptable or normally

unacceptable noise levels. In order to increase traffic noise levels by 3 dBA, the traffic volumes with the proposed project and project-related offsite improvements would need to double from the "Existing" to the "with Project" conditions. The proposed project and project-related offsite improvements would not cause traffic volumes to double as a result of implementation and operation. Additionally, the off-site haul truck activities are temporary in nature and would only take place for 18 months after which the proposed project and project-related offsite improvements would cease to have any significant lasting noise impact on the surrounding areas. Therefore, off-site construction traffic noise impacts would be less than significant and no mitigation measures would be required.

Operational Noise

The existing noise environment in the project vicinity is dominated by traffic noise from nearby roadways, as well as nearby commercial activities. Long-term operation of the proposed project and project-related offsite improvements would have a minimal effect on the noise environment in proximity to the project site and project-related offsite improvements. The proposed project and project-related offsite improvements would be unoccupied and monitored remotely. Minimal periodic visits would be conducted for on-site equipment inspections, monitoring, and testing.

Off-Site Traffic Noise

As stated above, the proposed project and project-related offsite improvements would result in minimal trips to/from the project site and project-related offsite improvements for periodic maintenance and would not result in a doubling of trips along roadways in the project vicinity. Therefore, the increase in noise level would be substantially less than the threshold of a 5 dBA increase in an area characterized by normally acceptable and conditionally acceptable noise levels or a 3 dBA increase in an area characterized by conditionally unacceptable or normally unacceptable noise levels and impacts would be less than significant.

On-Site Operational Noise

Typical operation and maintenance activities that would occur on the project site during operation include, but are not limited to, liaison and remote monitoring administration and reporting; semi-annual and annual services; remote operations of batteries, inverters, substation, and site security and management; additional communication protocols; and repair and maintenance of the proposed BESS, electrical transmission lines, and other proposed project facilities. The electrical equipment; heating, ventilation, and air conditioning; fire protection systems; and security would be automated and monitored remotely. The project site would be unoccupied but would be visited periodically through the year for equipment inspections, monitoring and testing, and maintenance as needed. Batteries and various components would be replaced or renewed as necessary to ensure optimal performance.

Mechanical equipment and the BESS would be housed within on-site structures that would limit noise emission and would not generate considerable noise from operation. Further, the project site is located in an industrialized area that does not have any nearby sensitive receptors. Therefore, impacts from on-site operational noise would be less than significant.

b) The proposed project and project-related offsite improvements would be constructed using typical construction techniques. As such, it is anticipated that the equipment to be used during construction would not expose persons to or generate excessive groundborne vibration. Post-construction on-site activities would be limited to industrial uses that would not generate excessive groundborne vibration.

Vibration Principles and Descriptors

Groundborne vibration from development is primarily generated from the operation of construction equipment and from vehicle traffic. Groundborne vibration propagates from the source through the ground to adjacent buildings by surface waves. Vibration energy dissipates as it travels through the ground, causing the vibration amplitude to decrease with distance away from the source. Vibration in buildings is typically perceived as rattling of windows, shaking of loose items, or the motion of building surfaces. The vibration of building surfaces also can be radiated as sound and heard as a low-frequency rumbling noise, known as groundborne noise. Vibration levels for potential structural damage is described in terms of the peak particle velocity (PPV) measured in inches per second (in/sec).

Groundborne vibration is generally limited to areas within a few hundred feet of certain types of industrial operation and construction activities such as pile driving. Road vehicles rarely create enough groundborne vibration amplitude to be perceptible to humans unless the receiver is in immediate proximity to the source or the road surface is poorly maintained and has potholes or bumps. If traffic, typically heavy trucks, does induce perceptible building vibration, it is most likely an effect of low-frequency airborne noise or ground characteristics.

Building structural components also can be excited by high levels of low-frequency airborne noise (typically less than 100 Hz). The many structural components of a building, excited by low-frequency noise, can be coupled together to create complex vibrating systems. The low-frequency vibration of the structural components can cause smaller items such as ornaments, pictures, and shelves to rattle, which can cause annoyance to building occupants.

Human sensitivity to vibration varies by frequency and by receiver. Generally, people are more sensitive to low-frequency vibration. Human annoyance also is related to the number and duration of events; the more events or the greater the duration, the more annoying it becomes. Groundborne vibration related to human annoyance is generally related to root mean square (rms) velocity levels and expressed as velocity in decibels (VdB).

Regulatory Framework

The City of Carson does not address vibration either in its respective municipal codes or in the Noise Element of the General Plan. With respect to groundborne vibration from construction activities, Caltrans has adopted guidelines/recommendations to limit groundborne vibration based on the age and/or condition of the structures that are located in close proximity to construction activity. With respect to residential and commercial structures, Caltrans' technical publication, titled Transportation- and Construction-Induced Vibration Guidance Manual, provides a vibration damage potential threshold criteria of 0.5 inches per second PPV for historic and older buildings, 1.0 inch-per-second PPV for newer residential structures, and 2.0 inches per second PPV for modern industrial/commercial buildings. In addition, the guidance also sets 0.035 PPV as the threshold for "distinctly perceptible" human response to steady state vibration (Caltrans 2013b).

According to the Federal Transit Administration, ground vibrations from construction activities very rarely reach the level that can damage structures. A possible exception is the case of old, fragile buildings of historical significance where special care must be taken to avoid damage. The construction activities that typically generate the most severe vibrations are blasting and impact pile driving, which would not be used for the proposed project and project-related offsite improvements. The proposed project and project-related offsite improvements would use construction equipment such as skid steer loaders and excavators, which would generate groundborne vibration during excavation and foundation activities. Based on the vibration data by the Federal Transit Administration, typical vibration velocities from the operation of a large bulldozer would be approximately 0.089 inches per second PPV at 25 feet from the source of activity, 0.031 inches per second PPV at 50 feet distance, and 0.011 inches per second PPV at 100 feet distance.

Construction Vibration

The nearest off-site single-family residential buildings are located approximately 350 feet to the east along N. Springdale Drive. At a distance of 50 feet, the maximum vibration level (using large bulldozer as an example, as shown above) would be reduced from the level measured at 25 feet and would be well below the Caltrans construction vibration structure damage criteria as the proposed project and project-related offsite improvements would not generate vibration levels at nearby buildings that would exceed the 0.5 inches per second PPV structural damage threshold or the 0.035 inches per second PPV "distinctly perceptible" human response threshold. Therefore, construction vibration impacts would be less than significant and mitigation measures are not required.

Operational Vibration

Once construction activities have been completed, there would be no substantial sources of vibration activities from the project site and project-related offsite improvements. The operations of the proposed project and project-related offsite improvements would include industrial-grade stationary mechanical and electrical equipment, such as batteries installed in racks, inverters, medium-voltage (MV) transformers, switchgear, a collector

substation, and other associated equipment to interconnect into the existing SCE Hinson Substation.

Groundborne vibration generated by each of the above-mentioned equipment and activities would generate approximately up to 0.0014 inches per second PPV at locations adjacent (within 50 feet) to the project site (ASHRAE 1999). The potential vibration levels from all proposed project operational sources at the closest existing building and human annoyance receptor locations would be less than the significance criteria for building damage and human annoyance of 0.5 inches per second PPV and 0.035 inches per second PPV, respectively as the closest sensitive receptors are approximately 50 feet away from the project site. As such, vibration impacts associated with operation of the proposed project and project-related offsite improvements would be less than significant, and no mitigation measures are required.

c) The project site and project-related offsite improvements is located approximately 4.5 miles from the Compton/Woodley Airport, 3.3 miles from Long Beach International Airport and Torrance/Zamperini Field. However, the project site is located outside of these airports' 65 dBA CNEL noise contour and outside of the airport influence area. Therefore, construction or operation of the proposed project and project-related offsite improvements would not expose people to excessive airport related noise levels and impacts would be less than significant.

XIV. Population and Housing

Issues (and Supporting Information Sources)	*Potentially Significant Impact*	*Less than Significant with Mitigation Incorporated*	*Less-than-Significant Impact*	*No Impact*
POPULATION AND HOUSING— Would the project:				
a) Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	☐	☐	☒	☐
b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?	☐	☐	☐	☒

Discussion

a) A project could induce population growth in an area directly or indirectly. For example, direct population growth can occur by introducing new businesses or residential areas and indirect growth by extending roads or other infrastructure. The project site is located in an urbanized area and is currently developed as an aggregate recycling center. The proposed gen-tie line originates at the project site and travels partially through an urbanized area within the City of Carson and City of Los Angeles and partially through an open space area to the SCE Hinson Substation located within the City of Long Beach. Given this use, which are not residential in nature, the proposed project and project-related offsite improvements would not induce direct population growth.

During construction of the proposed BESS component, up to 75 individuals would be employed and the average daily workforce onsite is anticipated to be 50 individuals. However, additional jobs would not increase the population because construction employees are anticipated to be drawn from existing residents of the region, the population of which would be consistent with the population growth projections provided in the 2020–2045 RTP/SCS (SCAG 2020). Therefore, construction of the proposed project and project-related offsite improvements would have a less-than-significant impact on the inducement of unplanned population and employment growth.

The proposed project and project-related offsite improvements would serve the existing area population. Employment opportunities during operation of the proposed project and project-related offsite improvements are not anticipated to substantially increase the population or housing in the area, since the employees would likely already live in or near the existing urbanized project area or consist of regional commuters. The proposed electrical equipment; heating, ventilation, and air conditioning; fire protection systems; and security would be automated and monitored remotely. Periodic in-person inspections would occur as needed, as part of a security contract. The project site would not require any on-site employment but would be visited periodically through the year for equipment inspections, monitoring and testing, and maintenance. Further, indirect growth from extension of roads and infrastructure would not be anticipated, as the proposed project and project-related offsite improvements would not add new roadways. Therefore, the

proposed project and project-related offsite improvements would not result in a substantial population increase during operation, and impacts would be less than significant.

b) The project site is located is currently developed as an aggregate recycling center and surrounded by mixed industrial uses. The proposed gen-tie line originates at the project site and travels partially through an urbanized area within the City of Carson and City of Los Angeles and partially through an open space area to the SCE Hinson Substation located within the City of Long Beach. No residential uses are located on the project site or project-related offsite improvements. Therefore, no impacts related to the displacement of substantial quantity of existing residences would occur.

XV. Public Services

Issues (and Supporting Information Sources)	*Potentially Significant Impact*	*Less than Significant with Mitigation Incorporated*	*Less-than-Significant Impact*	*No Impact*
PUBLIC SERVICES— Would the project:				
a) Result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered government facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or other performance objectives for any of the following public services:				
i) Fire protection?	☐	☐	☒	☐
ii) Police protection?	☐	☐	☒	☐
iii) Schools?	☐	☐	☐	☒
iv) Parks?	☐	☐	☐	☒
v) Other public facilities?	☐	☐	☐	☒

Discussion

a.i) LACFD serves the City of Carson and responds from six fire stations located within the City. The closest station to the project site and project-related offsite improvements is LACFD Station 127, approximately 0.9 miles to the northwest located at 2049 E 223rd Street. LACFD would provide primary fire protection services to the project site and project-related offsite improvements. The City of Los Angeles Fire Department (LAFD) and Long Beach Fire Department (LBFD) would provide fire protection services to the project-related offsite improvements.

Construction

Construction of the proposed project and project-related offsite improvements could increase the potential for on-site fires from such sources as the operation of mechanical equipment, the use of flammable construction materials, or the careless disposal of cigarettes. However, implementation of "good housekeeping" procedures by the construction contractors and the work crews would minimize fire hazards associated with the construction of the proposed project and project-related offsite improvements. Such measures would be in effect during construction of the proposed project and project-related offsite improvements.

Construction activities could also have the potential to affect fire protection services, such as emergency vehicle response times, by adding construction traffic to the street network and by partial lane closures during utility installations and construction staging. However, these impacts would be less than significant, as the Applicant would be required to implement a traffic management plan that would ensure that at least one lane remains open and emergency access is maintained during construction. In addition, any lane closures that would occur would require review and approval by the LACFD.

Implementation of a traffic management plan would minimize the effects of construction on vehicular traffic, including emergency vehicles, and assist in the orderly flow of vehicular circulation in the area of the proposed project and project-related offsite improvements.

In summary, construction of the proposed project and project-related offsite improvements would be temporary in nature and, thus, would not require additional fire protection and emergency services to the extent that there would be a need for new or expanded fire facilities in order to maintain acceptable service ratios, response times, or other performance objectives of the LACFD, LAFD, and LBFD. Therefore, construction-related impacts to fire protection services would be less than significant.

Operation

The proposed project and project-related offsite improvements would develop a currently developed site with a BESS, proposed gen-tie route, and upgrades to the existing SCE Hinson Substation. The proposed project and project-related offsite improvements would primarily be served by the LACFD Station 127, approximately 0.9 miles to the northwest located at 2049 East 223rd Street in the City of Carson. The LAFD and LBFD would provide fire protection to the project-related offsite improvements. The proposed battery packs would be NFPA 855 Code compliant and include built-in failsafe and cooling systems designed to prevent thermal runaway and the spread of fire. A fire protection system would be installed to automatically shut down any affected battery storage components and prevent the spread of the fire to the other battery storage modules in the event of an emergency. The LACFD would review and approve the facility fire protection and suppression plans prior to approval of the proposed project and project-related offsite improvements. Furthermore, as required by the California Health and Safety Code, the proposed project and project-related offsite improvements would be required to comply with all requirements pertaining to fire protection systems, such as the adequate provisions of fire extinguishers, emergency response notification systems, and fire flows. With adherence to California Health and Safety Code, LACFD, LAFD, and LBFD standards and regulations, the proposed project and project-related offsite improvements would install adequate fire protection systems and, thus, would not result in the need for new or physically altered governmental facilities, the construction of which could cause a significant environmental impact. Therefore, impacts to fire protection services would be less than significant.

a.ii) Police protection services for the project site and project-related offsite improvements are primarily provided by the Los Angeles County Sheriff (LASD)'s Carson Station jurisdiction. The project site and project-related offsite improvements are within the Carson Station's service area which is located approximately 2.3 miles northwest of the project site at 21356 S. Avalon Boulevard. The City of Long Beach Police Department (LBPD) and City of Los Angeles Police Department (LAPD) would provide police protection services to the project-related offsite improvements.

The energy storage facility would feature a contemporary 24-hour security system including video surveillance monitoring. Fencing would be installed around the perimeter of the project site and project-related offsite improvements to prevent access by the public. An access gate would be installed at the project site entrance along South Alameda Street with the rest of the site fully enclosed. The gate would remain locked at all times when maintenance workers are not present at the site. Limiting access to the project site and project-related offsite improvements would ensure the safety of the public and protect the equipment from potential theft and vandalism. Thus, implementation of the proposed project and project-related offsite improvements would not significantly increase demand for police protection services provided by the LASD, LBPD, or LAPD. In addition, the proposed project would be subject to site plan review by the City of Carson prior to approval of the proposed project to ensure that it meets City requirements in regard to safety (e.g., nighttime security lighting); thus, discouraging criminal activity and reducing demand for police protection services. As such, the proposed project would not require LASD, LBPD, or LAPD to expand or construct new stations to serve the project site and project-related offsite improvements and impacts would be less than significant.

a.iii) During construction, construction workers would be temporarily present on the project site and project-related offsite improvements. There would be a peak workforce of 75 workers; however, the average daily workforce is expected to be 50 construction, supervisory, support, and construction management personnel onsite during the up to 12-month construction period for the proposed project. These construction workers would likely come from an existing local and/or regional construction labor force and would not likely relocate their households as a consequence of working on the proposed project and project-related offsite improvements. Therefore, the short-term increased employment of construction workers on the project site and project-related offsite improvements would not result in a notable increase in the residential population of the area surrounding the proposed project and project-related offsite improvements. Furthermore, during proposed project operations, the project site and project-related offsite improvements would be unoccupied except for periodic in-person inspections, monitoring, and maintenance as needed. Accordingly, there would not be a corresponding demand or use of the local schools. Therefore, no impact would occur.

a.iv) The City of Carson contains approximately 599 acres of open space and parkland. This includes neighborhood and community parks, golf courses, a Blimp Port, as well as drainage courses and utility transmission corridors (City of Carson 2004). Further, 243 acres of recreational open space is provided by both California State University Dominguez Hills and public schools located in the city (City of Carson 2004). The City's standard for permanent public open space is 4 acres per 1,000 residents. The closest park to the proposed project is Silverado Park, located approximately 0.85 mile east of the project site and project-related offsite improvements at the corner of Santa Fe Avenue and West 31st Street. Project employees are not anticipated to make use of the Silverado Park or other nearby parks in the cities of Carson, Los Angeles, or Long Beach to an extent that would affect its performance. The proposed project would develop industrial

uses and project-related offsite improvements and once operational would be unoccupied except for periodic in-person inspections, monitoring, and maintenance as needed. The proposed project would not introduce inhabitants to the project area that would increase the need for parks or recreational facilities in the vicinity of the project site or project-related offsite improvements. Therefore, no impact would occur.

a.v) As discussed above, the proposed project and project-related offsite improvements would not introduce inhabitants to the project area and thus, would not require the expansion of library facilities in the vicinity of the project site. Therefore, no impact would occur.

XVI. Recreation

Issues (and Supporting Information Sources)	*Potentially Significant Impact*	*Less than Significant with Mitigation Incorporated*	*Less-than-Significant Impact*	*No Impact*
RECREATION				
a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	☐	☐	☐	☒
b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	☐	☐	☐	☒

Discussion

a) As discussed above, the City of Carson contains approximately 599 acres of open space and parkland. This includes neighborhood and community parks, golf courses, a Blimp Port, as well as drainage courses and utility transmission corridors (City of Carson 2004). Further, 243 acres of recreational open space is provided by both California State University Dominguez Hills and public schools located in the city (City of Carson 2004). The City's standard for permanent public open space is 4 acres per 1,000 residents. The closest park to the proposed project is Silverado Park, located approximately 0.85 mile east of the project site and project-related offsite improvements at the corner of Santa Fe Avenue and West 31st Street. Project employees are not anticipated to make use of the Silverado Park to an extent that would affect its performance. The proposed project and project-related offsite improvements would develop industrial uses and once operational would be unoccupied except for periodic in-person inspections, monitoring, and maintenance as needed. The proposed project and project-related offsite improvements would not introduce inhabitants to the project area that would increase the use of existing neighborhood or regional parks or other recreational facilities in the vicinity of the project site and project-related offsite improvements. Therefore, no impact would occur.

b) The proposed project and project-related offsite improvements would not include the construction or expansion of recreational facilities. In addition, the proposed project and project-related offsite improvements would not introduce inhabitants to the project area and thus, would not require the construction or expansion of recreation facilities. Therefore, no impact would occur.

XVII. Transportation

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

Discussion

a) The project site is located is currently developed as an aggregate recycling center and surrounded by mixed industrial uses. The proposed gen-tie line originates at the project site and travels partially through an urbanized area within the City of Carson and City of Los Angeles and partially through an open space area to the SCE Hinson Substation located within the City of Long Beach. The project site is bordered by Alameda Street to the west, industrial uses to the north and south, and the Dominguez Channel to the east. Access to the project site would be provided by an existing driveway on Alameda Street between East Sepulveda Boulevard and East 223rd Street.

The project site is located adjacent to a variety of existing transportation facilities. I-405 provides the primary regional access to the project site; major arterials that would be used for local access to the project site include East Sepulveda Boulevard and East 223rd Street in the east/west direction and Alameda Street in the north/south direction. With respect to roadways, the Transportation and Infrastructure Element of the City of Carson General Plan mainly considers roadway classifications as defined in the Carson Master Plan of Streets (e.g., local streets, collector streets), designated truck facilities, and traffic operations standards based on the concept of level of service (LOS). The proposed project and project-related offsite improvements does not propose changing any roadway classifications or established truck routes. Furthermore, the LOS measure used to govern roadway operations in the General Plan is no longer used in CEQA to determine the significance of a transportation impact. CEQA Guidelines Section 15064.3(b), which was adopted in December 2018 by the California Natural Resources Agency, require lead agencies to evaluate transportation impacts based on VMT. Project consistency with CEQA Guidelines Section 15074.3(b) is discussed below under Section XVII (b).

No transit routes are located adjacent to the project site or project-related offsite improvements. The nearest transit route is Long Beach Transit Route 8, located approximately 0.8 mile northwest of the project site. As detailed in the City of Carson Master Plan of Bikeways and the Los Angeles Metropolitan Transportation Authority's

(Metro) Active Transportation Strategic Plan, there are a few bike lanes and bike routes planned near the project site, including a planned extension of the bike path along the eastern side of the Dominguez Channel, east of I-405 (City of Carson 2013; Metro 2016). There is an existing flood control easement that separates the Dominguez Channel from existing development where the bike path could be located.

An increase in traffic would occur during construction of the proposed project and project-related offsite improvements; however, this increase would be temporary and would cease upon conclusion of project construction. In addition, the 175-foot-tall gen-tie poles would not be constructed in the flood control easement and thus, would not impact the proposed Dominguez Channel bike path. Operation of the proposed project and project-related offsite improvements would include occasional maintenance and landscaping trips to and from the project site and project-related offsite improvements; however, there would be no full-time on-site employees during operation. The increase in both construction and operational traffic would be considered a less than significant impact. Implementation of the proposed project and project-related offsite improvements would not remove or impede access to existing bicycle facilities, sidewalks, or transit services adjacent to or near the project site or project-related offsite improvements, nor would it affect future planned bicycle facility improvements along other nearby roadways or the Dominguez Channel. The proposed project and project-related offsite improvements does not include changes to roadways or design features that would conflict with the performance or safety of alternative transportation facilities. Therefore, impacts related to program plans, ordinances, or policies addressing the circulation system would be less than significant.

b) As detailed in Section XVII (a), operation of the proposed project and project-related offsite improvements would include occasional maintenance and landscaping trips to and from the site but would not include any full-time on-site employees during operation. Therefore, the proposed project and project-related offsite improvements would not generate excessive VMT in the project vicinity or region and would not conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b). Project impacts related to VMT would be less than significant.

c) An impact would occur if the proposed project and project-related offsite improvements substantially increased hazards due to a design feature. A review of existing site conditions and nearby roadways determined that there are no existing hazardous design features, such as sharp curves, non-standard driveways, or dangerous intersections, on–site or within the vicinity of the project site or project-related offsite improvements. The proposed project and project-related offsite improvements would not introduce any such design hazards or include any uses that are incompatible with normal traffic operations. The proposed project would provide direct access to and from Alameda Street from the existing driveway along the proposed project's western boundary. The proposed project driveway approach would be stop-controlled (i.e., not signalized). Internal circulation on the project site would be provided by an access road that would include a lane in both directions. The design of the proposed project would be required to comply with all

applicable State and City regulations regarding minimum clearances. Furthermore, the proposed BESS component of the project would not involve changes in the alignment of Alameda Street and the proposed project would be consistent with existing industrial uses in the area. Therefore, the proposed project and project-related offsite improvements would not result in a traffic safety hazard due to any design features or incompatible uses. Impacts related to traffic hazards or incompatible uses would be less than significant.

d) A significant impact would occur if the design of the proposed project and project-related offsite improvements would not satisfy local emergency access requirements. As analyzed in Section IX, *Hazards and Hazardous Materials*, above, primary access to the project site would be provided from Alameda Street and would not result in any permanent alterations to vehicular circulation routes or obstruct public access along adjacent roadways that would result in inadequate emergency access. All construction staging would occur within the boundaries of the project site and project-related offsite improvements and would not interfere with circulation along the adjacent roadways, or any other nearby roadways. The City has prepared a Multi-Hazard Functional Plan (1996) for emergency response within the city. The plan identifies emergency protocol, critical meeting areas, and emergency evacuation routes. The four major freeways (I-405, SR-91, I-110, and I-710) as well as arterial streets with right-of-way widths from 80 to 100 feet at one-half mile intervals would serve as potential evacuation routes during a disaster. Potential evacuation routes that are located near the site include East Sepulveda Boulevard and Alameda Street. The project site and project-related offsite improvements are not located directly along an evacuation route and operations under the proposed project and project-related offsite improvements would not interfere with an adopted emergency response plan or emergency evacuation plan. Therefore, impacts related to emergency access would be less than significant.

XVIII. Tribal Cultural Resources

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

This section is based, in part, on the Avocet Energy Storage Project Cultural Resources Assessment Report, prepared by ESA, dated January 2024 (refer to **Appendix D** of this IS/MND).

Discussion

a.i, a.ii) **Less than Significant Impact with Mitigation Incorporated**. The tribal cultural resource analysis is based on a Sacred Lands File (SLF) search conducted by the California Native American Heritage Commission (NAHC), a cultural resources records search through the South Central Coastal Information Center (SCCIC), a pedestrian survey of the project site and project-related offsite improvements, consultations between the City and Native American tribes pursuant to Assembly Bill (AB) 52, as well as the Cultural Resources Assessment Report prepared by ESA that is provided in **Appendix D** of this IS/MND. Native American consultation documentation related to AB 52 consultations is provided in **Appendix I** of this IS/MND.

As discussed above in Section V. (Cultural Resources) of this IS/MND, the pedestrian survey and SLF search yielded negative results. However, the records search through the SCCIC indicates that two archaeological resources were previously recorded in the vicinity of the project site and project-related offsite improvements. The first resource is CA-LAN-2682, also known as the Arco Burial Site, and is described as consisting of shell midden soils and over 500 shell beads, projectile points, bone awls, glass trade beads, steatite pipe fragments and other steatite objects, as well as multiple human burials. The second resource is P-19-187085/Mojave Road which is designated as California Historical Landmark No. 963. The resource has been described as an Indian trail, a federal government supply, a freight and emigrant wagon route, and a recreational trail. Additional archival research indicates that the Native American village of *Suangna*

is located within the City's boundaries and was originally part of the Rancho San Pedro land grant. A plaque commemorating the site of *Suangna* is located in the present-day Watson Industrial Park in Carson (ESA 2024).

As discussed above in Section V. (Cultural Resources) of this IS/MND, ESA implemented an archaeological test excavation program to determine whether resource CA-LAN-2682 extended onto the project site by excavating seven mechanical trenches and 16 Shovel Test Pits or Hand Auger Bores in the western portion of the project site. A Native American representative from the Gabrieleño Band of Mission Indians-Kizh Nation (Kizh Nation/Tribe) was present to monitor the archaeological test excavation effort. One possible fused shale flake artifact and several unmodified marine and estuarine shellfish specimens were recovered from many excavation units from the test excavation effort. However, these materials were found in heavily disturbed contexts intermixed with modern refuse items (e.g., red brick fragments, bottle glass fragments, concrete chunks, rusted nails). These materials were found in contexts that had been redeposited as fill for the project site; therefore, it is not possible to definitively classify them as prehistoric artifacts or ecofacts that may be associated with resource CA-LAN-2682/P-19-2682 or another prehistoric resource. No human remains or tribal cultural resources were recovered during the test excavation effort.

The City conducted consultation with Native American tribes pursuant to AB 52 to identify known tribal cultural resources within or near the project site and project-related offsite improvements (see **Appendix I** of this IS/MND). On August 4, 2023, the City sent project notification emails to the designated representatives of six California Native American tribes (eight contacts in total) (**Table 17, Summary of AB 52 Consultation**). The emails provided brief descriptions of the proposed project, a map, the lead agency's contact information, and a request for the tribes to respond within 30 days to request consultation pursuant to Public Resources Code section 21080.3.1.

One request for consultation was received to date. In a letter dated August 29, 2023, Chairman Andrew Salas of the Kizh Nation requested consultation. On October 13, 2023, representatives of the Kizh Nation consulted with the City via a phone call. The City provided an overview of the proposed project and project-related offsite improvements and the Kizh Nation provided their knowledge of the project site vicinity, including information about the natural environment and general history of the area, and known villages and trade routes/trails in the area. After the consultation call, the Tribe provided the City with the several documents via email that included information regarding prehistoric and Native American resources in the area.

TABLE 17
SUMMARY OF AB 52 CONSULTATION

Tribe	Contact/Title	Date Email Sent	Response
Gabrieleño Band of Mission Indians-Kizh Nation	Andrew Salas, Chairperson	08/04/2023	Requested consultation on 08/29/2023.
Gabrieleño Band of Mission Indians-Kizh Nation	Christina Swindall Martinez	08/04/2023	Requested consultation on 08/29/2023.
Gabrielino Tongva Indians of California Tribal Council	Robert Dorame, Chairperson	08/04/2023	No response
Gabrielino Tongva Nation	Sandonne Goad, Chairperson	08/04/2023	No response
Santa Rosa Band of Cahuilla Indians	Lovina Redner, Tribal Chair	08/04/2023	No response
Gabrieleno Tongva San Gabriel Band of Mission Indians	Anthony Morales, Chairperson	08/04/2023	No response
Soboba Band of Luiseno Indians	Joseph Ontiveros, Tribal Historic Preservation Officer	08/04/2023	On 08/14/2023, the tribe deferred to Gabrieleno Tongva San Gabriel Band of Mission Indians
Soboba Band of Luiseno Indians	Jessica Valdez, Cultural Resource Specialist	08/04/2023	On 08/14/2023, the tribe deferred to Gabrieleno Tongva San Gabriel Band of Mission Indians

While the Kizh Nation did not identify or provide information regarding any known tribal cultural resources (as defined in PRC Section 21074) within the project site or project-related offsite improvements during consultation with the City, they have indicated that the project site has a high potential to encounter tribal cultural resources during construction given the identification of a Native American village nearby, its proximity to natural water courses and major traditional trade routes, and its location near cultural landscape resources. As a result, the Kizh Nation recommended Native American monitoring during construction of the proposed project and project-related offsite improvements. In addition, the presence of resources CA-LAN-2682 and P-19-187085/Mojave Road in the vicinity of the project site and project-related offsite improvements suggests further that project site has a high potential for retaining buried resources. As a result, there is potential that the proposed project and project-related offsite improvements could cause a substantial adverse change in the significance of a tribal cultural resource as described in PRC Section 21084.2. Accordingly, impacts on tribal cultural resources are considered potentially significant, and mitigation measures for Native American monitoring during implementation of the proposed project and project-related offsite improvements are provided below. The City submitted these measures to the Kizh Nation on January 11, 2024, for their review and comment and they were accepted by the Kizh Nation on January 17, 2024, formally closing AB 52 consultation between the City and the tribe. With implementation of Mitigation Measures TCR-1 through TCR-3, potential impacts to tribal cultural resources would be reduced to less than significant.

Mitigation Measure TCR-1: Prior to the issuance of a demolition permit for the proposed project, the Applicant shall retain a Native American Monitor from the Gabrieleño Band of Mission Indians – Kizh Nation (Kizh Nation or Tribe). The Native American Monitor shall be present during the following construction activities at the project site and project-related offsite improvements that have the potential for encountering tribal cultural resources: demolition, pavement removal, clearing/grubbing, drilling/augering, potholing, grading, trenching, excavation, tree removal or other ground disturbing activity associated with the proposed project, whether on the project site or in connection with the project-related offsite improvements (collectively "ground disturbing activities"). Notwithstanding the foregoing, Native American monitoring shall not be required for any moving of soils after they have been initially disturbed or displaced by project-related construction. The Applicant shall prepare a monitoring agreement with the Kizh Nation that outlines the roles and responsibilities of the Native American Monitor and shall submit this agreement to the City of Carson (City) prior to the issuance of demolition permit for the proposed project.

Prior to commencement ground disturbing activities, a Tribal Cultural Resources Sensitivity Training session shall be held for those construction personnel who will be directly involved in the ground disturbing activities. The training session shall be carried out by the Native American Monitor and shall focus on how to identify tribal cultural resources that may be encountered during ground disturbing activities and the procedures to be followed in such an event. If the Native American Monitor is not present at the project site or project-related offsite improvements on any given workday, the ground disturbing activities may continue if the workers involved in such activities attended the training session.

Full-time monitoring may be reduced to part-time inspections, or ceased entirely, if determined appropriate by the Native American Monitor in the event there appears to be little to no potential for impacting tribal cultural resources. Native American monitoring shall conclude no later than conclusion of ground disturbing activities.

Mitigation Measure TCR-2: The Native American Monitor shall complete daily monitoring logs that provide descriptions of the relevant ground-disturbing activities, the type of construction activities performed, locations of ground-disturbing activities, soil types, cultural-related materials, and any other facts, conditions, materials, or discoveries of significance to the Tribe. Monitor logs shall identify and describe any discovered tribal cultural resources, including but not limited to, Native American cultural and historical artifacts, remains, places of significance, etc., as well as any discovered Native American (ancestral) human remains and burial goods. Copies of monitor logs shall be provided to the Applicant and the City upon written request to the Tribe. The Applicant shall not be deemed to be out of compliance with this measure if the Native American Monitor fails to complete or submit any such monitoring logs.

Mitigation Measure TCR-3: In the event of a discovery of potential tribal cultural resources at the project site or project-related offsite improvements, the Qualified Archaeologist identified in Mitigation Measure CUL-2 (after consultation with the Native American Monitor) shall have the authority to temporarily divert, redirect, or halt ground-disturbance activities to allow identification, evaluation, and potential recovery of such potential resources. After consulting with the Native American Monitor and the Applicant, the Qualified Archaeologist shall establish an appropriate buffer area in accordance with industry standards, reasonable assumptions regarding the potential for

additional discoveries in the vicinity, and safety considerations for those making an evaluation and potential recovery of the discovery. This buffer area shall be established around the find where ground-disturbing activities shall not be allowed to continue. Work shall be allowed to continue outside of the buffer area.

Within three (3) business days of such discovery, a meeting shall take place between the Applicant, the Qualified Archaeologist, the Tribe, and the City to discuss the significance of the find and whether it qualifies as a tribal cultural resource pursuant to Public Resources Code Section 21074(a). If, as a result of the meeting and after consultation with the Tribe, the Applicant, and the Qualified Archaeologist, the City determines, based on substantial evidence, that the resource is in fact a tribal cultural resource, the Qualified Archaeologist shall develop a reasonable and feasible treatment plan, with input from the Tribe as necessary, and with the concurrence of the City's Planning Director. The treatment measures in the treatment plan shall be in compliance with any applicable federal, State, or local laws, rules or regulations. The treatment plan shall also include measures regarding the curation of the recovered resources.

The Applicant may recommence ground disturbance activities inside of the specified radius of the discovery site only after it has complied with all of the recommendations developed and approved pursuant to the process set forth above.

The recovered Native American resources may be placed in the custody of the Tribe, who may choose to use them for their educational purposes or they may be curated at a public, non-profit institution with a research interest in the materials. If neither the Tribe nor an institution accepts the resources, they may be donated to a local school or historical society in the area for educational purposes.

Notwithstanding the above paragraph, any information determined to be confidential in nature by the City Attorney's office, shall be excluded from submission to the SCCIC or the general public under the applicable provisions of the California Public Records Act, California Public Resources Code Section 6254®.

XIX. Utilities and Service Systems

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

Discussion

a) ***Water***

Construction

During construction activities, there would be a temporary, intermittent demand for water for such activities as soil watering for site preparation, fugitive dust control, concrete preparation, cleanup, and other short-term activities. As discussed in Section X, *Hydrology and Water Quality*, water supply for the proposed project and project-related offsite improvements during construction would be supplied by purchase from the Cal Water Dominguez District. Construction-related water usage is not expected to have an adverse impact on available water supplies, and impacts would be less than significant.

Operation

No new sources of water supply, such as groundwater, are required to meet the water demand of the proposed project and project-related offsite improvements. Water for the proposed project and project-related offsite improvements would be supplied by the Cal Water Dominguez District. Based on the 2020 UWMP, the Cal Water Dominguez District receives its water from 17 percent groundwater, 15 percent recycled water, and 68 percent purchased water (Cal Water 2021). Operation of the proposed project and project-related offsite improvements would require a minimal amount of water for operation and maintenance activities, and the increase in water use would be within the anticipated increase in the Cal Water Dominguez District 2020 UWMP. In addition, operation of the proposed project and project-related offsite improvements would not require the provision of any municipal water supplies. Therefore, operation-related water

usage would not have an adverse impact on available water supplies, and impacts would be less than significant.

Wastewater Treatment

Construction

Construction activities for the proposed project and project-related offsite improvements would not result in wastewater generation as construction workers would utilize portable restrooms, which would not contribute to wastewater flows to the local wastewater system. Therefore, no impact would occur related to wastewater treatment generation during construction.

Operation

The local wastewater treatment system is designed to comply with federal regulations (NPDES) administered by the RWRCB. Moreover, the proposed project and project-related offsite improvements are anticipated to generate minimal wastewater during proposed project and project-related offsite improvements operations and periodic maintenance activities, mostly as a result of landscape irrigation. Therefore, it is not anticipated that implementation of the proposed project and project-related offsite improvements would require construction of new or the expansion of existing wastewater facilities and impacts would be less than significant.

Stormwater

As discussed above in Section X, *Hydrology and Water Quality*, the project site drains towards an existing storm drain inlet adjacent to the project site's western boundary along Alameda Street. Under the proposed project and project-related offsite improvements, the project site would drain to the proposed detention pond in the southwestern corner of the project site. In addition, the proposed project would be required to complete a SWPPP in accordance with the NPDES, which would reduce the potential for stormwater impacts on- and off-site. Furthermore, the proposed project would retain the existing landscaping on site, which accounts for approximately 4.48 percent of the project site. Therefore, impacts related to stormwater drainage would be less than significant.

Electric Power, Natural Gas, and Telecommunications

The proposed project and project-related offsite improvements represents an improvement to the existing electrical power system. Although the proposed project and project-related offsite improvements would require new electrical line tie ins for service, it would not result in the excessive use of electricity during operation. Therefore, proposed project and project-related offsite improvements impacts related to electric power would be less than significant.

The proposed project and project-related offsite improvements would not require new natural gas services connections and would not result in the need for new natural gas supplies or infrastructure. Therefore, the proposed project and project-related offsite improvements would have no impact with regard to natural gas.

The and project-related offsite improvements would require telecommunication facilities to meet the communication requirements for interconnecting and communicating with the SCE/CAISO facilities and to support remote project operations monitoring. To provide for communication with SCE facilities, a fiber-optic cable would be used to connect the proposed project site substation with the SCE Hinson Substation point of interconnection. Utility interconnection regulations require the installation of a second, separate, redundant fiber-optic cable. The redundant fiber-optic cable would also be installed within the project footprint. The proposed project would use local exchange carrier services for telecommunication to support remote monitoring requirements. The proposed project would connect to telecommunication fiber-optic lines owned and managed by local telecommunication providers. The SCADA system is critical to the CAISO and SCE utility interconnection, and for the proper operation and maintenance of the proposed project. The SCADA system uses proprietary software; a fiber-optic transmission system; a telephone, radio, and/or microwave communication network; and other means of communication such as radio links and phase loop communication systems. The SCADA system functions as a remote start, stop, reset, and tag out for the facility, thus minimizing the labor and site diagnostic information generated from the panels. The SCADA system would also control the substation, allowing for fully centralized operation of the proposed project to meet all CAISO and utility interconnection requirements. However, no new or expanded telecommunications facilities would be required as a result of construction and operation of the proposed project and project-related offsite improvements. Impacts related to telecommunications facilities would be less than significant.

b) As discussed in Section XIX (a) above, the proposed project and project-related offsite improvements are not anticipated to significantly increase water demand and would be within the estimated increase in water demand for the Cal Water Dominguez District. According to the 2020 UWMP for the Cal Water Dominguez District, there is sufficient supply to accommodate demand under normal, single- dry year, and multiple-dry year hydrologic conditions (Cal Water 2021). The UWMP is based on area population projections as provided by SCAG. The proposed project and project-related offsite improvements would be consistent with SCAG projections for the service area as it would not generate any new employment or population in the area. As the estimated increase in water use would be within the anticipated increase in the 2020 UWMP for the Cal Water Dominguez District and the proposed project and project-related offsite improvements would be consistent with regional population projections, impacts related to water supplies would be less than significant.

c) As discussed in Section XIX (a) above, the local wastewater treatment system is designed to comply with federal regulations (NPDES) administered by the RWRCB. Moreover, the proposed project and project-related offsite improvements are anticipated to generate minimal wastewater during normal operations and periodic maintenance activities, mostly as a result of landscape irrigation. Therefore, it is not anticipated that implementation of the proposed project and project-related offsite improvements would

require construction of new or the expansion of existing wastewater facilities and impacts would be less than significant.

The project site and project-related offsite improvements are located within the existing service area of the Cal Water Dominguez District and the project site is surrounded by existing development that is currently connected to existing water and wastewater lines. No additional improvements are needed to either water lines, sewer lines, or treatment facilities to serve the proposed project and project-related offsite improvements. Therefore, impacts related to wastewater treatment capacity would be less than significant.

d) A substantial amount of solid waste is disposed of throughout the region, requiring ongoing landfill expansions. According to the City of Carson General Plan, solid waste generated by industrial, commercial, and residential uses in the city is collected by Waste Management. Waste Management collects an estimated 153,500 tons from commercial and industrial customers per year. Solid waste collected by Waste Management is transported to the Carson Transfer Station and Materials Recovery where it is sorted by material type. The 10-acre facility has a permitted capacity of 5,300 tons per day (Los Angeles County 2021). Once the materials have been sorted, tires, green waste, steel, and wood are diverted to special facilities for disposal and recycling. Excess solid waste is sent to El Sobrante Landfill in Riverside County, approximately 75 miles from the city. Waste Management also disposes solid waste to Lancaster Landfill and Simi Valley Landfill as alternates. The total permitted throughput for all landfills is 85,904 tons per day, and approximately 241.4 million cubic yards of capacity remain (California Department of Resources Recycling and Recovery [CalRecycle] 2019a, 2019b, 2019c). As under existing conditions, solid waste would be collected by Waste Management and taken to the appropriate Sanitation Districts of Los Angeles County landfill with remaining capacity. Landfills operated by Sanitation Districts of Los Angeles County are subject to federal and State programs that regulate operations and capacity in consideration of solid waste reduction goals.

In addition, according to the 2020 Annual Report for the Countywide Integrated Waste Management Plan (CIWMP), the remaining capacity at County-operated landfills is 207.31 million tons (County of Los Angeles 2021). Approximately 11,600 sf existing administrative and storage building located in the southwest corner of the project site would be demolished. Construction of the proposed project and project-related offsite improvements would result in generation of construction and demolition debris such as metal scrap, lumber, concrete which will be collected and diverted to a construction and demolition debris facility for materials to be recycled and/or discarded. However, as required by the Construction and Demolition Debris Recycling and Reuse Program (C&D) Program, the proposed project and project-related offsite improvements would be required to divert a minimum of 65 percent of C&D waste from landfills. Residual wastes, such as trash packing materials, and plastics could require disposal at landfill. As the proposed project and project-related offsite improvements would be required to divert

65 percent of solid waste from landfills, the remaining capacity of County-operated landfills would be minimally affected due to construction.

All collection, transportation, and disposal of any solid waste generated by the proposed project and project-related offsite improvements during construction and operation would comply with all applicable federal, State, and local statutes and regulations. In particular, AB 939 requires that at least 50 percent of solid waste generated by a jurisdiction be diverted from landfill disposal through source reduction, recycling, or composting. Cities, counties, and regional agencies are required to develop a waste management plan that would achieve a 50 percent diversion from landfills (Public Resources Code Section 40000 et seq.). Furthermore, as required by existing regulations, any hazardous materials collected on the project site during demolition, construction, or operational activities would be transported and disposed of by a permitted and licensed hazardous materials service provider at a facility permitted to accept such hazardous materials. As such, the proposed project and project-related offsite improvements are not anticipated to generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals. Therefore, this impact would be less than significant.

e) The project site and project-related offsite improvements are subject to State and City mandates with respect to solid waste, such as implementation of the City's Diversion and Recycling Program. The proposed project and project-related offsite improvements would comply with all federal, State, and local statutes and regulations related to solid waste, including the California Integrated Waste Management Act and City requirements for solid waste generated during construction and operation of the proposed project and project-related offsite improvements. Compliance with these regulations would ensure that a less-than-significant impact would occur.

XX. Wildfire

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

Discussion

a) As noted previously, the project site and project-related offsite improvements are not within a VHFHSZ. As analyzed in Section IX, *Hazards and Hazardous Materials*, above, primary access to the project site would be provided from Alameda Street and would not result in any permanent alterations to vehicular circulation routes or obstruct public access along adjacent roadways that would impair an adopted emergency response plan or emergency evacuation plan. All construction staging would occur within the boundaries of the project site and project-related offsite improvements and would not interfere with circulation along the adjacent roadways, or any other nearby roadways. The City has prepared a Multi-Hazard Functional Plan (1996) for emergency response within the city. The plan identifies emergency protocol, critical meeting areas, and emergency evacuation routes. The four major freeways (I-405, SR-91, I-110, and I-710) as well as arterial streets with right-of-way widths from 80 to 100 feet at one-half mile intervals would serve as potential evacuation routes during a disaster. Potential evacuation routes that are located near the site include East Sepulveda Boulevard and Alameda Street. The project site and project-related offsite improvements are not located directly along an evacuation route and operations under the proposed project and project-related offsite improvements would not interfere with an adopted emergency response plan or emergency evacuation plan. Impacts would be less than significant.

b) The project site is currently developed as an aggregate recycling center and surrounded by mixed industrial uses. The proposed gen-tie line originates at the project site and travels partially through an urbanized area within the City of Carson and City of Los Angeles and partially through an open space area to the SCE Hinson Substation located within the City of Long Beach. The project site and project-related offsite improvements would continue to be served by the LACFD. According to CAL FIRE, the proposed

project and project-related offsite improvements are not located within a VHFHSZ (CAL FIRE 2022). The proposed battery packs would be NFPA 855 Code compliant and include built-in failsafe and cooling systems designed to prevent thermal runaway and the spread of fire. A fire protection system would be installed to automatically shut down any affected battery storage components and prevent the spread of the fire to the other battery storage modules in the event of an emergency. The LACFD would review and approve the facility fire protection and suppression plans prior to approval of the proposed project and project-related offsite improvements. Therefore, the proposed project and project-related offsite improvements would not expose people to significant pollutant concentrations resulting from wildland fires, or the uncontrolled spread of a wildfire. Impacts related to exacerbating wildfire risks due to slope, prevailing winds, and other factors would be less than significant.

c) The proposed project and project-related offsite improvements involves the installation or maintenance of associated infrastructure that may exacerbate fire risk. As described above, the proposed battery packs would be NFPA 855 Code compliant and include built-in failsafe and cooling systems designed to prevent thermal runaway and the spread of fire. A fire protection system would be installed to automatically shut down any affected battery storage components and prevent the spread of the fire to the other battery storage modules in the event of an emergency. The project site and project-related offsite improvements are not located in a VHFHSZ and the proposed project and project-related offsite improvements would be constructed in compliance with the CBC and CFC, to ensure implementation of the proposed project and project-related offsite improvements would not exacerbate fire risks or result in temporary or ongoing environmental impacts. Therefore, impacts would be less than significant.

d) As described above, the project site and project-related offsite improvements are located partially within an urbanized area and partially within an open space area and would continue to be served by the LACFD. Additionally, according to CAL FIRE, the project site and project-related offsite improvements are not located within a VHFHSZ (CAL FIRE 2022). Given the local topographic and environmental characteristics of the project site and project-related offsite improvements, the proposed project and project-related offsite improvements would not increase the possibility of wildland fire in the project vicinity.

Additionally, no streams, rivers or natural drainages occur on the project site and project-related offsite improvements. The project site is adjacent to the Dominguez Channel. However, the proposed project and project-related offsite improvements would be subject to the City's Floodplain Management and Stormwater and Urban Runoff Pollution Control Ordinances, which help prevent flood damage. Due to the relatively flat topography of the project site, project-related offsite improvements, and surrounding area, the proposed project and project-related offsite improvements would not expose people or structures to flooding or potential landslides. Therefore, no impacts would occur related to exposing people or structures to significant risk.

XXI. Mandatory Findings of Significance

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

Discussion

a) The proposed project is a battery energy storage facility consisting of lithium-ion (or similar technology available at the time of construction) batteries installed in racks, inverters, MV transformers, switchgear, a collector substation, and other associated equipment to interconnect into the SCE Hinson Substation. As discussed in Section IV, Biological Resources, the project site is currently developed as an aggregate recycling center and is located within the city of Carson within a highly industrialized area. The proposed gen-tie line originates at the project site and travels partially through an urbanized area within the City of Carson and City of Los Angeles and partially through an open space area to the SCE Hinson Substation located within the City of Long Beach. As stated in the Biological Constraints Analysis Memorandum (Dudek 2022) and Biological Resources Technical Memorandum (ESA 2023), database reviews showed that the project site and gen-tie line are not overlain within USFWS-designated Critical Habitat for any special-status plant or wildlife species (USFWS 2023).

Generally, limited suitable avian nesting habitat is present within the project site and project-related offsite improvements due to the dominance of developed and disturbed areas. However, many avian species are known to nest and forage within ornamental shrubs and trees planted as part of existing landscaping and man-made structures and buildings. The existing landscaping and man-made structures provide suitable nesting habitat for several common and migratory bird species protected under the MBTA and California Fish and Game Code Sections 3503, 3503.5, and 3513. Therefore, construction of the proposed project and project-related offsite improvements may affect nesting birds, as a very limited amount of suitable habitat occurs for common and migratory bird

species within the project site and project-related offsite improvements. Mitigation Measure BIO-1 would be required prior to or during construction.

Dominguez Channel supports aquatic habitat that is regulated by the CDFW, RWQCB, and USACE. No direct impacts are planned to occur within Dominguez Channel resulting from proposed project and project-related offsite improvements activities since installation of poles for the gen-tie line would occur outside of the channel. Additionally, no sensitive natural communities occur within the project site and project-related offsite improvements. While no direct impacts to riparian or sensitive natural communities are proposed, construction would occur adjacent to Dominguez Channel which has the potential to result in runoff into the channel. However, implementation of Mitigation Measure BIO-2 would reduce potential indirect impacts to the Dominguez Channel during construction to less than significant. Therefore, the proposed project and project-related offsite improvements does not have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish and wildlife species, cause a fish, or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of rare or endangered plant or animals.

As indicated in Section V, Cultural Resources, under the proposed project and project-related offsite improvements, physical alterations and demolition of historical resources must be avoided, and if impacts cannot be avoided, they must be reduced to a less than significant impact through implementation of Mitigation Measure CUL-1. Further, the proposed project and project-related offsite improvements have a moderate potential to encounter buried prehistoric archaeological resources, including human remains, during construction given the identification of CA-LAN-2682 and the Native American village of *Suangna* in the vicinity of the project site, the presence of Holocene-age alluvium that underlies the project site that has been deposited within the past 11,700 years, the project site's location in close proximity to water sources, and since the project site retains a low degree of slope. With implementation of Mitigation Measures CUL-2, CUL-3, and CUL-4, impacts to archaeological resources would be less than significant. If human remains are encountered during construction, disturbance of those remains could result in a potentially significant impact. With implementation of Mitigation Measure CUL-5, which requires following state laws in the event of a human remains discovery, impacts to human remains would be less than significant. Therefore, the and project-related offsite improvements would not potentially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal, or eliminate important examples of the major periods of California history or prehistory. Therefore, a less-than-significant impact would occur with mitigation.

b) A significant impact may occur if the proposed project and project-related offsite improvements, in conjunction with the related projects, would result in impacts that are significant when taken together. With the incorporation of mitigation, the and project-

related offsite improvements would have less-than-significant or no impacts with respect to all environmental topics, as discussed in the above checklist. Related projects would also be required to mitigate any impacts to the maximum extent feasible. Therefore, with mitigation incorporated, the proposed project and project-related offsite improvements together with related projects would not result in significant cumulative impacts.

c) A significant impact may occur if the proposed project and project-related offsite improvements have the potential to result in significant impacts, as discussed in the preceding sections. All potential impacts of the proposed project and project-related offsite improvements have been identified, and mitigation measures have been prescribed, where applicable, to reduce all potential impacts to less-than-significant levels. The and project-related offsite improvements would comply with all applicable permits, regulations, and other conditions imposed by the City of Carson and responsible agencies. Therefore, impacts associated with the proposed project and project-related offsite improvements would be less than significant.

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CHAPTER 4
Mitigation Monitoring and Reporting Program

4.1 CEQA Requirements

Table 18, Mitigation Monitoring and Reporting Program for the City of Carson Avocet Energy Storage Project is a Mitigation Monitoring and Reporting Program (MMRP) for the Project, which has been prepared pursuant to CEQA Guidelines Section 15097 and Public Resources Code Section 21081.6. This MMRP lists all applicable mitigation measures from the IS/MND. The appropriate timing of implementation and responsible party are identified to ensure proper enforcement of the mitigation measures from the IS/MND to reduce Project impacts to less than significant levels. Mitigation measures are presented in the same order as they occur in the IS/MND.

The columns in the MMRP table provide the following information:

- **Mitigation Measure(s):** The action(s) that will be taken to reduce the impact to a less than significant level.
- **Implementation Action:** The action(s) listed out, according to the identified mitigation measure that would be implemented by the responsible agency.
- **Responsible Implementation Agency:** The agency or private entity responsible for ensuring implementation of the mitigation measure. For the Project, the City of Carson, as the CEQA Lead Agency, remains responsible for ensuring that implementation of the mitigation measures occur in accordance with the MMRP (CEQA Guidelines Section 15097(a)).
- **Timing of Verification:** The general timing for implementing each mitigation measure.
- **Verification Date:** The date in which the mitigation measure has been completed.

The MMRP will be kept on file at the following address:

City of Carson, Community Development Department – Planning Division
701 East Carson Street
Carson, CA 90745

TABLE 18
MITIGATION MONITORING AND REPORTING PROGRAM FOR THE CITY OF CARSON AVOCET ENERGY STORAGE PROJECT

Mitigation Measure	Implementation Action	Responsible Implementation Agency/Party	Timing Verification
Biological Resources			
Mitigation Measure BIO-1: Nesting Birds/Raptors. If work activities occur within the avian nesting season (generally defined as January 15 through September 15), a qualified biologist should conduct a nesting bird and raptor survey within 30 days of the anticipated start date, and no less than 3 days prior to ground disturbance, to identify any active nests within 500 feet of suitable nesting habitat. If an active nest is found, the nest should be avoided, and a suitable buffer zone delineated in the field where no impacts would occur until the chicks have fledged the nest as determined by a qualified biologist. Construction avoidance buffers are generally 300 feet for non-listed passerines and 500 feet for listed avian species and raptors; however, avoidance buffers may be reduced for non-listed species at the discretion of the biologist, depending on the location of the nest and species tolerance to human presence and construction-related noises and vibrations.	If work activities occur within the avian nesting season, nesting bird surveys should be completed 3 days before ground disturbance activities. If nests are found, buffers should be delineated, and nests shall be avoided.	Project Applicant Qualified Biologist Project Contractor	Prior to the start of construction
Mitigation Measure BIO-2: Aquatic Resources. The following are recommended to reduce aquatic resource impacts as a result of project activities: • Prior to installation of the overhead transmission line over Navigable Waters (Dominguez Channel), consultation with USACE is recommended to determine whether a Section 10 permit will be necessary. • Erosion control measures (i.e. silt fencing, straw wattles, etc.) should be implemented adjacent to the Dominguez Channel when work is occurring adjacent to the Dominguez Channel to prevent sediment/contaminants from continuing offsite into the channel. • Re-fueling of equipment should be conducted at least 50 feet from the Dominguez Channel. • Drip pans should be placed underneath all mechanical machinery that will be staged adjacent to the Dominguez Channel	Prior to installation of the overhead transmission line, consultation with USACE regarding a Section 10 permit should occur. Erosion control measures shall be implemented.	Project Applicant USACE Staff Project Contractor	Prior to installation of the overhead transmission line

Mitigation Measure	Implementation Action	Responsible Implementation Agency/Party	Timing Verification
Cultural Resources			
Mitigation Measure CUL-1: Prior to the issuance of a demolition permit, the Applicant shall retain an archaeologist who meets the Secretary of the Interior's Professional Qualifications Standards for Archaeology (Qualified Archaeologist) to oversee an archaeological monitor who shall be present during initial project construction work such as demolition, clearing/grubbing, grading, trenching, or related moving of soils (collectively, ground disturbing activities) within the project site and project-related offsite improvements ; provided, however, that ground disturbing activities shall not include any moving of soils after they have been initially disturbed or displaced by project-related construction. The Qualified Archaeologist shall determine the frequency of monitoring based on the rate of excavation and grading activities, proximity to known archaeological resources, the materials being excavated (younger alluvium vs. older alluvium), and the depth of excavation, and if found, the abundance and type of archaeological resources encountered. The frequency of monitoring can be reduced to part-time inspections or ceased entirely if determined appropriate by the Qualified Archaeologist. Prior to commencement of excavation activities, an Archaeological and Cultural Resources Sensitivity Training shall be given for construction personnel. The training session shall be carried out by the Qualified Archaeologist and shall focus on how to identify archaeological resources that may be encountered during earthmoving activities and the procedures to be followed in such an event.	Prior to the issuance of a demolition permit, the Applicant shall retain an archaeologist. Prior to commencement of excavation activities, an Archaeological and Cultural Resources Sensitivity Training shall be given for construction personnel.	Project Applicant Qualified Archaeologist	Prior to the issuance of a demolition permit. Prior to the start of excavation activities.
Mitigation Measure CUL-2: In the event that historic or prehistoric archaeological resources (e.g., bottles, foundations, refuse dumps, shell midden, lithic/stone tool materials, etc.) are unearthed, ground-disturbing activities shall be halted or diverted away from the vicinity of the find so that the find can be evaluated. After consulting with the Applicant, the Qualified Archeologist shall establish an appropriate buffer in accordance with industry standards, reasonable assumptions regarding the potential for additional discoveries in the vicinity, and safety considerations for those making an evaluation and potential recovery of the discovery. This buffer area shall be established around the ground where construction activities shall not be allowed to continue. Work shall be allowed to continue outside of the buffer area.	In the event of the unanticipated discovery of historic or prehistoric archaeological resources archaeological materials, the Project Contractor(s) shall immediately cease all work activities in the area of the discovery until it can be evaluated by a qualified archaeologist. If a historic or unique archaeological is unearthed, the Qualified Archaeologist shall coordinate with the Applicant and the City of Carson	Project Contractor(s) Qualified Archaeologist	During demolition, grading and/or construction.

Mitigation Measure	Implementation Action	Responsible Implementation Agency/Party	Timing Verification
All archaeological resources unearthed by project construction activities shall be evaluated by the Qualified Archaeologist. If the Qualified Archaeologist determines the find to constitute a "historical resource" pursuant to CEQA Guidelines Section 15064.5(a) or a "unique archaeological resource" pursuant to Public Resources Code Section 21083.2(g), the Qualified Archaeologist shall coordinate with the Applicant and the City of Carson (City) to develop a reasonable and feasible treatment plan that would serve to reduce impacts to the resources. The treatment plan established for the resources shall be in accordance with CEQA Guidelines Section 15064.5(f) for historical resources and Public Resources Code Sections 21083.2(b) for unique archaeological resources. The treatment plan shall include measures regarding the curation of the recovered resources that may include curation at a public, non-profit institution with a research interest in the materials, such as the Natural History Museum of Los Angeles County or the Fowler Museum, if such an institution agrees to accept the material. If no institution accepts the resources, they may be donated to a local school or historical society in the area (such as a local historical society or school) for educational purposes.	(City) to develop a reasonable and feasible treatment plan.		
Mitigation Measure CUL-3: The Qualified Archaeologist shall prepare a final report and appropriate California Department of Parks and Recreation Site Forms at the conclusion of archaeological monitoring. The report shall include a description of resources unearthed, if any, treatment of the resources, results of the artifact processing, analysis, and research, and evaluation of the resources with respect to the California Register of Historical Resources and CEQA. The report and the Site Forms shall be submitted by the Applicant to the City, the South Central Coastal Information Center, and representatives of other appropriate or concerned agencies to signify the satisfactory completion of the proposed project and project-related offsite improvements and required mitigation measures.	The Qualified Archaeologist shall prepare a final report and appropriate California Department of Parks and Recreation Site Forms at the conclusion of archaeological monitoring.	Qualified Archaeologist	At the conclusion of archaeological monitoring
Mitigation Measure CUL-4: If human remains are encountered unexpectedly during implementation of the proposed project and project-related offsite improvements, State Health and Safety Code Section 7050.5 requires that no further disturbance shall occur until the County Coroner has made the necessary findings as to origin and disposition pursuant to PRC Section 5097.98. If the remains are determined to be of Native American descent, the coroner has 24 hours to notify the Native American Heritage Commission (NAHC). The NAHC shall then identify the person(s) thought to be the Most	If human remains are encountered, the contractor should halt work in the vicinity of the find and contact the Los Angeles County Coroner in accordance with PRC Section 5097.98 and Health and Safety Code Section 7050.5. If the County Coroner determines that the remains are Native American, the California	Qualified Archaeologist Project Contractor	Prior to and during grading and/or construction.

Mitigation Measure	Implementation Action	Responsible Implementation Agency/Party	Timing Verification
Likely Descendent (MLD). The MLD may, with the permission of the landowner, or his or her authorized representative, inspect the site of the discovery of the Native American remains and may recommend to the owner or the person responsible for the excavation work means for treating or disposing, with appropriate dignity, the human remains and any associated grave goods. The MLD shall complete their inspection and make their recommendation within 48 hours of being granted access by the landowner to inspect the discovery. The recommendation may include the scientific removal and nondestructive analysis of human remains and items associated with Native American burials. Upon the discovery of the Native American remains, the landowner shall ensure that the immediate vicinity, according to generally accepted cultural or archaeological standards or practices, where the Native American human remains are located, is not damaged or disturbed by further development activity until the landowner has discussed and conferred, as prescribed in this mitigation measure, with the MLD regarding their recommendations, if applicable, taking into account the possibility of multiple human remains. The landowner shall discuss and confer with the descendants all reasonable options regarding the descendants' preferences for treatment. If the NAHC is unable to identify a MLD, or the MLD identified fails to make a recommendation, or the landowner rejects the recommendation of the MLD and the mediation provided for in subdivision (k) of Section 5097.94, if invoked, fails to provide measures acceptable to the landowner, the landowner or his or her authorized representative shall inter the human remains and items associated with Native American human remains with appropriate dignity on the facility property in a location not subject to further and future subsurface disturbance.	Native American Heritage Commission (NAHC) will be notified in accordance with Health and Safety Code Section 7050.5, subdivision (c), and PRC Section 5097.98 (as amended by Assembly Bill 2641). The NAHC will designate a Most Likely Descendent (MLD) for the remains per PRC Section 5097.98.		

Mitigation Measure	Implementation Action	Responsible Implementation Agency/Party	Timing Verification
Geology and Soils			
Mitigation Measure PALEO-1: The Applicant shall retain a paleontologist who meets the Society of Vertebrate Paleontology's (SVP, 2010) definition for qualified professional paleontologist (Qualified Paleontologist) to carry out all mitigation related to paleontological resources. Prior to the start of ground-disturbing activities, the Qualified Paleontologist or their designee shall conduct construction worker paleontological resources sensitivity training for all construction personnel. Construction personnel shall be informed on how to identify the types of paleontological resources that may be specifically encountered in Pleistocene to early Holocene alluvial deposits, the proper procedures to be enacted in the event of an inadvertent discovery of paleontological resources, and safety precautions to be taken when working with paleontological monitors. The City of Carson shall ensure that construction personnel are made available for and attend the training and retain documentation demonstrating attendance.	Prior to the start of ground disturbing activities, the Project Applicant shall retain a qualified paleontologist. Prior to the start of ground-disturbing activities, construction personnel shall be trained in the identification of paleontological resources.	Project Applicant Qualified Paleontologist Project Contractor	Prior to the start of ground disturbing activities
Mitigation Measure PALEO-2: Paleontological monitoring shall be conducted during ground-disturbing activities below 20 feet in Quaternary alluvium (Qyf and Qya2) and at all depths within the older alluvium (Qoa) at the surface along the southern portion of the gen-tie line as depicted in Figure 5, Geologic Map, of the Paleontological Resources Assessment (**Appendix F** of the IS/MND). Monitoring shall be conducted by a qualified paleontological monitor (SVP, 2010) working under the direct supervision of the Qualified Paleontologist. Monitoring shall consist of visually inspecting fresh exposures of rock for larger fossil remains and, where appropriate, collecting sediment samples to wet or dry screen to test promising horizons for smaller fossil remains. If the Qualified Paleontologist determines that full-time monitoring is no longer warranted, based on the specific geologic conditions at the surface or at depth, the Qualified Paleontologist may recommend that monitoring be reduced to periodic spot-checking or cease entirely.	Paleontological monitoring shall be conducted during ground-disturbing activities below 20 feet in Quaternary alluvium (Qyf and Qya2) and at all depths within the older alluvium (Qoa) at the surface along the southern portion of the gen-tie line, until the Paleontologist determines full-time monitoring is no longer warranted.	Qualified Paleontologist Project Contractor	During grading and/or construction.

Mitigation Measure	Implementation Action	Responsible Implementation Agency/Party	Timing Verification
Mitigation Measure PALEO-3: If a potential fossil is found, the paleontological monitor shall be allowed to temporarily divert or redirect grading and excavation activities in the area of the exposed fossil to facilitate evaluation of the discovery. An appropriate buffer area shall be established around the find where construction activities shall not be allowed to continue. Work shall be allowed to continue outside of the buffer area. At the monitor's discretion, and to reduce any construction delay, the grading and excavation contractor shall assist in removing rock/sediment samples for initial processing and evaluation. If a fossil is determined to be significant, the Qualified Paleontologist shall implement a paleontological salvage program to remove the resources from their location, following the guidelines of the SVP (2010). Any fossils encountered and recovered shall be prepared to the point of identification, catalogued, and curated at a public, non-profit institution with a research interest in the material and with retrievable storage, such as the Natural History Museum of Los Angeles County, if such an institution agrees to accept the fossils. If no institution accepts the fossil collection, they shall be donated to a local school in the area for educational purposes. Accompanying notes, maps, and photographs shall also be filed at the repository and/or school. If construction personnel discover any potential fossils during construction while the paleontological monitor is not present, regardless of the depth of work or location, work at the discovery location shall cease in a 50-foot radius of the discovery until the Qualified Paleontologist has assessed the discovery and recommended and implemented appropriate treatment as described earlier in this measure.	In the event of the unanticipated discovery of fossils, the Project Contractor(s) shall immediately cease all work activities in the area (within approximately 50 feet) of the discovery until it can be evaluated by a qualified paleontologist. If fossils are determined to be significant, the qualified paleontologist will implement a paleontological salvage program to remove the resources from their location.	Qualified Paleontologist Project Contractor	During grading and/or construction.
Mitigation Measure PALEO-4: At the conclusion of paleontological monitoring and prior to the release of the grading bond, the Qualified Paleontologist shall prepare a report summarizing the results of the monitoring and salvage efforts, the methodology used in these efforts, as well as a description of the fossils collected and their significance. The report shall be submitted by the Qualified Paleontologist to the City of Carson and the Natural History Museum of Los Angeles County to signify the satisfactory completion of the project and required mitigation measures.	The Qualified Paleontologist shall prepare a final report at the conclusion of monitoring.	Qualified Paleontologist	At the conclusion of paleontological monitoring

Mitigation Measure	Implementation Action	Responsible Implementation Agency/Party	Timing Verification
Tribal Cultural Resources			
Mitigation Measure TCR-1: Prior to the issuance of a demolition permit for the proposed project, the Applicant shall retain a Native American Monitor from the Gabrieleño Band of Mission Indians – Kizh Nation (Kizh Nation or Tribe). The Native American Monitor shall be present during the following construction activities at the project site and project-related offsite improvements that have the potential for encountering tribal cultural resources: demolition, pavement removal, clearing/grubbing, drilling/augering, potholing, grading, trenching, excavation, tree removal or other ground disturbing activity associated with the proposed project, whether on the project site or in connection with the project-related offsite improvements (collectively "ground disturbing activities"). Notwithstanding the foregoing, Native American monitoring shall not be required for any moving of soils after they have been initially disturbed or displaced by project-related construction. The Applicant shall prepare a monitoring agreement with the Kizh Nation that outlines the roles and responsibilities of the Native American Monitor and shall submit this agreement to the City of Carson (City) prior to the issuance of demolition permit for the proposed project. Prior to commencement ground disturbing activities, a Tribal Cultural Resources Sensitivity Training session shall be held for those construction personnel who will be directly involved in the ground disturbing activities. The training session shall be carried out by the Native American Monitor and shall focus on how to identify tribal cultural resources that may be encountered during ground disturbing activities and the procedures to be followed in such an event. If the Native American Monitor is not present at the project site or project-related offsite improvements on any given workday, the ground disturbing activities may continue if the workers involved in such activities attended the training session. Full-time monitoring may be reduced to part-time inspections, or ceased entirely, if determined appropriate by the Native American Monitor in the event there appears to be little to no potential for impacting tribal cultural resources. Native American monitoring shall conclude no later than conclusion of ground disturbing activities.	Prior to the issuance of a demolition permit for the proposed project, the Applicant shall retain a Native American Monitor from the Gabrieleño Band of Mission Indians – Kizh Nation. The Tribal Monitor will only be present on-site during the construction phases that involve ground-disturbing activity. Prior to commencement ground disturbing activities, a Tribal Cultural Resources Sensitivity Training session shall be held for those construction personnel who will be directly involved in the ground disturbing activities.	Project Applicant Tribal Monitor approved by the Consulting Tribe and the qualified archaeologist	Prior to the issuance of a demolition permit.

Mitigation Measure	Implementation Action	Responsible Implementation Agency/Party	Timing Verification
Mitigation Measure TCR-2: The Native American Monitor shall complete daily monitoring logs that provide descriptions of the relevant ground-disturbing activities, the type of construction activities performed, locations of ground-disturbing activities, soil types, cultural-related materials, and any other facts, conditions, materials, or discoveries of significance to the Tribe. Monitor logs shall identify and describe any discovered tribal cultural resources, including but not limited to, Native American cultural and historical artifacts, remains, places of significance, etc., as well as any discovered Native American (ancestral) human remains and burial goods. Copies of monitor logs shall be provided to the Applicant and the City upon written request to the Tribe. The Applicant shall not be deemed to be out of compliance with this measure if the Native American Monitor fails to complete or submit any such monitoring logs.	**T**he Native American Monitor shall complete daily monitoring logs that provide descriptions of the relevant ground-disturbing activities, the type of construction activities performed, locations of ground-disturbing activities, soil types, cultural-related materials, and any other facts, conditions, materials, or discoveries of significance to the Tribe.	Native American Monitor	During ground-disturbing activities
Mitigation Measure TCR-3: In the event of a discovery of potential tribal cultural resources at the project site or project-related offsite improvements, the Qualified Archaeologist identified in Mitigation Measure CUL-2 (after consultation with the Native American Monitor) shall have the authority to temporarily divert, redirect, or halt ground-disturbance activities to allow identification, evaluation, and potential recovery of such potential resources. After consulting with the Native American Monitor and the Applicant, the Qualified Archaeologist shall establish an appropriate buffer area in accordance with industry standards, reasonable assumptions regarding the potential for additional discoveries in the vicinity, and safety considerations for those making an evaluation and potential recovery of the discovery. This buffer area shall be established around the find where ground-disturbing activities shall not be allowed to continue. Work shall be allowed to continue outside of the buffer area. Within three (3) business days of such discovery, a meeting shall take place between the Applicant, the Qualified Archaeologist, the Tribe, and the City to discuss the significance of the find and whether it qualifies as a tribal cultural resource pursuant to Public Resources Code Section 21074(a). If, as a result of the meeting and after consultation with the Tribe, the Applicant, and the Qualified Archaeologist, the City determines, based on substantial evidence, that the resource is in fact a tribal cultural resource, the Qualified Archaeologist shall develop a reasonable and feasible treatment plan, with input from the Tribe as necessary, and with the concurrence of the City's Planning Director. The treatment measures in the treatment plan shall be in compliance with any applicable	Upon discovery of any tribal cultural resources, construction activities shall cease or be diverted to allow identification, evaluation, and potential recovery of such potential resources. Within three (3) business days of such discovery, a meeting shall take place between the Applicant, the Qualified Archaeologist, the Tribe, and the City to discuss the significance of the find and whether it qualifies as a tribal cultural resource. If, based on substantial evidence, it is determined that the resource is in fact a tribal cultural resource, the Qualified Archaeologist shall develop a reasonable and feasible treatment plan, with input from the Tribe as necessary, and with the concurrence of the City's Planning Director.	City of Carson Project Applicant Tribal Monitor approved by the Consulting Tribe and the qualified archaeologist	During construction activities

Mitigation Measure	Implementation Action	Responsible Implementation Agency/Party	Timing Verification
federal, State, or local laws, rules or regulations. The treatment plan shall also include measures regarding the curation of the recovered resources. The Applicant may recommence ground disturbance activities inside of the specified radius of the discovery site only after it has complied with all of the recommendations developed and approved pursuant to the process set forth above. The recovered Native American resources may be placed in the custody of the Tribe, who may choose to use them for their educational purposes or they may be curated at a public, non-profit institution with a research interest in the materials. If neither the Tribe nor an institution accepts the resources, they may be donated to a local school or historical society in the area for educational purposes. Notwithstanding the above paragraph, any information determined to be confidential in nature by the City Attorney's office, shall be excluded from submission to the SCCIC or the general public under the applicable provisions of the California Public Records Act, California Public Resources Code Section 6254®.			

CHAPTER 5
Preparers, Acronyms and Abbreviations and References

5.1 Preparers

Lead Agency

City of Carson
701 East Carson Street
Carson, CA 90745

- McKina Alexander, Senior Planner

Initial Study/Mitigated Negative Declaration Preparation

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Irvine, CA 92602

- Brian Allee, Planner IV (Project Manager).
- Alan Sako, Director and Air Quality & Acoustics Analyst V (Air Quality, Greenhouse Gas Emissions, Energy, Noise)
- Kyle Garcia, RPA, Cultural Resource Specialist V (Cultural Resources)
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5.2 Acronyms and Abbreviations

Acronym or Abbreviation	Definition
AB	Assembly Bill
AC	alternating current
APN	Assessor's Parcel Number
AQMP	Air Quality Management Plan
AR4	Fourth Assessment Report
ATCM	Air Toxics Control Measure
BC3	Business Council on Climate Change
BESS	battery energy storage system
BMP	best management practice
CAAQS	the California Ambient Air Quality Standards
CAISO	California Independent System Operator
CalEEMod	California Emissions Estimator Model
CalEPA	California Environmental Protection Agency
CARB	California Air Resources Board
CBC	California Building Code
CC	Community Commercial
CCVT	coupling capacitor voltage transformer
CDC	California Department of Conservation

Acronym or Abbreviation	Definition
CDFW	California Department of Fish and Wildlife
CEQA	California Environmental Quality Act
CH4	methane
CIWMP	Countywide Integrated Waste Management Plan
CMC	Carson Municipal Code
CNDDB	California Natural Diversity Data Base
CNEL	Community Noise Equivalent Level
CNPS	California Native Plant Society
CO	carbon monoxide
CO2	carbon dioxide
CO2e	carbon dioxide equivalent
COC	chemical of concern
CPA	Clean Power Alliance
CPUC	California Public Utilities Commission
CUPA	Certified Unified Program Agency
dB	decibels
dBA	A-weighted decibels
DC	direct current
DPM	diesel particulate matter
DT	Downtown
EECAP	Energy Efficiency Climate Action Plan
EMFAC	on-road vehicle emissions factor
ESA	Environmental Site Assessment
FCEV	fuel cell electric vehicle
FEMA	Federal Emergency Management Agency
FIRM	Flood Insurance Rate Maps
GHG	greenhouse gas
GWh	gigawatt-hours
GWP	global warming potential
HAP	hazardous air pollutant
HFC	hydrofluorocarbon
HHD	heavy-heavy-duty
HMBP	hazardous materials business plans
HREC	historical recognized environmental condition
HVAC	heating, ventilation, and air conditioning
IPCC	Intergovernmental Panel on Climate Change

Acronym or Abbreviation	Definition
kV	kilovolt
kW	kilowatt
LACFD	Los Angeles County Fire Department
LACM	History Museum of Los Angeles County
LACMC	Los Angeles County Municipal Code
LARWQCB	Los Angeles Regional Water Quality Control Board
LASD	Los Angeles County Sheriff
LBMC	Long Beach Municipal Code
LCFS	Low Carbon Fuel Standard
LID	low impact development
LNAPL	light non-aqueous phase liquid
LOS	level of service
LST	localized significance threshold
MBTA	Migratory Bird Treaty Act
MEER	mechanical electrical equipment room
MMT	million metric ton
MRF-L	Multi-Family Residential-Low
MRF-M	Multi-Family Residential-Moderate
MRZ-2	Mineral Resource Zone 2
MT	metric ton
MTCO2e	metric ton of carbon dioxide equivalent
MV	medium-voltage
MWh	megawatt-hours
N2O	nitrous oxide
NAAQS	National Ambient Air Quality Standards
NEMA	National Electrical Manufacturers Association
NFPA	National Fire Protection Association
NI	Neo-Industrial
NOX	nitrogen oxides
NPDES	National Pollution Discharge Elimination System
NWI	National Wetlands Inventory
OEHHA	Office of Environmental Health Hazard Assessment
OIC	Operator Interface Cabinet
OS	Open Space
PFC	perfluorocarbons
PPV	peak particle velocity

Acronym or Abbreviation	Definition
RCP	Regional Comprehensive Plan
REC	recognized environmental condition
RHA	Rivers and Harbors Act
RPS	California Renewables Portfolio Standard
RSF	Regional Serving Facility
RWQCB	Regional Water Quality Control Board
SB	Senate Bill
SCADA	supervisory control and data acquisition
SCAG	Southern California Association of Governments
SCAQMD	South Coast Air Quality Management District
SCE	Southern California Edison
SF6	sulfur hexafluoride
SO2	sulfur dioxide
SPCC	spill prevention control and countermeasures
SRA	Source Receptor Area
SUSMP	Standard Urban Stormwater Mitigation Plan
SWPPP	Stormwater Pollution Prevention Plan
SWRCB	State Water Regional Control Board
TAC	toxic air contaminant
TOD-L	Transit-Oriented Development-Low
TOD-M	Transit-Oriented Development-Moderate
TSP	tubular steel pole
UL	Underwriter Laboratories
UPRR	Union Pacific railroad
USACE	United States Army Corps of Engineers
USFWS	U.S. Fish and Wildlife Service
UWMP	Urban Water Management Plan
VdB	velocity in decibels
VEC	vapor encroachment condition
VHFHSZ	very high fire hazard severity zone
VMT	vehicle miles traveled
VOC	volatile organic compound
WF	Waterfront

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Appendix A

Air Quality Greenhouse Gas Emissions, and Energy Calculations

A-1 Project Assumptions

Avocet Energy Storage Project
City of Carson, CA

Site (acres):	6.96 acres	*pg 1 PD*
Lot Area (sqft):	303,178	*Calculated*
Location:	Carson, Long Beach, Los Angeles-LA County South Coast	*CalEEMod Default*
CEC Forecasting Climate Zone:	11	*CalEEMod Default*
Utility:	SCE	*CalEEMod Default*
Operational Year:	2026	*CalEEMod Default*

Existing Site Land Uses

Parcel	CalEEMod LandUse Type	CalEEMod LandUse Subtype	Amount	Unit	Building (sq.ft.)	Lot (sq.ft)	Acres	Notes
Administrative Office Bulding	Commercial	General Office Building	11.60	1000sqft	11,600	303,178	6.96	*Pg 9 Project Description*

Total Lot (sq ft)	303,178
Total Grading %	100%

Project Land Uses

Land Use Type	CalEEMod LandUse Type	CalEEMod LandUse Subtype	Amount	Unit	Building sq.ft.	Acres	Notes
BESS							
Energy Storage Units (Buildable)/O&M	Industrial	*Industrial Park*	303.178	square ft	303,178	6.96	*02A SitePlan Layout Plan*
Landscape	-	-	14.092	square ft	14,092	0.32	*Project Description*
Gen-Tie	Parking	*Other Asphalt Surface*	162.62	square ft	162,620	3.73	*02A SitePlan Layout Plan*
SCE							
Energy Storage Units (Buildable)/O&M	Industrial	*Industrial Park*	303.178	square ft	303,178	6.96	*02A SitePlan Layout Plan*
Landscape	-	-	14.092	square ft	14,092	0.32	*Project Description*
Gen-Tie	Parking	*Other Asphalt Surface*	162.62	square ft	162,620	3.73	*02A SitePlan Layout Plan*
				Total	303,178	6.96	

Demolition Quantities

Buildings	Amount	Notes
Building Floor Area (ft^2)	11,600	*pg 10 PD*
Building Floor Space to Building Volume (FAR)	10	*Assumption*
Building Waste Volume (CY)[2]	1,074	*Calculation*
Building Waste weight (tons)[2]	534	*Calculation*

Sources:
1 Project Description
Z:\Shared\Projects\2020\D202001315.03 - Avocet BESS\03 Working Documents
2 Construction Schedule
Z:\Shared\Projects\2020\D202001315.03 - Avocet BESS\06 Project Library\Data Needs\Data Provided by Client

Avocet Energy Storage Project
City of Carson, CA

Location: Carson, Long Beach, Los Angeles-LA County South Coast
CEC Forecasting Climate Zone: 11
Utility: SCE
Size 6.96 acres

Acronyms/symbols used in the list below are:
Number of each piece of equipment
Hrs/day hours per day of operating per construction phase

Construction Schedule

Phase	CalEEMod Phase	Start Date	Completion Date	Duration	Work Days	Notes
Phase 1 - SCE						
Civil Construction	Building Construction	8/1/2024	10/1/2024	~ 2months	53	*Avocet Construction Schedule 11.8.23*
Electrical Construction/Testing	Building Construction	10/2/2024	12/24/2024	~ 3months	72	*Avocet Construction Schedule 11.8.23*
Electrical Construction	Building Construction	12/25/2024	1/5/2025	~ 10 Days	10	*Avocet Construction Schedule 11.8.23*
Electrical Construction	Building Construction	1/15/2025	2/1/2025	~ 15 Days	16	*Avocet Construction Schedule 11.8.23*
FO Cable Construction	Building Construction	2/2/2025	2/7/2025	~ 5 Days	5	*Avocet Construction Schedule 11.8.23*
FO Cable Civil Construction	Building Construction	2/8/2025	2/19/2025	~ 10 Days	10	*Avocet Construction Schedule 11.8.23*
Phase 2 - BESS[1]						
Site Preparation	Demolition	3/1/2025	3/15/2025	2 Weeks	13	*Avocet Construction Schedule 11.8.23*
Collector Substation Site Preparation	Site Preparation	3/1/2025	3/15/2025	2 Weeks	13	*Avocet Construction Schedule 11.8.23*
BESS Grading	Grading	3/1/2025	4/30/2025	2 months	52	*Avocet Construction Schedule 11.8.23*
Collector Substation Grading	Grading	3/1/2025	4/1/2025	1 month	27	*Avocet Construction Schedule 11.8.23*
Battery/Container Installation & Collector Substation Construction/Installation	Building Construction	4/1/2025	11/30/2025	7 months	209	*Avocet Construction Schedule 11.8.23*
Gen-tie Trenching	Trenching	8/1/2025	10/31/2025	3 months	79	*Avocet Construction Schedule 11.8.23*
Gen-Tie Duct Bank and Vault Installation	Building Construction	8/1/2025	10/31/2025	3 months	79	*Avocet Construction Schedule 11.8.23*
Gen-Tie Jack-and-Bore	Building Construction	11/1/2025	11/30/2025	1 month	25	*Avocet Construction Schedule 11.8.23*
Gen-Tie Road Resurface and Clean Up	Paving	12/1/2025	2/28/2026	3 months	78	*Avocet Construction Schedule 11.8.23*
Decommissioning	Building Construction	3/1/2026	3/30/2026	1 month	25	*Avocet Construction Schedule 11.8.23*

Construction Trips

Phase	# Workers/Day [1]	# Worker Trips/Day (In/Out)[2]	# Vendor Trips/Day (In/Out)	# Hauling/Concrete Truck Trips Per Day (In/Out)	Notes
Phase 1 - SCE[2]					
Civil Construction	6	12	8	0	*Avocet Construction Schedule 11.8.23*
Electrical Construction/Testing	8	16	8	2	*Avocet Construction Schedule 11.8.23*
Electrical Construction	6	16	6	0	*Avocet Construction Schedule 11.8.23*
Electrical Construction	16	36	2	0	*Avocet Construction Schedule 11.8.23*
FO Cable Construction	5	12	4	0	*Avocet Construction Schedule 11.8.23*
FO Cable Civil Construction	5	12	2	0	*Avocet Construction Schedule 11.8.23*
Phase 2 - BESS[3, 4]					
Site Preparation	20	40	2	0	*Avocet Construction Schedule 11.8.23*
Collector Substation Site Preparation	10	20	2	0	*Avocet Construction Schedule 11.8.23*
BESS Grading	30	60	2	0	*Avocet Construction Schedule 11.8.23*
Collector Substation Grading	16	32	2	0	*Avocet Construction Schedule 11.8.23*
Battery/Container Installation & Collector Substation Construction/Installation	60	120	4	4	*Avocet Construction Schedule 11.8.23*
Gen-tie Trenching	20	40	2	50	*Avocet Construction Schedule 11.8.23*
Gen-Tie Duct Bank and Vault Installation	26	52	6	0	*Avocet Construction Schedule 11.8.23*
Gen-Tie Jack-and-Bore	14	28	2	0	*Avocet Construction Schedule 11.8.23*
Gen-Tie Road Resurface and Clean Up	10	20	2	0	*Avocet Construction Schedule 11.8.23*
Decommissioning	20	40	2	30	*Avocet Construction Schedule 11.8.23*

Avocet Energy Storage Project

Phase 1 - SCE[5]

Phase	Equipment Type	CalEEMod Equipment	Gas/Diesel?	#	Hrs/day	Notes
Civil Construction						*Avocet Construction Schedule 11.8.23*
	Forklift	Forklift	Diesel	1	3	
	Reach Lift	Forklift	Diesel	1	6	
	Snorkel Lift	Aerial Lift	Diesel	1	6	
	Compactor	Plate Compactor	Gas	1	6	
	Dump Truck	Dumper	Diesel	1	6	
	Portable Generator	Generator Set	Gas	1	7	
	Excavator	Excavator	Diesel	1	6	
	Skip Steer	Skid Steer Loader	Diesel	1	6	
	Tool Truck	*Assumed as part of Vendor trips*	-	2	1	*Assumed as part of Vendor trips see Construction Trip data above.*
	Tool Trailer	*Assumed as part of Vendor trips*	-	1	1	*Assumed as part of Vendor trips see Construction Trip data above.*
	Water Buffalo	*Assumed as part of Vendor trips*	-	1	6	*Assumed as part of Vendor trips see Construction Trip data above.*
	Portable Toilets	-	-	2	7	*Not construction equipment. No need to quanitfy.*
Electrical Construction					*Avocet Construction Schedule 11.8.23*	
	Forklift	Forklift	Diesel	1	4	
	Reach Lift	Forklift	Diesel	1	8	
	Snorkel Lift	Aerial Lift	Diesel	1	8	
	Truck Crane	Crane	Diesel	1	8	*Assumed 8 hours*
	Portable Generator	Generator Set	Gas	1	8	*Assumed 8 hours*
	Tool Trailer	*Assumed as part of Vendor trips*	-	1	1	*Assumed as part of Vendor trips see Construction Trip data above.*
	Cargo Container	*Assumed as HHD Hault Trip*	-	1	8	*Assumed as HHD Hault Trip*
	Tool Truck	*Assumed as part of Vendor trips*	-	3	1	*Assumed as part of Vendor trips see Construction Trip data above.*
Electrical Construction					*Avocet Construction Schedule 11.8.23*	
	Excavator Drill	Bore Drill Rig	Diesel	1	10	
	Reach Fork	Forklift	Diesel	1	10	
	Concrete Pump	Pump	Diesel	1	10	
	Backhoe or Skid Steer	Skid Steer Loader	Diesel	1	10	
	Dump Truck(s)	Dumper	Diesel	2	10	
	Crane	Crane	Diesel	1	10	
	Tool Truck	*Assumed as part of Vendor trips*	-	1	10	*Assumed as part of Vendor trips see Construction Trip data above.*
	Water Truck	*Assumed as part of Vendor trips*	-	1	10	*Assumed as part of Vendor trips see Construction Trip data above.*
	Pickup Truck	*Assumed as part of Construction Worker Ve*	-	2	10	*Assumed as part of Construction Worker Vehicles*
	Vacuum Truck	*Assumed as part of Vendor trips*	-	1	10	*Assumed as part of Vendor trips see Construction Trip data above.*
Electrical Construction					*Avocet Construction Schedule 11.8.23*	
	2-ton Crane	Crane	Diesel	1	10	
	Bronto	Aerial lift	Diesel	2	10	
	Single Drum Puller	Dumper	Diesel	1	8	
	Pickup Truck	*Assumed as part of Construction Worker Ve*	-	2	8	*Assumed as part of Construction Worker Vehicles*
	Tool Trailer	*Assumed as part of Vendor trips*	-	1	1	*Assumed as part of Vendor trips see Construction Trip data above.*
	Wire Dollies	-	-	1	5	*Not construction equipment. No need to quanitfy.*
FO Cable Construction					*Avocet Construction Schedule 11.8.23*	
	Single Drum Puller	Dumper	Diesel	1	8	49 HP Diesel
	Bucket Truck AT200A	*Assumed as part of Vendor trips*	-	2	8	*Assumed as part of Vendor trips*
	Pickup Truck	*Assumed as part of Construction Worker Ve*	-	1	8	*Assumed as part of Construction Worker Vehicles*
	Cable Dolly	-	-	2	8	*Not a piece of construction equipment*
FO Cable Construction					*Avocet Construction Schedule 11.8.23*	
	Backhoe	Tractors/Loaders/Backhoes	Diesel	1	10	
	Dump Truck	Dumper	Diesel	1	10	
	Bucket Truck Posi Plus	Aerial Lift	Diesel	1	10	
	Pickup Truck	*Assumed as part of Construction Worker Ve*	-	1	10	*Assumed as part of Construction Worker Vehicles*
	Water Truck	*Assumed as part of Vendor trips*	-	1	8	*Assumed as part of Vendor trips see Construction Trip data above.*

Avocet Energy Storage Project

Phase 2 - BESS

Phase	Equipment Type	CalEEMod Equipment	Gas/Diesel?	#	Hrs/day	Notes
BESS Site Preparation			*CalEEMod Default*			*Avocet Construction Schedule 11.8.23*
	Graders	Grader		2	8	
	Rubber Tired Loaders (front end loader)	Rubber Tired Loader		2	8	
	Skid Steer Loaders	Skid Steer Loaders		2	8	
	Tractors/Loaders/Backhoes	Tractors/Loaders/Backhoes		2	8	
Collector Substation Site Preparation			*CalEEMod Default*			*Avocet Construction Schedule 11.8.23*
	Rubber Tired Dozer	Rubber Tired Dozer		2	8	
	Tractors/Loaders/Backhoes	Tractors/Loaders/Backhoes		2	8	
BESS Grading			*CalEEMod Default*			*Avocet Construction Schedule 11.8.23*
	Graders	Graders		2	8	
	Plate Compactors	Plate Compactors		2	8	
	Rollers	Rollers		2	8	
	Rubber Tired Loaders (front end loader)	Rubber Tired Loaders (front end loader)		2	8	
	Skid Steer Loaders	Skid Steer Loaders		2	8	
	Tractors/Loaders/	Tractors/Loaders/Backhoes		2	8	
Collector Substation Grading			*CalEEMod Default*			*Avocet Construction Schedule 11.8.23*
	Rollers	Rollers		2	8	
	Rubber Tired Dozers	Rubber Tired Dozers		2	8	
	Tractors/Loaders/Backhoes	Tractors/Loaders/Backhoes		2	8	
Battery/Container Installation/Collector Substation Construction/Installation			*CalEEMod Default*			*Avocet Construction Schedule 11.8.23*
	Air Compressors	Air Compressors		2	8	
	Aerial Lift (man lift)	Aerial Lift (man lift)		2	8	
	Bore/Drill Rig (auger drill rig)	Bore/Drill Rig (auger drill rig)		2	8	
	Cranes	Cranes		2	8	
	Excavators	Excavators		2	8	
	Generator Sets	Generator Sets		2	8	
	Graders (Gradall)	Graders (Gradall)		2	8	
	Rubber Tired Dozer (dozer)	Rubber Tired Dozer (dozer)		2	8	
	Rollers	Rollers		2	8	
	Skid Steer Loaders	Skid Steer Loaders		2	8	
	Trencher (slurry trenching machine)	Trencher (slurry trenching machine)		2	8	
	Tractors/Loaders/Backhoes	Tractors/Loaders/Backhoes		2	8	
	Plate Compactors (compactor [ground])	Plate Compactors		2	8	
Gen-tie Trenching			*CalEEMod Default*			*Avocet Construction Schedule 11.8.23*
	Pumps	Pumps		2	8	
	Skid Steer Loaders	Skid Steer Loaders		2	8	
	Trencher (slurry trenching machine)	Trencher (slurry trenching machine)		2	8	
	Tractors/Loaders/	Tractors/Loaders/Backhoes		2	8	
Gen-Tie Duct Bank and Vault Installation			*CalEEMod Default*			*Avocet Construction Schedule 11.8.23*
	Aerial Lift (man lift)	Aerial Lift (man lift)		2	8	
	Cranes	Cranes		2	8	
	Generator Sets	Generator Sets		2	8	
	Skid Steer Loaders	Skid Steer Loaders		2	8	
	Tractors/Loaders/	Tractors/Loaders/Backhoes		2	8	
Gen-Tie Jack-and-Bore			*CalEEMod Default*			*Avocet Construction Schedule 11.8.23*
	Boring Jack Power Unit (Other Construction I	Other Construction Equipment		1	8	
	Horizontal Boring Hydraulic Jack (Bore/Drill F	Bore/Drill Rig		1	8	
	Skid Steer Loaders	Skid Steer Loaders		1	8	
	Tractors/Loaders/	Tractors/Loaders/Backhoes		1	8	
	Welders	Welders		1	8	
Gen-Tie Road Resurface and Clean-up			*CalEEMod Default*			*Avocet Construction Schedule 11.8.23*
	Pavers	Pavers		1	8	
	Rollers	Rollers		1	8	
	Skid Steer Loaders	Skid Steer Loaders		1	8	
	Tractors/Loaders/	Tractors/Loaders/Backhoes		1	8	
Decomissioning			*CalEEMod Default*			*Avocet Construction Schedule 11.8.23*
	Concrete/Industrial Saws	Concrete/Industrial Saws		2	8	
	Cranes	Cranes		2	8	
	Rubber Tired Dozers	Rubber Tired Dozers		2	8	
	Tractors/Loaders/	Tractors/Loaders/Backhoes		2	8	

Sources

1. Battery/Container Installation & Collector Substation Construction/Installation combined. Both phases consist of the same equipment.
2. Construction Hours: Monday through Friday between 6:30 a.m. and 3:00 p.m
3. Construction Hours: Monday through Saturday between 7:00 a.m. and 6:00 p.m
4. Most haul trips from these phases are used to reporesent the trips in the combined phase, Battery/Container Installation & Collector Substation Construction/Installation.
5. Some equipment provided by client is not considered construction equipment with emissions in CalEEMod Off-Road Equipment. To better represent these pieces of equipement they are considered construction trips.

A-2 CalEEMod Output Files

Avocet Project - SCE Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Avocet Project - SCE
Construction Start Date	8/1/2024
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.30
Precipitation (days)	16.0
Location	23320 Alameda St, Carson, CA 90810, USA
County	Los Angeles-South Coast
City	Carson
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4618
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.20

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Industrial Park	303	1000sqft	4.00	303,178	14,092	0.00	—	—

Other Asphalt Surfaces	163	1000sqft	1.96	0.00	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	122	4.05	44.8	0.01	0.25	0.23	0.47	0.21	0.06	0.26	—	1,114	1,114	0.05	0.05	1.37	1,130
Mit.	122	3.37	45.1	0.01	0.16	0.23	0.39	0.13	0.06	0.18	—	1,114	1,114	0.05	0.05	1.37	1,130
% Reduced	< 0.5%	17%	-1%	—	35%	—	18%	38%	—	30%	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	122	11.2	44.6	0.03	0.44	0.49	0.70	0.40	0.12	0.47	—	2,875	2,875	0.12	0.08	0.05	2,894
Mit.	122	4.81	45.0	0.03	0.16	0.49	0.54	0.13	0.12	0.18	—	2,875	2,875	0.12	0.08	0.05	2,894
% Reduced	< 0.5%	57%	-1%	—	63%	—	24%	68%	—	61%	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	35.4	2.15	14.8	0.01	0.10	0.10	0.20	0.09	0.02	0.11	—	610	610	0.03	0.02	0.26	618

Mit.	35.3	1.03	15.3	0.01	0.04	0.10	0.14	0.03	0.02	0.06	—	610	610	0.03	0.02	0.26	618
% Reduced	< 0.5%	52%	-3%	—	60%	—	30%	63%	—	49%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.46	0.39	2.69	< 0.005	0.02	0.02	0.04	0.02	< 0.005	0.02	—	101	101	< 0.005	< 0.005	0.04	102
Mit.	6.44	0.19	2.78	< 0.005	0.01	0.02	0.03	0.01	< 0.005	0.01	—	101	101	< 0.005	< 0.005	0.04	102
% Reduced	< 0.5%	52%	-3%	—	60%	—	30%	63%	—	49%	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	122	4.05	44.8	0.01	0.25	0.23	0.47	0.21	0.06	0.26	—	1,114	1,114	0.05	0.05	1.37	1,130
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	122	11.2	44.6	0.03	0.44	0.31	0.70	0.40	0.08	0.47	—	2,875	2,875	0.12	0.08	0.05	2,894
2025	1.11	10.4	12.3	0.03	0.39	0.49	0.70	0.36	0.12	0.42	—	2,868	2,868	0.12	0.05	0.05	2,888
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	35.4	2.15	14.8	0.01	0.10	0.10	0.20	0.09	0.02	0.11	—	610	610	0.03	0.02	0.26	618
2025	0.06	0.53	0.65	< 0.005	0.02	0.03	0.05	0.02	0.01	0.02	—	159	159	0.01	< 0.005	0.06	160
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	6.46	0.39	2.69	< 0.005	0.02	0.02	0.04	0.02	< 0.005	0.02	—	101	101	< 0.005	< 0.005	0.04	102
2025	0.01	0.10	0.12	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	26.3	26.3	< 0.005	< 0.005	0.01	26.5

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	122	3.37	45.1	0.01	0.16	0.23	0.39	0.13	0.06	0.18	—	1,114	1,114	0.05	0.05	1.37	1,130
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	122	4.81	45.0	0.03	0.16	0.31	0.39	0.13	0.08	0.18	—	2,875	2,875	0.12	0.08	0.05	2,894
2025	0.56	4.78	15.2	0.03	0.12	0.49	0.54	0.11	0.12	0.18	—	2,868	2,868	0.12	0.05	0.05	2,888
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	35.3	1.03	15.3	0.01	0.04	0.10	0.14	0.03	0.02	0.06	—	610	610	0.03	0.02	0.26	618
2025	0.03	0.25	0.82	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	159	159	0.01	< 0.005	0.06	160
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	6.44	0.19	2.78	< 0.005	0.01	0.02	0.03	0.01	< 0.005	0.01	—	101	101	< 0.005	< 0.005	0.04	102
2025	0.01	0.05	0.15	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	26.3	26.3	< 0.005	< 0.005	0.01	26.5

3. Construction Emissions Details

3.1. Civil Construction (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	122	3.69	43.7	0.01	0.25	—	0.25	0.20	—	0.20	—	686	686	0.03	0.01	—	689
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	122	3.69	43.7	0.01	0.25	—	0.25	0.20	—	0.20	—	686	686	0.03	0.01	—	689
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	17.7	0.54	6.35	< 0.005	0.04	—	0.04	0.03	—	0.03	—	99.7	99.7	< 0.005	< 0.005	—	100
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.22	0.10	1.16	< 0.005	0.01	—	0.01	0.01	—	0.01	—	16.5	16.5	< 0.005	< 0.005	—	16.6
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.06	0.91	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	169	169	0.01	0.01	0.67	172
Vendor	0.01	0.30	0.15	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	258	258	0.01	0.04	0.70	270
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.07	0.77	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	161	161	0.01	0.01	0.02	163

Vendor	0.01	0.32	0.15	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	258	258	0.01	0.04	0.02	269
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.12	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	23.7	23.7	< 0.005	< 0.005	0.04	24.0
Vendor	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	37.5	37.5	< 0.005	0.01	0.04	39.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.92	3.92	< 0.005	< 0.005	0.01	3.97
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.21	6.21	< 0.005	< 0.005	0.01	6.47
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.2. Civil Construction (2024) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	121	3.01	44.1	0.01	0.16	—	0.16	0.12	—	0.12	—	686	686	0.03	0.01	—	689
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	121	3.01	44.1	0.01	0.16	—	0.16	0.12	—	0.12	—	686	686	0.03	0.01	—	689
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	17.6	0.44	6.40	< 0.005	0.02	—	0.02	0.02	—	0.02	—	99.7	99.7	< 0.005	< 0.005	—	100
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.22	0.08	1.17	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	16.5	16.5	< 0.005	< 0.005	—	16.6
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.06	0.91	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	169	169	0.01	0.01	0.67	172
Vendor	0.01	0.30	0.15	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	258	258	0.01	0.04	0.70	270
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.07	0.77	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	161	161	0.01	0.01	0.02	163
Vendor	0.01	0.32	0.15	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	258	258	0.01	0.04	0.02	269
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.12	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	23.7	23.7	< 0.005	< 0.005	0.04	24.0
Vendor	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	37.5	37.5	< 0.005	0.01	0.04	39.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.92	3.92	< 0.005	< 0.005	0.01	3.97

Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.21	6.21	< 0.005	< 0.005	0.01	6.47
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Electrical Construction 1 (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	89.6	6.36	39.6	0.01	0.27	—	0.27	0.24	—	0.24	—	1,423	1,423	0.06	0.01	—	1,428
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	17.7	1.26	7.82	< 0.005	0.05	—	0.05	0.05	—	0.05	—	281	281	0.01	< 0.005	—	282
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.23	0.23	1.43	< 0.005	0.01	—	0.01	0.01	—	0.01	—	46.5	46.5	< 0.005	< 0.005	—	46.6
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.09	1.02	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	214	214	0.01	0.01	0.02	217
Vendor	0.01	0.32	0.15	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	258	258	0.01	0.04	0.02	269
Hauling	< 0.005	0.18	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	141	141	0.01	0.02	0.01	148
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.02	0.21	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	42.9	42.9	< 0.005	< 0.005	0.08	43.5
Vendor	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	50.9	50.9	< 0.005	0.01	0.06	53.1
Hauling	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	27.8	27.8	< 0.005	< 0.005	0.03	29.2
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.10	7.10	< 0.005	< 0.005	0.01	7.19
Vendor	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.43	8.43	< 0.005	< 0.005	0.01	8.80
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.61	4.61	< 0.005	< 0.005	< 0.005	4.84

3.4. Electrical Construction 1 (2024) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	89.2	1.74	41.6	0.01	0.06	—	0.06	0.05	—	0.05	—	1,423	1,423	0.06	0.01	—	1,428
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	17.6	0.34	8.21	< 0.005	0.01	—	0.01	0.01	—	0.01	—	281	281	0.01	< 0.005	—	282
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.21	0.06	1.50	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	46.5	46.5	< 0.005	< 0.005	—	46.6
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.09	1.02	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	214	214	0.01	0.01	0.02	217
Vendor	0.01	0.32	0.15	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	258	258	0.01	0.04	0.02	269
Hauling	< 0.005	0.18	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	141	141	0.01	0.02	0.01	148
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.02	0.21	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	42.9	42.9	< 0.005	< 0.005	0.08	43.5
Vendor	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	50.9	50.9	< 0.005	0.01	0.06	53.1
Hauling	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	27.8	27.8	< 0.005	< 0.005	0.03	29.2
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.10	7.10	< 0.005	< 0.005	0.01	7.19
Vendor	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.43	8.43	< 0.005	< 0.005	0.01	8.80
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.61	4.61	< 0.005	< 0.005	< 0.005	4.84

3.5. Electrical Construction 2 (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.09	10.8	11.3	0.02	0.44	—	0.44	0.40	—	0.40	—	2,467	2,467	0.10	0.02	—	2,475
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.18	0.19	< 0.005	0.01	—	0.01	0.01	—	0.01	—	40.6	40.6	< 0.005	< 0.005	—	40.7
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.71	6.71	< 0.005	< 0.005	—	6.74
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.07	0.09	1.02	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	214	214	0.01	0.01	0.02	217
Vendor	0.01	0.24	0.11	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	194	194	0.01	0.03	0.01	202
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.57	3.57	< 0.005	< 0.005	0.01	3.62
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.18	3.18	< 0.005	< 0.005	< 0.005	3.32
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.59	0.59	< 0.005	< 0.005	< 0.005	0.60
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.53	0.53	< 0.005	< 0.005	< 0.005	0.55
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. Electrical Construction 2 (2024) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.49	4.48	14.1	0.02	0.12	—	0.12	0.11	—	0.11	—	2,467	2,467	0.10	0.02	—	2,475
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.01	0.07	0.23	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	40.6	40.6	< 0.005	< 0.005	—	40.7
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.01	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.71	6.71	< 0.005	< 0.005	—	6.74
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.09	1.02	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	214	214	0.01	0.01	0.02	217
Vendor	0.01	0.24	0.11	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	194	194	0.01	0.03	0.01	202
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.57	3.57	< 0.005	< 0.005	0.01	3.62
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.18	3.18	< 0.005	< 0.005	< 0.005	3.32
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.59	0.59	< 0.005	< 0.005	< 0.005	0.60
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.53	0.53	< 0.005	< 0.005	< 0.005	0.55
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Electrical Construction 2 (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.04	10.1	11.2	0.02	0.39	—	0.39	0.36	—	0.36	—	2,468	2,468	0.10	0.02	—	2,477
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.12	0.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	29.0	29.0	< 0.005	< 0.005	—	29.1
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.80	4.80	< 0.005	< 0.005	—	4.81
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.08	0.94	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	210	210	0.01	0.01	0.02	212
Vendor	0.01	0.23	0.11	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	190	190	0.01	0.03	0.01	199

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.50	2.50	< 0.005	< 0.005	< 0.005	2.53
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.24	2.24	< 0.005	< 0.005	< 0.005	2.33
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.41	0.41	< 0.005	< 0.005	< 0.005	0.42
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.37	0.37	< 0.005	< 0.005	< 0.005	0.39
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Electrical Construction 2 (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.49	4.48	14.1	0.02	0.12	—	0.12	0.11	—	0.11	—	2,468	2,468	0.10	0.02	—	2,477
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.05	0.17	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	29.0	29.0	< 0.005	< 0.005	—	29.1
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.01	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.80	4.80	< 0.005	< 0.005	—	4.81
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.08	0.94	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	210	210	0.01	0.01	0.02	212
Vendor	0.01	0.23	0.11	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	190	190	0.01	0.03	0.01	199
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.50	2.50	< 0.005	< 0.005	< 0.005	2.53
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.24	2.24	< 0.005	< 0.005	< 0.005	2.33
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.41	0.41	< 0.005	< 0.005	< 0.005	0.42
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.37	0.37	< 0.005	< 0.005	< 0.005	0.39
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Electrical Construction 3 (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.63	6.85	6.10	0.02	0.22	—	0.22	0.20	—	0.20	—	1,668	1,668	0.07	0.01	—	1,674
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.30	0.27	< 0.005	0.01	—	0.01	0.01	—	0.01	—	73.1	73.1	< 0.005	< 0.005	—	73.4
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.05	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.1	12.1	< 0.005	< 0.005	—	12.1
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.17	2.12	0.00	0.00	0.47	0.47	0.00	0.11	0.11	—	472	472	0.02	0.02	0.05	478
Vendor	< 0.005	0.08	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	63.5	63.5	< 0.005	0.01	< 0.005	66.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.01	0.01	0.10	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	21.0	21.0	< 0.005	< 0.005	0.03	21.3
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.78	2.78	< 0.005	< 0.005	< 0.005	2.90
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.47	3.47	< 0.005	< 0.005	0.01	3.52
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.46	0.46	< 0.005	< 0.005	< 0.005	0.48
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Electrical Construction 3 (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.24	2.81	8.93	0.02	0.05	—	0.05	0.05	—	0.05	—	1,668	1,668	0.07	0.01	—	1,674
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.12	0.39	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	73.1	73.1	< 0.005	< 0.005	—	73.4
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.02	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.1	12.1	< 0.005	< 0.005	—	12.1

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.17	2.12	0.00	0.00	0.47	0.47	0.00	0.11	0.11	—	472	472	0.02	0.02	0.05	478
Vendor	< 0.005	0.08	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	63.5	63.5	< 0.005	0.01	< 0.005	66.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.10	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	21.0	21.0	< 0.005	< 0.005	0.03	21.3
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.78	2.78	< 0.005	< 0.005	< 0.005	2.90
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.47	3.47	< 0.005	< 0.005	0.01	3.52
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.46	0.46	< 0.005	< 0.005	< 0.005	0.48
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. FO Cable Construction 1 (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.47	0.25	< 0.005	0.02	—	0.02	0.02	—	0.02	—	61.4	61.4	< 0.005	< 0.005	—	61.6
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.84	0.84	< 0.005	< 0.005	—	0.84
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.14	0.14	< 0.005	< 0.005	—	0.14
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.06	0.71	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	157	157	0.01	0.01	0.02	159
Vendor	< 0.005	0.15	0.07	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	127	127	0.01	0.02	0.01	132
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.19	2.19	< 0.005	< 0.005	< 0.005	2.22
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.74	1.74	< 0.005	< 0.005	< 0.005	1.82
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.36	0.36	< 0.005	< 0.005	< 0.005	0.37
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.29	0.29	< 0.005	< 0.005	< 0.005	0.30
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. FO Cable Construction 1 (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.47	0.25	< 0.005	0.02	—	0.02	0.02	—	0.02	—	61.4	61.4	< 0.005	< 0.005	—	61.6
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.84	0.84	< 0.005	< 0.005	—	0.84
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.14	0.14	< 0.005	< 0.005	—	0.14
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.06	0.71	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	157	157	0.01	0.01	0.02	159
Vendor	< 0.005	0.15	0.07	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	127	127	0.01	0.02	0.01	132
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.19	2.19	< 0.005	< 0.005	< 0.005	2.22
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.74	1.74	< 0.005	< 0.005	< 0.005	1.82
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.36	0.36	< 0.005	< 0.005	< 0.005	0.37
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.29	0.29	< 0.005	< 0.005	< 0.005	0.30
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.13. FO Cable Construction 2 (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.26	2.87	3.67	0.01	0.08	—	0.08	0.07	—	0.07	—	624	624	0.03	0.01	—	627

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.08	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	17.1	17.1	< 0.005	< 0.005	—	17.2
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.01	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.83	2.83	< 0.005	< 0.005	—	2.84
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.06	0.71	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	157	157	0.01	0.01	0.02	159
Vendor	< 0.005	0.08	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	63.5	63.5	< 0.005	0.01	< 0.005	66.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.37	4.37	< 0.005	< 0.005	0.01	4.43
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.74	1.74	< 0.005	< 0.005	< 0.005	1.82
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.72	0.72	< 0.005	< 0.005	< 0.005	0.73
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.29	0.29	< 0.005	< 0.005	< 0.005	0.30
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.14. FO Cable Construction 2 (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	1.63	4.14	0.01	0.03	—	0.03	0.03	—	0.03	—	624	624	0.03	0.01	—	627
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.04	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	17.1	17.1	< 0.005	< 0.005	—	17.2
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.01	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.83	2.83	< 0.005	< 0.005	—	2.84
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.05	0.06	0.71	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	157	157	0.01	0.01	0.02	159
Vendor	< 0.005	0.08	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	63.5	63.5	< 0.005	0.01	< 0.005	66.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.37	4.37	< 0.005	< 0.005	0.01	4.43
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.74	1.74	< 0.005	< 0.005	< 0.005	1.82
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.72	0.72	< 0.005	< 0.005	< 0.005	0.73
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.29	0.29	< 0.005	< 0.005	< 0.005	0.30
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Civil Construction	Building Construction	8/1/2024	10/1/2024	6.00	53.0	—
Electrical Construction 1	Building Construction	10/2/2024	12/24/2024	6.00	72.0	—
Electrical Construction 2	Building Construction	12/25/2024	1/5/2025	6.00	10.0	—
Electrical Construction 3	Building Construction	1/15/2025	2/1/2025	6.00	16.0	—
FO Cable Construction 1	Building Construction	2/2/2025	2/7/2025	6.00	5.00	—
FO Cable Construction 2	Building Construction	2/8/2025	2/19/2025	6.00	10.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Civil Construction	Forklifts	Diesel	Average	1.00	3.00	82.0	0.20
Civil Construction	Forklifts	Diesel	Average	1.00	6.00	82.0	0.20
Civil Construction	Aerial Lifts	Diesel	Average	1.00	6.00	46.0	0.31
Civil Construction	Plate Compactors	Gasoline	Average	1.00	6.00	6.00	0.55
Civil Construction	Dumpers/Tenders	Diesel	Average	1.00	6.00	16.0	0.38
Civil Construction	Generator Sets	Gasoline	Average	1.00	7.00	11.0	0.68
Civil Construction	Excavators	Diesel	Average	1.00	6.00	36.0	0.38
Civil Construction	Skid Steer Loaders	Diesel	Average	1.00	6.00	71.0	0.37
Electrical Construction 1	Forklifts	Diesel	Average	1.00	4.00	82.0	0.20
Electrical Construction 1	Forklifts	Diesel	Average	1.00	8.00	82.0	0.20
Electrical Construction 1	Aerial Lifts	Diesel	Average	1.00	8.00	46.0	0.31

Electrical Construction 1	Cranes	Diesel	Average	1.00	8.00	367	0.29
Electrical Construction 1	Generator Sets	Gasoline	Average	1.00	8.00	11.0	0.68
Electrical Construction 2	Bore/Drill Rigs	Diesel	Average	1.00	10.0	83.0	0.50
Electrical Construction 2	Forklifts	Diesel	Average	1.00	10.0	82.0	0.20
Electrical Construction 2	Pumps	Diesel	Average	1.00	10.0	11.0	0.74
Electrical Construction 2	Skid Steer Loaders	Diesel	Average	1.00	10.0	71.0	0.37
Electrical Construction 2	Dumpers/Tenders	Diesel	Average	2.00	10.0	16.0	0.38
Electrical Construction 2	Cranes	Diesel	Average	1.00	10.0	367	0.29
Electrical Construction 3	Cranes	Diesel	Average	1.00	10.0	367	0.29
Electrical Construction 3	Aerial Lifts	Diesel	Average	2.00	10.0	46.0	0.31
Electrical Construction 3	Dumpers/Tenders	Diesel	Average	1.00	8.00	16.0	0.38
FO Cable Construction 1	Dumpers/Tenders	Diesel	Average	1.00	8.00	16.0	0.38
FO Cable Construction 2	Tractors/Loaders/Backhoes	Diesel	Average	1.00	10.0	84.0	0.37
FO Cable Construction 2	Dumpers/Tenders	Diesel	Average	1.00	10.0	16.0	0.38
FO Cable Construction 2	Aerial Lifts	Diesel	Average	1.00	10.0	46.0	0.31

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

Civil Construction	Forklifts	Diesel	Tier 4 Final	1.00	3.00	82.0	0.20
Civil Construction	Forklifts	Diesel	Tier 4 Final	1.00	6.00	82.0	0.20
Civil Construction	Aerial Lifts	Diesel	Tier 4 Final	1.00	6.00	46.0	0.31
Civil Construction	Plate Compactors	Gasoline	Average	1.00	6.00	6.00	0.55
Civil Construction	Dumpers/Tenders	Diesel	Average	1.00	6.00	16.0	0.38
Civil Construction	Generator Sets	Gasoline	Average	1.00	7.00	11.0	0.68
Civil Construction	Excavators	Diesel	Tier 4 Final	1.00	6.00	36.0	0.38
Civil Construction	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	6.00	71.0	0.37
Electrical Construction 1	Forklifts	Diesel	Tier 4 Final	1.00	4.00	82.0	0.20
Electrical Construction 1	Forklifts	Diesel	Tier 4 Final	1.00	8.00	82.0	0.20
Electrical Construction 1	Aerial Lifts	Diesel	Tier 4 Final	1.00	8.00	46.0	0.31
Electrical Construction 1	Cranes	Diesel	Tier 4 Final	1.00	8.00	367	0.29
Electrical Construction 1	Generator Sets	Gasoline	Average	1.00	8.00	11.0	0.68
Electrical Construction 2	Bore/Drill Rigs	Diesel	Tier 4 Final	1.00	10.0	83.0	0.50
Electrical Construction 2	Forklifts	Diesel	Tier 4 Final	1.00	10.0	82.0	0.20
Electrical Construction 2	Pumps	Diesel	Average	1.00	10.0	11.0	0.74
Electrical Construction 2	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	10.0	71.0	0.37
Electrical Construction 2	Dumpers/Tenders	Diesel	Average	2.00	10.0	16.0	0.38
Electrical Construction 2	Cranes	Diesel	Tier 4 Final	1.00	10.0	367	0.29
Electrical Construction 3	Cranes	Diesel	Tier 4 Final	1.00	10.0	367	0.29

Electrical Construction 3	Aerial Lifts	Diesel	Tier 4 Final	2.00	10.0	46.0	0.31
Electrical Construction 3	Dumpers/Tenders	Diesel	Average	1.00	8.00	16.0	0.38
FO Cable Construction 1	Dumpers/Tenders	Diesel	Average	1.00	8.00	16.0	0.38
FO Cable Construction 2	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	10.0	84.0	0.37
FO Cable Construction 2	Dumpers/Tenders	Diesel	Average	1.00	10.0	16.0	0.38
FO Cable Construction 2	Aerial Lifts	Diesel	Tier 4 Final	1.00	10.0	46.0	0.31

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Civil Construction	—	—	—	—
Civil Construction	Worker	12.0	18.5	LDA,LDT1,LDT2
Civil Construction	Vendor	8.00	10.2	HHDT,MHDT
Civil Construction	Hauling	0.00	20.0	HHDT
Civil Construction	Onsite truck	—	—	HHDT
Electrical Construction 1	—	—	—	—
Electrical Construction 1	Worker	16.0	18.5	LDA,LDT1,LDT2
Electrical Construction 1	Vendor	8.00	10.2	HHDT,MHDT
Electrical Construction 1	Hauling	2.00	20.0	HHDT
Electrical Construction 1	Onsite truck	—	—	HHDT
Electrical Construction 2	—	—	—	—
Electrical Construction 2	Worker	16.0	18.5	LDA,LDT1,LDT2
Electrical Construction 2	Vendor	6.00	10.2	HHDT,MHDT

Electrical Construction 2	Hauling	0.00	20.0	HHDT
Electrical Construction 2	Onsite truck	—	—	HHDT
Electrical Construction 3	—	—	—	—
Electrical Construction 3	Worker	36.0	18.5	LDA,LDT1,LDT2
Electrical Construction 3	Vendor	2.00	10.2	HHDT,MHDT
Electrical Construction 3	Hauling	0.00	20.0	HHDT
Electrical Construction 3	Onsite truck	—	—	HHDT
FO Cable Construction 1	—	—	—	—
FO Cable Construction 1	Worker	12.0	18.5	LDA,LDT1,LDT2
FO Cable Construction 1	Vendor	4.00	10.2	HHDT,MHDT
FO Cable Construction 1	Hauling	0.00	20.0	HHDT
FO Cable Construction 1	Onsite truck	—	—	HHDT
FO Cable Construction 2	—	—	—	—
FO Cable Construction 2	Worker	12.0	18.5	LDA,LDT1,LDT2
FO Cable Construction 2	Vendor	2.00	10.2	HHDT,MHDT
FO Cable Construction 2	Hauling	0.00	20.0	HHDT
FO Cable Construction 2	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Civil Construction	—	—	—	—
Civil Construction	Worker	12.0	18.5	LDA,LDT1,LDT2
Civil Construction	Vendor	8.00	10.2	HHDT,MHDT
Civil Construction	Hauling	0.00	20.0	HHDT
Civil Construction	Onsite truck	—	—	HHDT
Electrical Construction 1	—	—	—	—
Electrical Construction 1	Worker	16.0	18.5	LDA,LDT1,LDT2

Electrical Construction 1	Vendor	8.00	10.2	HHDT,MHDT
Electrical Construction 1	Hauling	2.00	20.0	HHDT
Electrical Construction 1	Onsite truck	—	—	HHDT
Electrical Construction 2	—	—	—	—
Electrical Construction 2	Worker	16.0	18.5	LDA,LDT1,LDT2
Electrical Construction 2	Vendor	6.00	10.2	HHDT,MHDT
Electrical Construction 2	Hauling	0.00	20.0	HHDT
Electrical Construction 2	Onsite truck	—	—	HHDT
Electrical Construction 3	—	—	—	—
Electrical Construction 3	Worker	36.0	18.5	LDA,LDT1,LDT2
Electrical Construction 3	Vendor	2.00	10.2	HHDT,MHDT
Electrical Construction 3	Hauling	0.00	20.0	HHDT
Electrical Construction 3	Onsite truck	—	—	HHDT
FO Cable Construction 1	—	—	—	—
FO Cable Construction 1	Worker	12.0	18.5	LDA,LDT1,LDT2
FO Cable Construction 1	Vendor	4.00	10.2	HHDT,MHDT
FO Cable Construction 1	Hauling	0.00	20.0	HHDT
FO Cable Construction 1	Onsite truck	—	—	HHDT
FO Cable Construction 2	—	—	—	—
FO Cable Construction 2	Worker	12.0	18.5	LDA,LDT1,LDT2
FO Cable Construction 2	Vendor	2.00	10.2	HHDT,MHDT
FO Cable Construction 2	Hauling	0.00	20.0	HHDT
FO Cable Construction 2	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Industrial Park	0.00	0%
Other Asphalt Surfaces	1.96	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2024	0.00	349	0.03	< 0.005
2025	0.00	349	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	6.24	annual days of extreme heat
Extreme Precipitation	4.10	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	20.8
AQ-PM	70.3
AQ-DPM	87.0

Drinking Water	—
Lead Risk Housing	—
Pesticides	12.4
Toxic Releases	99.9
Traffic	82.1
Effect Indicators	—
CleanUp Sites	99.3
Groundwater	98.5
Haz Waste Facilities/Generators	99.8
Impaired Water Bodies	98.7
Solid Waste	96.4
Sensitive Population	—
Asthma	—
Cardio-vascular	—
Low Birth Weights	—
Socioeconomic Factor Indicators	—
Education	—
Housing	—
Linguistic	—
Poverty	—
Unemployment	—

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	—

Employed	—
Median HI	—
Education	—
Bachelor's or higher	—
High school enrollment	—
Preschool enrollment	—
Transportation	—
Auto Access	—
Active commuting	—
Social	—
2-parent households	—
Voting	—
Neighborhood	—
Alcohol availability	—
Park access	—
Retail density	—
Supermarket access	—
Tree canopy	—
Housing	—
Homeownership	—
Housing habitability	—
Low-inc homeowner severe housing cost burden	—
Low-inc renter severe housing cost burden	—
Uncrowded housing	—
Health Outcomes	—
Insured adults	—
Arthritis	0.0

Asthma ER Admissions	99.9
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	0.0
Cognitively Disabled	0.0
Physically Disabled	0.0
Heart Attack ER Admissions	99.9
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	0.0
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	0.0
Elderly	0.0
English Speaking	0.0

Foreign-born	0.0
Outdoor Workers	0.0
Climate Change Adaptive Capacity	—
Impervious Surface Cover	0.0
Traffic Density	0.0
Traffic Access	0.0
Other Indices	—
Hardship	0.0
Other Decision Support	—
2016 Voting	0.0

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	—
Healthy Places Index Score for Project Location (b)	—
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	Wilmington Long Beach Carson

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	Project Assumptions
Construction: Off-Road Equipment	Project Assumptions provided by client
Construction: Trips and VMT	Project Assumptions. Trips provided by client
Land Use	Project Assumptions based on client data and site plans

Avocet Project - BESS Detailed Report

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Avocet Project - BESS
Construction Start Date	3/1/2025
Operational Year	2026
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.30
Precipitation (days)	16.0
Location	23320 Alameda St, Carson, CA 90810, USA
County	Los Angeles-South Coast
City	Carson
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4618
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.20

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description

Industrial Park	303	1000sqft	4.00	303,178	14,092	0.00	—	—
Other Asphalt Surfaces	163	1000sqft	1.96	0.00	0.00	0.00	—	Gen-tie lines

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	10.7	89.0	112	0.17	3.77	17.1	20.8	3.47	7.54	11.0	—	21,874	21,874	0.94	0.86	20.5	22,174
Mit.	3.20	34.6	116	0.17	0.52	17.1	17.5	0.50	7.54	7.95	—	21,874	21,874	0.94	0.86	20.5	22,174
% Reduced	70%	61%	-4%	—	86%	—	16%	86%	—	28%	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	8.71	78.2	93.9	0.17	3.23	29.9	33.1	2.97	14.2	17.1	—	21,722	21,722	0.95	0.87	0.53	22,005
Mit.	3.18	34.9	103	0.17	0.52	29.9	30.2	0.50	14.2	14.4	—	21,722	21,722	0.95	0.87	0.53	22,005
% Reduced	63%	55%	-10%	—	84%	—	9%	83%	—	16%	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	4.74	41.1	50.5	0.08	1.63	3.25	4.88	1.50	1.15	2.65	—	10,274	10,274	0.44	0.28	3.39	10,371
Mit.	1.54	15.3	54.1	0.08	0.23	3.25	3.48	0.22	1.15	1.38	—	10,274	10,274	0.44	0.28	3.39	10,371
% Reduced	68%	63%	-7%	—	86%	—	29%	85%	—	48%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.87	7.49	9.21	0.01	0.30	0.59	0.89	0.27	0.21	0.48	—	1,701	1,701	0.07	0.05	0.56	1,717
Mit.	0.28	2.80	9.88	0.01	0.04	0.59	0.64	0.04	0.21	0.25	—	1,701	1,701	0.07	0.05	0.56	1,717
% Reduced	68%	63%	-7%	—	86%	—	29%	85%	—	48%	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	10.7	89.0	112	0.17	3.77	17.1	20.8	3.47	7.54	11.0	—	21,874	21,874	0.94	0.86	20.5	22,174
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	8.71	78.2	93.9	0.17	3.23	29.9	33.1	2.97	14.2	17.1	—	21,722	21,722	0.95	0.87	0.53	22,005
2026	3.30	31.4	31.0	0.07	1.19	1.10	2.28	1.09	0.28	1.37	—	8,424	8,424	0.37	0.40	0.17	8,553
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	4.74	41.1	50.5	0.08	1.63	3.25	4.88	1.50	1.15	2.65	—	10,274	10,274	0.44	0.28	3.39	10,371
2026	0.31	2.77	3.19	0.01	0.11	0.11	0.22	0.10	0.03	0.13	—	760	760	0.03	0.03	0.26	770
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.87	7.49	9.21	0.01	0.30	0.59	0.89	0.27	0.21	0.48	—	1,701	1,701	0.07	0.05	0.56	1,717
2026	0.06	0.51	0.58	< 0.005	0.02	0.02	0.04	0.02	0.01	0.02	—	126	126	0.01	0.01	0.04	128

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	3.20	34.6	116	0.17	0.52	17.1	17.5	0.50	7.54	7.95	—	21,874	21,874	0.94	0.86	20.5	22,174
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	3.18	34.9	103	0.17	0.52	29.9	30.2	0.50	14.2	14.4	—	21,722	21,722	0.95	0.87	0.53	22,005
2026	0.76	7.74	34.0	0.07	0.14	1.10	1.23	0.14	0.28	0.42	—	8,424	8,424	0.37	0.40	0.17	8,553
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.54	15.3	54.1	0.08	0.23	3.25	3.48	0.22	1.15	1.38	—	10,274	10,274	0.44	0.28	3.39	10,371
2026	0.09	0.87	3.46	0.01	0.01	0.11	0.12	0.01	0.03	0.04	—	760	760	0.03	0.03	0.26	770
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.28	2.80	9.88	0.01	0.04	0.59	0.64	0.04	0.21	0.25	—	1,701	1,701	0.07	0.05	0.56	1,717
2026	0.02	0.16	0.63	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	126	126	0.01	0.01	0.04	128

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	9.55	2.18	14.9	0.01	0.18	0.00	0.18	0.17	0.00	0.17	337	8,095	8,432	34.8	0.40	78.9	9,499
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	7.38	2.06	1.73	0.01	0.16	0.00	0.16	0.16	0.00	0.16	337	8,041	8,378	34.8	0.40	78.9	9,444
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	8.87	2.14	10.8	0.01	0.17	0.00	0.17	0.17	0.00	0.17	337	8,078	8,415	34.8	0.40	78.9	9,481
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.62	0.39	1.96	< 0.005	0.03	0.00	0.03	0.03	0.00	0.03	55.8	1,337	1,393	5.76	0.07	13.1	1,570

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	9.44	0.11	13.2	< 0.005	0.02	—	0.02	0.02	—	0.02	—	54.2	54.2	< 0.005	< 0.005	—	54.4
Energy	0.11	2.06	1.73	0.01	0.16	—	0.16	0.16	—	0.16	—	7,587	7,587	0.71	0.06	—	7,624
Water	—	—	—	—	—	—	—	—	—	—	134	454	588	13.8	0.33	—	1,033
Waste	—	—	—	—	—	—	—	—	—	—	203	0.00	203	20.3	0.00	—	709
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	78.9	78.9
Total	9.55	2.18	14.9	0.01	0.18	0.00	0.18	0.17	0.00	0.17	337	8,095	8,432	34.8	0.40	78.9	9,499
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	7.27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.11	2.06	1.73	0.01	0.16	—	0.16	0.16	—	0.16	—	7,587	7,587	0.71	0.06	—	7,624
Water	—	—	—	—	—	—	—	—	—	—	134	454	588	13.8	0.33	—	1,033
Waste	—	—	—	—	—	—	—	—	—	—	203	0.00	203	20.3	0.00	—	709

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	78.9	78.9
Total	7.38	2.06	1.73	0.01	0.16	0.00	0.16	0.16	0.00	0.16	337	8,041	8,378	34.8	0.40	78.9	9,444
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	8.75	0.08	9.03	< 0.005	0.02	—	0.02	0.01	—	0.01	—	37.1	37.1	< 0.005	< 0.005	—	37.3
Energy	0.11	2.06	1.73	0.01	0.16	—	0.16	0.16	—	0.16	—	7,587	7,587	0.71	0.06	—	7,624
Water	—	—	—	—	—	—	—	—	—	—	134	454	588	13.8	0.33	—	1,033
Waste	—	—	—	—	—	—	—	—	—	—	203	0.00	203	20.3	0.00	—	709
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	78.9	78.9
Total	8.87	2.14	10.8	0.01	0.17	0.00	0.17	0.17	0.00	0.17	337	8,078	8,415	34.8	0.40	78.9	9,481
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	1.60	0.01	1.65	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.15	6.15	< 0.005	< 0.005	—	6.17
Energy	0.02	0.38	0.32	< 0.005	0.03	—	0.03	0.03	—	0.03	—	1,256	1,256	0.12	0.01	—	1,262
Water	—	—	—	—	—	—	—	—	—	—	22.2	75.1	97.4	2.29	0.06	—	171
Waste	—	—	—	—	—	—	—	—	—	—	33.5	0.00	33.5	3.35	0.00	—	117
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13.1	13.1
Total	1.62	0.39	1.96	< 0.005	0.03	0.00	0.03	0.03	0.00	0.03	55.8	1,337	1,393	5.76	0.07	13.1	1,570

2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	9.44	0.11	13.2	< 0.005	0.02	—	0.02	0.02	—	0.02	—	54.2	54.2	< 0.005	< 0.005	—	54.4

Energy	0.11	2.06	1.73	0.01	0.16	—	0.16	0.16	—	0.16	—	7,587	7,587	0.71	0.06	—	7,624
Water	—	—	—	—	—	—	—	—	—	—	134	454	588	13.8	0.33	—	1,033
Waste	—	—	—	—	—	—	—	—	—	—	203	0.00	203	20.3	0.00	—	709
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	78.9	78.9
Total	9.55	2.18	14.9	0.01	0.18	0.00	0.18	0.17	0.00	0.17	337	8,095	8,432	34.8	0.40	78.9	9,499
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	7.27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.11	2.06	1.73	0.01	0.16	—	0.16	0.16	—	0.16	—	7,587	7,587	0.71	0.06	—	7,624
Water	—	—	—	—	—	—	—	—	—	—	134	454	588	13.8	0.33	—	1,033
Waste	—	—	—	—	—	—	—	—	—	—	203	0.00	203	20.3	0.00	—	709
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	78.9	78.9
Total	7.38	2.06	1.73	0.01	0.16	0.00	0.16	0.16	0.00	0.16	337	8,041	8,378	34.8	0.40	78.9	9,444
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	8.75	0.08	9.03	< 0.005	0.02	—	0.02	0.01	—	0.01	—	37.1	37.1	< 0.005	< 0.005	—	37.3
Energy	0.11	2.06	1.73	0.01	0.16	—	0.16	0.16	—	0.16	—	7,587	7,587	0.71	0.06	—	7,624
Water	—	—	—	—	—	—	—	—	—	—	134	454	588	13.8	0.33	—	1,033
Waste	—	—	—	—	—	—	—	—	—	—	203	0.00	203	20.3	0.00	—	709
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	78.9	78.9
Total	8.87	2.14	10.8	0.01	0.17	0.00	0.17	0.17	0.00	0.17	337	8,078	8,415	34.8	0.40	78.9	9,481
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	1.60	0.01	1.65	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.15	6.15	< 0.005	< 0.005	—	6.17
Energy	0.02	0.38	0.32	< 0.005	0.03	—	0.03	0.03	—	0.03	—	1,256	1,256	0.12	0.01	—	1,262
Water	—	—	—	—	—	—	—	—	—	—	22.2	75.1	97.4	2.29	0.06	—	171

Waste	—	—	—	—	—	—	—	—	—	—	33.5	0.00	33.5	3.35	0.00	—	117
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13.1	13.1
Total	1.62	0.39	1.96	< 0.005	0.03	0.00	0.03	0.03	0.00	0.03	55.8	1,337	1,393	5.76	0.07	13.1	1,570

3. Construction Emissions Details

3.1. Site Preparation (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.50	13.1	20.4	0.03	0.64	—	0.64	0.59	—	0.59	—	3,210	3,210	0.13	0.03	—	3,221
Demolition	—	—	—	—	—	0.56	0.56	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.47	0.73	< 0.005	0.02	—	0.02	0.02	—	0.02	—	114	114	< 0.005	< 0.005	—	115
Demolition	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.01	0.09	0.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	18.9	18.9	< 0.005	< 0.005	—	19.0
Demolition	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.19	2.36	0.00	0.00	0.52	0.52	0.00	0.12	0.12	—	524	524	0.02	0.02	0.05	531
Vendor	< 0.005	0.08	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	63.5	63.5	< 0.005	0.01	< 0.005	66.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.09	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	18.9	18.9	< 0.005	< 0.005	0.03	19.2
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.26	2.26	< 0.005	< 0.005	< 0.005	2.36
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.14	3.14	< 0.005	< 0.005	0.01	3.18
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.37	0.37	< 0.005	< 0.005	< 0.005	0.39
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.2. Site Preparation (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34	3.88	22.5	0.03	0.06	—	0.06	0.06	—	0.06	—	3,210	3,210	0.13	0.03	—	3,221
Demolition	—	—	—	—	—	0.56	0.56	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.14	0.80	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	114	114	< 0.005	< 0.005	—	115
Demolition	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.03	0.15	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	18.9	18.9	< 0.005	< 0.005	—	19.0
Demolition	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.17	0.19	2.36	0.00	0.00	0.52	0.52	0.00	0.12	0.12	—	524	524	0.02	0.02	0.05	531
Vendor	< 0.005	0.08	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	63.5	63.5	< 0.005	0.01	< 0.005	66.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.09	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	18.9	18.9	< 0.005	< 0.005	0.03	19.2
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.26	2.26	< 0.005	< 0.005	< 0.005	2.36
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.14	3.14	< 0.005	< 0.005	0.01	3.18
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.37	0.37	< 0.005	< 0.005	< 0.005	0.39
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Collector Substation Site Preparation (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.14	20.4	18.8	0.03	0.88	—	0.88	0.81	—	0.81	—	3,337	3,337	0.14	0.03	—	3,348
Dust From Material Movement	—	—	—	—	—	13.1	13.1	—	6.73	6.73	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.73	0.67	< 0.005	0.03	—	0.03	0.03	—	0.03	—	119	119	< 0.005	< 0.005	—	119
Dust From Material Movement	—	—	—	—	—	0.47	0.47	—	0.24	0.24	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.13	0.12	< 0.005	0.01	—	0.01	0.01	—	0.01	—	19.7	19.7	< 0.005	< 0.005	—	19.7
Dust From Material Movement	—	—	—	—	—	0.09	0.09	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.10	1.18	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	262	262	0.01	0.01	0.03	265
Vendor	< 0.005	0.08	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	63.5	63.5	< 0.005	0.01	< 0.005	66.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.47	9.47	< 0.005	< 0.005	0.02	9.60
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.26	2.26	< 0.005	< 0.005	< 0.005	2.36

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.57	1.57	< 0.005	< 0.005	< 0.005	1.59
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.37	0.37	< 0.005	< 0.005	< 0.005	0.39
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.4. Collector Substation Site Preparation (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.31	1.63	17.5	0.03	0.06	—	0.06	0.06	—	0.06	—	3,337	3,337	0.14	0.03	—	3,348
Dust From Material Movement	—	—	—	—	—	13.1	13.1	—	6.73	6.73	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.06	0.62	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	119	119	< 0.005	< 0.005	—	119
Dust From Material Movement	—	—	—	—	—	0.47	0.47	—	0.24	0.24	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.01	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	19.7	19.7	< 0.005	< 0.005	—	19.7
Dust From Material Movement	—	—	—	—	—	0.09	0.09	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.10	1.18	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	262	262	0.01	0.01	0.03	265
Vendor	< 0.005	0.08	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	63.5	63.5	< 0.005	0.01	< 0.005	66.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.47	9.47	< 0.005	< 0.005	0.02	9.60
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.26	2.26	< 0.005	< 0.005	< 0.005	2.36
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.57	1.57	< 0.005	< 0.005	< 0.005	1.59
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.37	0.37	< 0.005	< 0.005	< 0.005	0.39
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. BESS Grading (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.84	15.4	22.8	0.03	0.74	—	0.74	0.68	—	0.68	—	3,562	3,562	0.14	0.03	—	3,574
Dust From Material Movement	—	—	—	—	—	1.06	1.06	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.84	15.4	22.8	0.03	0.74	—	0.74	0.68	—	0.68	—	3,562	3,562	0.14	0.03	—	3,574
Dust From Material Movement	—	—	—	—	—	1.06	1.06	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.26	2.19	3.25	< 0.005	0.11	—	0.11	0.10	—	0.10	—	507	507	0.02	< 0.005	—	509
Dust From Material Movement	—	—	—	—	—	0.15	0.15	—	0.02	0.02	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.40	0.59	< 0.005	0.02	—	0.02	0.02	—	0.02	—	84.0	84.0	< 0.005	< 0.005	—	84.3
Dust From Material Movement	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.26	0.26	4.17	0.00	0.00	0.78	0.78	0.00	0.18	0.18	—	830	830	0.04	0.03	3.04	842
Vendor	< 0.005	0.07	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	63.5	63.5	< 0.005	0.01	0.17	66.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.29	3.54	0.00	0.00	0.78	0.78	0.00	0.18	0.18	—	786	786	0.04	0.03	0.08	796
Vendor	< 0.005	0.08	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	63.5	63.5	< 0.005	0.01	< 0.005	66.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.53	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	114	114	0.01	< 0.005	0.19	115
Vendor	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	9.04	9.04	< 0.005	< 0.005	0.01	9.44
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.10	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	18.8	18.8	< 0.005	< 0.005	0.03	19.1
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.50	1.50	< 0.005	< 0.005	< 0.005	1.56

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. BESS Grading (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.45	5.71	24.9	0.03	0.09	—	0.09	0.08	—	0.08	—	3,562	3,562	0.14	0.03	—	3,574
Dust From Material Movement	—	—	—	—	—	1.06	1.06	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.45	5.71	24.9	0.03	0.09	—	0.09	0.08	—	0.08	—	3,562	3,562	0.14	0.03	—	3,574
Dust From Material Movement	—	—	—	—	—	1.06	1.06	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.81	3.54	< 0.005	0.01	—	0.01	0.01	—	0.01	—	507	507	0.02	< 0.005	—	509

Dust From Material Movement	—	—	—	—	—	0.15	0.15	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.15	0.65	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	84.0	84.0	< 0.005	< 0.005	—	84.3
Dust From Material Movement	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.26	0.26	4.17	0.00	0.00	0.78	0.78	0.00	0.18	0.18	—	830	830	0.04	0.03	3.04	842
Vendor	< 0.005	0.07	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	63.5	63.5	< 0.005	0.01	0.17	66.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.29	3.54	0.00	0.00	0.78	0.78	0.00	0.18	0.18	—	786	786	0.04	0.03	0.08	796
Vendor	< 0.005	0.08	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	63.5	63.5	< 0.005	0.01	< 0.005	66.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.53	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	114	114	0.01	< 0.005	0.19	115
Vendor	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	9.04	9.04	< 0.005	< 0.005	0.01	9.44
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.10	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	18.8	18.8	< 0.005	< 0.005	0.03	19.1
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.50	1.50	< 0.005	< 0.005	< 0.005	1.56
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Collector Substation Grading (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.41	22.1	20.8	0.03	0.96	—	0.96	0.89	—	0.89	—	3,620	3,620	0.15	0.03	—	3,632
Dust From Material Movement	—	—	—	—	—	13.1	13.1	—	6.73	6.73	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.41	22.1	20.8	0.03	0.96	—	0.96	0.89	—	0.89	—	3,620	3,620	0.15	0.03	—	3,632
Dust From Material Movement	—	—	—	—	—	13.1	13.1	—	6.73	6.73	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.18	1.64	1.54	< 0.005	0.07	—	0.07	0.07	—	0.07	—	268	268	0.01	< 0.005	—	269
Dust From Material Movement	—	—	—	—	—	0.97	0.97	—	0.50	0.50	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.30	0.28	< 0.005	0.01	—	0.01	0.01	—	0.01	—	44.3	44.3	< 0.005	< 0.005	—	44.5
Dust From Material Movement	—	—	—	—	—	0.18	0.18	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.14	2.23	0.00	0.00	0.42	0.42	0.00	0.10	0.10	—	442	442	0.02	0.02	1.62	449
Vendor	< 0.005	0.07	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	63.5	63.5	< 0.005	0.01	0.17	66.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.15	1.89	0.00	0.00	0.42	0.42	0.00	0.10	0.10	—	419	419	0.02	0.02	0.04	425
Vendor	< 0.005	0.08	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	63.5	63.5	< 0.005	0.01	< 0.005	66.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.15	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	31.5	31.5	< 0.005	< 0.005	0.05	31.9

Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.69	4.69	< 0.005	< 0.005	0.01	4.90
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.21	5.21	< 0.005	< 0.005	0.01	5.28
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.78	0.78	< 0.005	< 0.005	< 0.005	0.81
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Collector Substation Grading (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	2.96	19.5	0.03	0.07	—	0.07	0.07	—	0.07	—	3,620	3,620	0.15	0.03	—	3,632
Dust From Material Movement	—	—	—	—	—	13.1	13.1	—	6.73	6.73	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	2.96	19.5	0.03	0.07	—	0.07	0.07	—	0.07	—	3,620	3,620	0.15	0.03	—	3,632
Dust From Material Movement	—	—	—	—	—	13.1	13.1	—	6.73	6.73	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.22	1.44	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	268	268	0.01	< 0.005	—	269
Dust From Material Movement	—	—	—	—	—	0.97	0.97	—	0.50	0.50	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.04	0.26	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	44.3	44.3	< 0.005	< 0.005	—	44.5
Dust From Material Movement	—	—	—	—	—	0.18	0.18	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.14	2.23	0.00	0.00	0.42	0.42	0.00	0.10	0.10	—	442	442	0.02	0.02	1.62	449
Vendor	< 0.005	0.07	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	63.5	63.5	< 0.005	0.01	0.17	66.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.15	1.89	0.00	0.00	0.42	0.42	0.00	0.10	0.10	—	419	419	0.02	0.02	0.04	425
Vendor	< 0.005	0.08	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	63.5	63.5	< 0.005	0.01	< 0.005	66.2

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.15	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	31.5	31.5	< 0.005	< 0.005	0.05	31.9
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.69	4.69	< 0.005	< 0.005	0.01	4.90
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.21	5.21	< 0.005	< 0.005	0.01	5.28
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.78	0.78	< 0.005	< 0.005	< 0.005	0.81
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Collector and Battery Installation (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.49	50.0	53.1	0.09	2.06	—	2.06	1.90	—	1.90	—	9,618	9,618	0.39	0.08	—	9,651
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.49	50.0	53.1	0.09	2.06	—	2.06	1.90	—	1.90	—	9,618	9,618	0.39	0.08	—	9,651
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	3.14	28.6	30.4	0.05	1.18	—	1.18	1.09	—	1.09	—	5,507	5,507	0.22	0.04	—	5,526
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.57	5.22	5.55	0.01	0.22	—	0.22	0.20	—	0.20	—	912	912	0.04	0.01	—	915
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.51	0.52	8.35	0.00	0.00	1.57	1.57	0.00	0.37	0.37	—	1,659	1,659	0.07	0.06	6.07	1,684
Vendor	< 0.005	0.14	0.07	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	127	127	0.01	0.02	0.35	133
Hauling	< 0.005	0.34	0.13	< 0.005	< 0.005	0.07	0.08	< 0.005	0.02	0.02	—	277	277	0.02	0.04	0.64	291
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.51	0.58	7.08	0.00	0.00	1.57	1.57	0.00	0.37	0.37	—	1,573	1,573	0.07	0.06	0.16	1,592
Vendor	< 0.005	0.15	0.07	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	127	127	0.01	0.02	0.01	132
Hauling	< 0.005	0.35	0.13	< 0.005	< 0.005	0.07	0.08	< 0.005	0.02	0.02	—	277	277	0.02	0.04	0.02	291
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.29	0.36	4.26	0.00	0.00	0.89	0.89	0.00	0.21	0.21	—	914	914	0.04	0.03	1.50	926
Vendor	< 0.005	0.09	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	72.7	72.7	< 0.005	0.01	0.09	75.9
Hauling	< 0.005	0.20	0.08	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	159	159	0.01	0.02	0.16	166
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.07	0.78	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	151	151	0.01	0.01	0.25	153
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12.0	12.0	< 0.005	< 0.005	0.01	12.6
Hauling	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	26.3	26.3	< 0.005	< 0.005	0.03	27.6

3.10. Collector and Battery Installation (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.28	15.9	57.0	0.09	0.26	—	0.26	0.25	—	0.25	—	9,618	9,618	0.39	0.08	—	9,651
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.28	15.9	57.0	0.09	0.26	—	0.26	0.25	—	0.25	—	9,618	9,618	0.39	0.08	—	9,651
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.73	9.09	32.6	0.05	0.15	—	0.15	0.14	—	0.14	—	5,507	5,507	0.22	0.04	—	5,526
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	1.66	5.96	0.01	0.03	—	0.03	0.03	—	0.03	—	912	912	0.04	0.01	—	915
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.51	0.52	8.35	0.00	0.00	1.57	1.57	0.00	0.37	0.37	—	1,659	1,659	0.07	0.06	6.07	1,684
Vendor	< 0.005	0.14	0.07	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	127	127	0.01	0.02	0.35	133
Hauling	< 0.005	0.34	0.13	< 0.005	< 0.005	0.07	0.08	< 0.005	0.02	0.02	—	277	277	0.02	0.04	0.64	291
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.51	0.58	7.08	0.00	0.00	1.57	1.57	0.00	0.37	0.37	—	1,573	1,573	0.07	0.06	0.16	1,592
Vendor	< 0.005	0.15	0.07	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	127	127	0.01	0.02	0.01	132
Hauling	< 0.005	0.35	0.13	< 0.005	< 0.005	0.07	0.08	< 0.005	0.02	0.02	—	277	277	0.02	0.04	0.02	291
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.29	0.36	4.26	0.00	0.00	0.89	0.89	0.00	0.21	0.21	—	914	914	0.04	0.03	1.50	926
Vendor	< 0.005	0.09	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	72.7	72.7	< 0.005	0.01	0.09	75.9
Hauling	< 0.005	0.20	0.08	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	159	159	0.01	0.02	0.16	166
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.07	0.78	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	151	151	0.01	0.01	0.25	153
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12.0	12.0	< 0.005	< 0.005	0.01	12.6
Hauling	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	26.3	26.3	< 0.005	< 0.005	0.03	27.6

3.11. Gen-Tie Duct Bank and Vault Installation (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.37	14.3	15.7	0.03	0.51	—	0.51	0.47	—	0.47	—	3,554	3,554	0.14	0.03	—	3,566
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.37	14.3	15.7	0.03	0.51	—	0.51	0.47	—	0.47	—	3,554	3,554	0.14	0.03	—	3,566
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.30	3.09	3.39	0.01	0.11	—	0.11	0.10	—	0.10	—	769	769	0.03	0.01	—	772
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.56	0.62	< 0.005	0.02	—	0.02	0.02	—	0.02	—	127	127	0.01	< 0.005	—	128
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.22	0.23	3.62	0.00	0.00	0.68	0.68	0.00	0.16	0.16	—	719	719	0.03	0.02	2.63	730
Vendor	0.01	0.22	0.11	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	190	190	0.01	0.03	0.52	199
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.22	0.25	3.07	0.00	0.00	0.68	0.68	0.00	0.16	0.16	—	681	681	0.03	0.03	0.07	690

Vendor	0.01	0.23	0.11	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	190	190	0.01	0.03	0.01	199
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.06	0.70	0.00	0.00	0.15	0.15	0.00	0.03	0.03	—	150	150	0.01	0.01	0.25	152
Vendor	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	41.2	41.2	< 0.005	0.01	0.05	43.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.13	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	24.8	24.8	< 0.005	< 0.005	0.04	25.1
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.82	6.82	< 0.005	< 0.005	0.01	7.12
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Gen-Tie Duct Bank and Vault Installation (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.57	6.77	20.4	0.03	0.13	—	0.13	0.12	—	0.12	—	3,554	3,554	0.14	0.03	—	3,566
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.57	6.77	20.4	0.03	0.13	—	0.13	0.12	—	0.12	—	3,554	3,554	0.14	0.03	—	3,566
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	1.47	4.41	0.01	0.03	—	0.03	0.03	—	0.03	—	769	769	0.03	0.01	—	772
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.27	0.80	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	127	127	0.01	< 0.005	—	128
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.22	0.23	3.62	0.00	0.00	0.68	0.68	0.00	0.16	0.16	—	719	719	0.03	0.02	2.63	730
Vendor	0.01	0.22	0.11	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	190	190	0.01	0.03	0.52	199
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.22	0.25	3.07	0.00	0.00	0.68	0.68	0.00	0.16	0.16	—	681	681	0.03	0.03	0.07	690
Vendor	0.01	0.23	0.11	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	190	190	0.01	0.03	0.01	199
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.06	0.70	0.00	0.00	0.15	0.15	0.00	0.03	0.03	—	150	150	0.01	0.01	0.25	152
Vendor	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	41.2	41.2	< 0.005	0.01	0.05	43.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.13	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	24.8	24.8	< 0.005	< 0.005	0.04	25.1

Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.82	6.82	< 0.005	< 0.005	0.01	7.12
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Gen-Tie Jack-and-Bore (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.64	6.34	9.58	0.01	0.25	—	0.25	0.23	—	0.23	—	1,446	1,446	0.06	0.01	—	1,451
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.43	0.66	< 0.005	0.02	—	0.02	0.02	—	0.02	—	99.0	99.0	< 0.005	< 0.005	—	99.4
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.08	0.12	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	16.4	16.4	< 0.005	< 0.005	—	16.5
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.13	1.65	0.00	0.00	0.37	0.37	0.00	0.09	0.09	—	367	367	0.02	0.01	0.04	372
Vendor	< 0.005	0.08	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	63.5	63.5	< 0.005	0.01	< 0.005	66.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.12	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	25.5	25.5	< 0.005	< 0.005	0.04	25.8
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.35	4.35	< 0.005	< 0.005	0.01	4.54
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.22	4.22	< 0.005	< 0.005	0.01	4.28
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.72	0.72	< 0.005	< 0.005	< 0.005	0.75
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.14. Gen-Tie Jack-and-Bore (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	2.76	10.2	0.01	0.03	—	0.03	0.03	—	0.03	—	1,446	1,446	0.06	0.01	—	1,451
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.19	0.70	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	99.0	99.0	< 0.005	< 0.005	—	99.4
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.03	0.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	16.4	16.4	< 0.005	< 0.005	—	16.5
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.13	1.65	0.00	0.00	0.37	0.37	0.00	0.09	0.09	—	367	367	0.02	0.01	0.04	372
Vendor	< 0.005	0.08	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	63.5	63.5	< 0.005	0.01	< 0.005	66.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.12	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	25.5	25.5	< 0.005	< 0.005	0.04	25.8
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.35	4.35	< 0.005	< 0.005	0.01	4.54
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.22	4.22	< 0.005	< 0.005	0.01	4.28
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.72	0.72	< 0.005	< 0.005	< 0.005	0.75
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.15. Decommissioning (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.12	28.6	27.7	0.06	1.16	—	1.16	1.07	—	1.07	—	5,807	5,807	0.24	0.05	—	5,827
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	1.96	1.90	< 0.005	0.08	—	0.08	0.07	—	0.07	—	398	398	0.02	< 0.005	—	399
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.36	0.35	< 0.005	0.01	—	0.01	0.01	—	0.01	—	65.8	65.8	< 0.005	< 0.005	—	66.1
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.15	0.17	2.20	0.00	0.00	0.52	0.52	0.00	0.12	0.12	—	514	514	0.02	0.02	0.05	520
Vendor	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	62.4	62.4	< 0.005	0.01	< 0.005	65.1
Hauling	0.03	2.55	0.98	0.01	0.03	0.56	0.58	0.03	0.15	0.18	—	2,041	2,041	0.11	0.33	0.12	2,142
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.16	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	35.7	35.7	< 0.005	< 0.005	0.05	36.2
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.27	4.27	< 0.005	< 0.005	< 0.005	4.46
Hauling	< 0.005	0.18	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	140	140	0.01	0.02	0.13	147
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.91	5.91	< 0.005	< 0.005	0.01	5.99
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.71	0.71	< 0.005	< 0.005	< 0.005	0.74
Hauling	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	23.1	23.1	< 0.005	< 0.005	0.02	24.3

3.16. Decommissioning (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.58	4.94	30.8	0.06	0.11	—	0.11	0.11	—	0.11	—	5,807	5,807	0.24	0.05	—	5,827
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.04	0.34	2.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	398	398	0.02	< 0.005	—	399
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.06	0.38	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	65.8	65.8	< 0.005	< 0.005	—	66.1
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.17	2.20	0.00	0.00	0.52	0.52	0.00	0.12	0.12	—	514	514	0.02	0.02	0.05	520
Vendor	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	62.4	62.4	< 0.005	0.01	< 0.005	65.1
Hauling	0.03	2.55	0.98	0.01	0.03	0.56	0.58	0.03	0.15	0.18	—	2,041	2,041	0.11	0.33	0.12	2,142
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.16	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	35.7	35.7	< 0.005	< 0.005	0.05	36.2
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.27	4.27	< 0.005	< 0.005	< 0.005	4.46
Hauling	< 0.005	0.18	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	140	140	0.01	0.02	0.13	147
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.91	5.91	< 0.005	< 0.005	0.01	5.99
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.71	0.71	< 0.005	< 0.005	< 0.005	0.74
Hauling	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	23.1	23.1	< 0.005	< 0.005	0.02	24.3

3.17. Gen-Tie Road Resurface and Clean Up (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	4.44	6.47	0.01	0.19	—	0.19	0.18	—	0.18	—	993	993	0.04	0.01	—	996
Paving	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.32	0.47	< 0.005	0.01	—	0.01	0.01	—	0.01	—	72.3	72.3	< 0.005	< 0.005	—	72.5
Paving	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.06	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.0	12.0	< 0.005	< 0.005	—	12.0
Paving	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.10	1.18	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	262	262	0.01	0.01	0.03	265
Vendor	< 0.005	0.08	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	63.5	63.5	< 0.005	0.01	< 0.005	66.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.09	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	19.4	19.4	< 0.005	< 0.005	0.03	19.6
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.62	4.62	< 0.005	< 0.005	0.01	4.82
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.21	3.21	< 0.005	< 0.005	0.01	3.25
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.76	0.76	< 0.005	< 0.005	< 0.005	0.80
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.18. Gen-Tie Road Resurface and Clean Up (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	2.23	6.95	0.01	0.02	—	0.02	0.02	—	0.02	—	993	993	0.04	0.01	—	996
Paving	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.16	0.51	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	72.3	72.3	< 0.005	< 0.005	—	72.5
Paving	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.03	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.0	12.0	< 0.005	< 0.005	—	12.0
Paving	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.10	1.18	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	262	262	0.01	0.01	0.03	265
Vendor	< 0.005	0.08	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	63.5	63.5	< 0.005	0.01	< 0.005	66.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.09	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	19.4	19.4	< 0.005	< 0.005	0.03	19.6
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.62	4.62	< 0.005	< 0.005	0.01	4.82
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.21	3.21	< 0.005	< 0.005	0.01	3.25

Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.76	0.76	< 0.005	< 0.005	< 0.005	0.80
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.19. Gen-Tie Road Resurface and Clean Up (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	4.26	6.46	0.01	0.17	—	0.17	0.16	—	0.16	—	992	992	0.04	0.01	—	996
Paving	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.59	0.89	< 0.005	0.02	—	0.02	0.02	—	0.02	—	137	137	0.01	< 0.005	—	138
Paving	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.11	0.16	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	22.8	22.8	< 0.005	< 0.005	—	22.8
Paving	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.09	1.10	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	257	257	0.01	0.01	0.02	260
Vendor	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	62.4	62.4	< 0.005	0.01	< 0.005	65.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.16	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	36.1	36.1	< 0.005	< 0.005	0.05	36.6
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.64	8.64	< 0.005	< 0.005	0.01	9.03
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.98	5.98	< 0.005	< 0.005	0.01	6.06
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.43	1.43	< 0.005	< 0.005	< 0.005	1.49
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.20. Gen-Tie Road Resurface and Clean Up (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.12	2.23	6.95	0.01	0.02	—	0.02	0.02	—	0.02	—	992	992	0.04	0.01	—	996
Paving	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.31	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	137	137	0.01	< 0.005	—	138
Paving	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.06	0.18	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	22.8	22.8	< 0.005	< 0.005	—	22.8
Paving	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.09	1.10	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	257	257	0.01	0.01	0.02	260
Vendor	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	62.4	62.4	< 0.005	0.01	< 0.005	65.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.16	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	36.1	36.1	< 0.005	< 0.005	0.05	36.6
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.64	8.64	< 0.005	< 0.005	0.01	9.03

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.98	5.98	< 0.005	< 0.005	0.01	6.06
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.43	1.43	< 0.005	< 0.005	< 0.005	1.49
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.21. Gen-Tie Trenching (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.89	7.75	10.6	0.02	0.30	—	0.30	0.28	—	0.28	—	1,648	1,648	0.07	0.01	—	1,654
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.89	7.75	10.6	0.02	0.30	—	0.30	0.28	—	0.28	—	1,648	1,648	0.07	0.01	—	1,654
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	1.68	2.29	< 0.005	0.07	—	0.07	0.06	—	0.06	—	357	357	0.01	< 0.005	—	358
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.04	0.31	0.42	< 0.005	0.01	—	0.01	0.01	—	0.01	—	59.1	59.1	< 0.005	< 0.005	—	59.3
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.17	2.78	0.00	0.00	0.52	0.52	0.00	0.12	0.12	—	553	553	0.02	0.02	2.02	561
Vendor	< 0.005	0.07	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	63.5	63.5	< 0.005	0.01	0.17	66.3
Hauling	0.05	4.25	1.65	0.02	0.04	0.93	0.97	0.04	0.25	0.30	—	3,464	3,464	0.19	0.54	8.04	3,639
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.19	2.36	0.00	0.00	0.52	0.52	0.00	0.12	0.12	—	524	524	0.02	0.02	0.05	531
Vendor	< 0.005	0.08	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	63.5	63.5	< 0.005	0.01	< 0.005	66.2
Hauling	0.05	4.42	1.67	0.02	0.04	0.93	0.97	0.04	0.25	0.30	—	3,465	3,465	0.19	0.54	0.21	3,632
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.54	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	115	115	0.01	< 0.005	0.19	117
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	13.7	13.7	< 0.005	< 0.005	0.02	14.3
Hauling	0.01	0.97	0.36	0.01	0.01	0.20	0.21	0.01	0.05	0.06	—	750	750	0.04	0.12	0.75	787
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.10	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	19.1	19.1	< 0.005	< 0.005	0.03	19.3
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.27	2.27	< 0.005	< 0.005	< 0.005	2.37
Hauling	< 0.005	0.18	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	124	124	0.01	0.02	0.12	130

3.22. Gen-Tie Trenching (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.37	6.01	11.2	0.02	0.08	—	0.08	0.08	—	0.08	—	1,648	1,648	0.07	0.01	—	1,654
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.37	6.01	11.2	0.02	0.08	—	0.08	0.08	—	0.08	—	1,648	1,648	0.07	0.01	—	1,654
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	1.30	2.43	< 0.005	0.02	—	0.02	0.02	—	0.02	—	357	357	0.01	< 0.005	—	358
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.24	0.44	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	59.1	59.1	< 0.005	< 0.005	—	59.3
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.17	2.78	0.00	0.00	0.52	0.52	0.00	0.12	0.12	—	553	553	0.02	0.02	2.02	561
Vendor	< 0.005	0.07	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	63.5	63.5	< 0.005	0.01	0.17	66.3
Hauling	0.05	4.25	1.65	0.02	0.04	0.93	0.97	0.04	0.25	0.30	—	3,464	3,464	0.19	0.54	8.04	3,639

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.19	2.36	0.00	0.00	0.52	0.52	0.00	0.12	0.12	—	524	524	0.02	0.02	0.05	531
Vendor	< 0.005	0.08	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	63.5	63.5	< 0.005	0.01	< 0.005	66.2
Hauling	0.05	4.42	1.67	0.02	0.04	0.93	0.97	0.04	0.25	0.30	—	3,465	3,465	0.19	0.54	0.21	3,632
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.54	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	115	115	0.01	< 0.005	0.19	117
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	13.7	13.7	< 0.005	< 0.005	0.02	14.3
Hauling	0.01	0.97	0.36	0.01	0.01	0.20	0.21	0.01	0.05	0.06	—	750	750	0.04	0.12	0.75	787
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.10	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	19.1	19.1	< 0.005	< 0.005	0.03	19.3
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.27	2.27	< 0.005	< 0.005	< 0.005	2.37
Hauling	< 0.005	0.18	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	124	124	0.01	0.02	0.12	130

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4.1.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	5,124	5,124	0.49	0.06	—	5,154
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	5,124	5,124	0.49	0.06	—	5,154

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	5,124	5,124	0.49	0.06	—	5,154
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	5,124	5,124	0.49	0.06	—	5,154
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	848	848	0.08	0.01	—	853
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	848	848	0.08	0.01	—	853

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	5,124	5,124	0.49	0.06	—	5,154
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	5,124	5,124	0.49	0.06	—	5,154
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Industrial Park	—	—	—	—	—	—	—	—	—	—	—	5,124	5,124	0.49	0.06	—	5,154
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	5,124	5,124	0.49	0.06	—	5,154
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	848	848	0.08	0.01	—	853
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	848	848	0.08	0.01	—	853

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.11	2.06	1.73	0.01	0.16	—	0.16	0.16	—	0.16	—	2,463	2,463	0.22	< 0.005	—	2,470
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.11	2.06	1.73	0.01	0.16	—	0.16	0.16	—	0.16	—	2,463	2,463	0.22	< 0.005	—	2,470
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.11	2.06	1.73	0.01	0.16	—	0.16	0.16	—	0.16	—	2,463	2,463	0.22	< 0.005	—	2,470

Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.11	2.06	1.73	0.01	0.16	—	0.16	0.16	—	0.16	—	2,463	2,463	0.22	< 0.005	—	2,470
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.02	0.38	0.32	< 0.005	0.03	—	0.03	0.03	—	0.03	—	408	408	0.04	< 0.005	—	409
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.02	0.38	0.32	< 0.005	0.03	—	0.03	0.03	—	0.03	—	408	408	0.04	< 0.005	—	409

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.11	2.06	1.73	0.01	0.16	—	0.16	0.16	—	0.16	—	2,463	2,463	0.22	< 0.005	—	2,470
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.11	2.06	1.73	0.01	0.16	—	0.16	0.16	—	0.16	—	2,463	2,463	0.22	< 0.005	—	2,470
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.11	2.06	1.73	0.01	0.16	—	0.16	0.16	—	0.16	—	2,463	2,463	0.22	< 0.005	—	2,470
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.11	2.06	1.73	0.01	0.16	—	0.16	0.16	—	0.16	—	2,463	2,463	0.22	< 0.005	—	2,470

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.02	0.38	0.32	< 0.005	0.03	—	0.03	0.03	—	0.03	—	408	408	0.04	< 0.005	—	409
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.02	0.38	0.32	< 0.005	0.03	—	0.03	0.03	—	0.03	—	408	408	0.04	< 0.005	—	409

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	6.49	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.78	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	2.16	0.11	13.2	< 0.005	0.02	—	0.02	0.02	—	0.02	—	54.2	54.2	< 0.005	< 0.005	—	54.4
Total	9.44	0.11	13.2	< 0.005	0.02	—	0.02	0.02	—	0.02	—	54.2	54.2	< 0.005	< 0.005	—	54.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	6.49	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architectu Coatings	0.78	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	7.27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consume r Products	1.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectu ral Coatings	0.14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscap e Equipme nt	0.27	0.01	1.65	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.15	6.15	< 0.005	< 0.005	—	6.17
Total	1.60	0.01	1.65	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.15	6.15	< 0.005	< 0.005	—	6.17

4.3.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consume r Products	6.49	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectu ral Coatings	0.78	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscap e Equipme nt	2.16	0.11	13.2	< 0.005	0.02	—	0.02	0.02	—	0.02	—	54.2	54.2	< 0.005	< 0.005	—	54.4
Total	9.44	0.11	13.2	< 0.005	0.02	—	0.02	0.02	—	0.02	—	54.2	54.2	< 0.005	< 0.005	—	54.4

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	6.49	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.78	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	7.27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	1.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.27	0.01	1.65	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.15	6.15	< 0.005	< 0.005	—	6.17
Total	1.60	0.01	1.65	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.15	6.15	< 0.005	< 0.005	—	6.17

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	134	454	588	13.8	0.33	—	1,033

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	134	454	588	13.8	0.33	—	1,033
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	134	454	588	13.8	0.33	—	1,033
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	134	454	588	13.8	0.33	—	1,033
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	22.2	75.1	97.4	2.29	0.06	—	171
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	22.2	75.1	97.4	2.29	0.06	—	171

4.4.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	134	454	588	13.8	0.33	—	1,033
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	134	454	588	13.8	0.33	—	1,033

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	134	454	588	13.8	0.33	—	1,033
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	134	454	588	13.8	0.33	—	1,033
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	22.2	75.1	97.4	2.29	0.06	—	171
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	22.2	75.1	97.4	2.29	0.06	—	171

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	203	0.00	203	20.3	0.00	—	709
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	203	0.00	203	20.3	0.00	—	709

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	203	0.00	203	20.3	0.00	—	709
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	203	0.00	203	20.3	0.00	—	709
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	33.5	0.00	33.5	3.35	0.00	—	117
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	33.5	0.00	33.5	3.35	0.00	—	117

4.5.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	203	0.00	203	20.3	0.00	—	709
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	203	0.00	203	20.3	0.00	—	709
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Industrial Park	—	—	—	—	—	—	—	—	—	—	203	0.00	203	20.3	0.00	—	709
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	203	0.00	203	20.3	0.00	—	709
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	33.5	0.00	33.5	3.35	0.00	—	117
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	33.5	0.00	33.5	3.35	0.00	—	117

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	78.9	78.9
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	78.9	78.9
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	78.9	78.9
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	78.9	78.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13.1	13.1
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13.1	13.1

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	78.9	78.9
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	78.9	78.9
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	78.9	78.9
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	78.9	78.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13.1	13.1
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13.1	13.1

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Demolition	3/1/2025	3/15/2025	6.00	13.0	—
Collector Substation Site Preparation	Site Preparation	3/1/2025	3/15/2025	6.00	13.0	—
BESS Grading	Grading	3/1/2025	4/30/2025	6.00	52.0	—
Collector Substation Grading	Grading	3/1/2025	4/1/2025	6.00	27.0	—
Collector and Battery Installation	Building Construction	4/1/2025	11/30/2025	6.00	209	—
Gen-Tie Duct Bank and Vault Installation	Building Construction	8/1/2025	10/31/2025	6.00	79.0	—
Gen-Tie Jack-and-Bore	Building Construction	11/1/2025	11/30/2025	6.00	25.0	—
Decommissioning	Building Construction	3/1/2026	3/30/2026	6.00	25.0	—
Gen-Tie Road Resurface and Clean Up	Paving	12/1/2025	2/28/2026	6.00	78.0	—
Gen-Tie Trenching	Trenching	8/1/2025	10/31/2025	6.00	79.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Graders	Diesel	Average	2.00	8.00	148	0.41
Site Preparation	Rubber Tired Loaders	Diesel	Average	2.00	8.00	150	0.36
Site Preparation	Skid Steer Loaders	Diesel	Average	2.00	8.00	71.0	0.37
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Collector Substation Site Preparation	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Collector Substation Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
BESS Grading	Graders	Diesel	Average	2.00	8.00	148	0.41
BESS Grading	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
BESS Grading	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
BESS Grading	Rubber Tired Loaders	Diesel	Average	2.00	8.00	150	0.36
BESS Grading	Skid Steer Loaders	Diesel	Average	2.00	8.00	71.0	0.37
BESS Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Collector Substation Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Collector Substation Grading	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Collector Substation Grading	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Collector and Battery Installation	Air Compressors	Diesel	Average	2.00	8.00	37.0	0.48
Collector and Battery Installation	Aerial Lifts	Diesel	Average	2.00	8.00	46.0	0.31

Collector and Battery Installation	Bore/Drill Rigs	Diesel	Average	2.00	8.00	83.0	0.50
Collector and Battery Installation	Cranes	Diesel	Average	2.00	8.00	367	0.29
Collector and Battery Installation	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Collector and Battery Installation	Generator Sets	Diesel	Average	2.00	8.00	14.0	0.74
Collector and Battery Installation	Graders	Diesel	Average	2.00	8.00	148	0.41
Collector and Battery Installation	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Collector and Battery Installation	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Collector and Battery Installation	Skid Steer Loaders	Diesel	Average	2.00	8.00	71.0	0.37
Collector and Battery Installation	Trenchers	Diesel	Average	2.00	8.00	40.0	0.50
Collector and Battery Installation	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Collector and Battery Installation	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
Gen-Tie Duct Bank and Vault Installation	Aerial Lifts	Diesel	Average	2.00	8.00	46.0	0.31
Gen-Tie Duct Bank and Vault Installation	Cranes	Diesel	Average	2.00	8.00	367	0.29
Gen-Tie Duct Bank and Vault Installation	Generator Sets	Diesel	Average	2.00	8.00	14.0	0.74
Gen-Tie Duct Bank and Vault Installation	Skid Steer Loaders	Diesel	Average	2.00	8.00	71.0	0.37
Gen-Tie Duct Bank and Vault Installation	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Gen-Tie Jack-and-Bore	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42

Gen-Tie Jack-and-Bore	Bore/Drill Rigs	Diesel	Average	1.00	8.00	83.0	0.50
Gen-Tie Jack-and-Bore	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Gen-Tie Jack-and-Bore	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Gen-Tie Jack-and-Bore	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Decommissioning	Concrete/Industrial Saws	Diesel	Average	2.00	8.00	33.0	0.73
Decommissioning	Cranes	Diesel	Average	2.00	8.00	367	0.29
Decommissioning	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Decommissioning	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Gen-Tie Road Resurface and Clean Up	Pavers	Diesel	Average	1.00	8.00	81.0	0.42
Gen-Tie Road Resurface and Clean Up	Rollers	Diesel	Average	1.00	8.00	36.0	0.38
Gen-Tie Road Resurface and Clean Up	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Gen-Tie Road Resurface and Clean Up	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Gen-Tie Trenching	Pumps	Diesel	Average	2.00	8.00	11.0	0.74
Gen-Tie Trenching	Skid Steer Loaders	Diesel	Average	2.00	8.00	71.0	0.37
Gen-Tie Trenching	Trenchers	Diesel	Average	2.00	8.00	40.0	0.50
Gen-Tie Trenching	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41

Site Preparation	Rubber Tired Loaders	Diesel	Tier 4 Final	2.00	8.00	150	0.36
Site Preparation	Skid Steer Loaders	Diesel	Tier 4 Final	2.00	8.00	71.0	0.37
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
Collector Substation Site Preparation	Rubber Tired Dozers	Diesel	Tier 4 Final	2.00	8.00	367	0.40
Collector Substation Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
BESS Grading	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41
BESS Grading	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
BESS Grading	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
BESS Grading	Rubber Tired Loaders	Diesel	Tier 4 Final	2.00	8.00	150	0.36
BESS Grading	Skid Steer Loaders	Diesel	Tier 4 Final	2.00	8.00	71.0	0.37
BESS Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
Collector Substation Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
Collector Substation Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	2.00	8.00	367	0.40
Collector Substation Grading	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
Collector and Battery Installation	Air Compressors	Diesel	Tier 4 Final	2.00	8.00	37.0	0.48
Collector and Battery Installation	Aerial Lifts	Diesel	Tier 4 Final	2.00	8.00	46.0	0.31
Collector and Battery Installation	Bore/Drill Rigs	Diesel	Tier 4 Final	2.00	8.00	83.0	0.50
Collector and Battery Installation	Cranes	Diesel	Tier 4 Final	2.00	8.00	367	0.29
Collector and Battery Installation	Excavators	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38

Collector and Battery Installation	Generator Sets	Diesel	Average	2.00	8.00	14.0	0.74
Collector and Battery Installation	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41
Collector and Battery Installation	Rubber Tired Dozers	Diesel	Tier 4 Final	2.00	8.00	367	0.40
Collector and Battery Installation	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
Collector and Battery Installation	Skid Steer Loaders	Diesel	Tier 4 Final	2.00	8.00	71.0	0.37
Collector and Battery Installation	Trenchers	Diesel	Tier 4 Final	2.00	8.00	40.0	0.50
Collector and Battery Installation	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
Collector and Battery Installation	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
Gen-Tie Duct Bank and Vault Installation	Aerial Lifts	Diesel	Tier 4 Final	2.00	8.00	46.0	0.31
Gen-Tie Duct Bank and Vault Installation	Cranes	Diesel	Tier 4 Final	2.00	8.00	367	0.29
Gen-Tie Duct Bank and Vault Installation	Generator Sets	Diesel	Average	2.00	8.00	14.0	0.74
Gen-Tie Duct Bank and Vault Installation	Skid Steer Loaders	Diesel	Tier 4 Final	2.00	8.00	71.0	0.37
Gen-Tie Duct Bank and Vault Installation	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
Gen-Tie Jack-and-Bore	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Gen-Tie Jack-and-Bore	Bore/Drill Rigs	Diesel	Tier 4 Final	1.00	8.00	83.0	0.50
Gen-Tie Jack-and-Bore	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	71.0	0.37
Gen-Tie Jack-and-Bore	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
Gen-Tie Jack-and-Bore	Welders	Diesel	Tier 4 Final	1.00	8.00	46.0	0.45

Decommissioning	Concrete/Industrial Saws	Diesel	Tier 4 Final	2.00	8.00	33.0	0.73
Decommissioning	Cranes	Diesel	Tier 4 Final	2.00	8.00	367	0.29
Decommissioning	Rubber Tired Dozers	Diesel	Tier 4 Final	2.00	8.00	367	0.40
Decommissioning	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
Gen-Tie Road Resurface and Clean Up	Pavers	Diesel	Tier 4 Final	1.00	8.00	81.0	0.42
Gen-Tie Road Resurface and Clean Up	Rollers	Diesel	Tier 4 Final	1.00	8.00	36.0	0.38
Gen-Tie Road Resurface and Clean Up	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	71.0	0.37
Gen-Tie Road Resurface and Clean Up	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
Gen-Tie Trenching	Pumps	Diesel	Average	2.00	8.00	11.0	0.74
Gen-Tie Trenching	Skid Steer Loaders	Diesel	Tier 4 Final	2.00	8.00	71.0	0.37
Gen-Tie Trenching	Trenchers	Diesel	Tier 4 Final	2.00	8.00	40.0	0.50
Gen-Tie Trenching	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	40.0	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	2.00	10.2	HHDT,MHDT

Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	0.00	—	HHDT
Collector Substation Site Preparation	—	—	—	—
Collector Substation Site Preparation	Worker	20.0	18.5	LDA,LDT1,LDT2
Collector Substation Site Preparation	Vendor	2.00	10.2	HHDT,MHDT
Collector Substation Site Preparation	Hauling	0.00	20.0	HHDT
Collector Substation Site Preparation	Onsite truck	—	—	HHDT
BESS Grading	—	—	—	—
BESS Grading	Worker	60.0	18.5	LDA,LDT1,LDT2
BESS Grading	Vendor	2.00	10.2	HHDT,MHDT
BESS Grading	Hauling	0.00	20.0	HHDT
BESS Grading	Onsite truck	—	—	HHDT
Collector Substation Grading	—	—	—	—
Collector Substation Grading	Worker	32.0	18.5	LDA,LDT1,LDT2
Collector Substation Grading	Vendor	2.00	10.2	HHDT,MHDT
Collector Substation Grading	Hauling	0.00	20.0	HHDT
Collector Substation Grading	Onsite truck	—	—	HHDT
Collector and Battery Installation	—	—	—	—
Collector and Battery Installation	Worker	120	18.5	LDA,LDT1,LDT2
Collector and Battery Installation	Vendor	4.00	10.2	HHDT,MHDT
Collector and Battery Installation	Hauling	4.00	20.0	HHDT
Collector and Battery Installation	Onsite truck	—	—	HHDT
Gen-Tie Duct Bank and Vault Installation	—	—	—	—
Gen-Tie Duct Bank and Vault Installation	Worker	52.0	18.5	LDA,LDT1,LDT2
Gen-Tie Duct Bank and Vault Installation	Vendor	6.00	10.2	HHDT,MHDT

Gen-Tie Duct Bank and Vault Installation	Hauling	0.00	20.0	HHDT
Gen-Tie Duct Bank and Vault Installation	Onsite truck	—	—	HHDT
Gen-Tie Jack-and-Bore	—	—	—	—
Gen-Tie Jack-and-Bore	Worker	28.0	18.5	LDA,LDT1,LDT2
Gen-Tie Jack-and-Bore	Vendor	2.00	10.2	HHDT,MHDT
Gen-Tie Jack-and-Bore	Hauling	0.00	20.0	HHDT
Gen-Tie Jack-and-Bore	Onsite truck	—	—	HHDT
Decommissioning	—	—	—	—
Decommissioning	Worker	40.0	18.5	LDA,LDT1,LDT2
Decommissioning	Vendor	2.00	10.2	HHDT,MHDT
Decommissioning	Hauling	30.0	20.0	HHDT
Decommissioning	Onsite truck	—	—	HHDT
Gen-Tie Road Resurface and Clean Up	—	—	—	—
Gen-Tie Road Resurface and Clean Up	Worker	20.0	18.5	LDA,LDT1,LDT2
Gen-Tie Road Resurface and Clean Up	Vendor	2.00	10.2	HHDT,MHDT
Gen-Tie Road Resurface and Clean Up	Hauling	0.00	20.0	HHDT
Gen-Tie Road Resurface and Clean Up	Onsite truck	—	—	HHDT
Gen-Tie Trenching	—	—	—	—
Gen-Tie Trenching	Worker	40.0	18.5	LDA,LDT1,LDT2
Gen-Tie Trenching	Vendor	2.00	10.2	HHDT,MHDT
Gen-Tie Trenching	Hauling	50.0	20.0	HHDT
Gen-Tie Trenching	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—

Site Preparation	Worker	40.0	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	2.00	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	0.00	—	HHDT
Collector Substation Site Preparation	—	—	—	—
Collector Substation Site Preparation	Worker	20.0	18.5	LDA,LDT1,LDT2
Collector Substation Site Preparation	Vendor	2.00	10.2	HHDT,MHDT
Collector Substation Site Preparation	Hauling	0.00	20.0	HHDT
Collector Substation Site Preparation	Onsite truck	—	—	HHDT
BESS Grading	—	—	—	—
BESS Grading	Worker	60.0	18.5	LDA,LDT1,LDT2
BESS Grading	Vendor	2.00	10.2	HHDT,MHDT
BESS Grading	Hauling	0.00	20.0	HHDT
BESS Grading	Onsite truck	—	—	HHDT
Collector Substation Grading	—	—	—	—
Collector Substation Grading	Worker	32.0	18.5	LDA,LDT1,LDT2
Collector Substation Grading	Vendor	2.00	10.2	HHDT,MHDT
Collector Substation Grading	Hauling	0.00	20.0	HHDT
Collector Substation Grading	Onsite truck	—	—	HHDT
Collector and Battery Installation	—	—	—	—
Collector and Battery Installation	Worker	120	18.5	LDA,LDT1,LDT2
Collector and Battery Installation	Vendor	4.00	10.2	HHDT,MHDT
Collector and Battery Installation	Hauling	4.00	20.0	HHDT
Collector and Battery Installation	Onsite truck	—	—	HHDT
Gen-Tie Duct Bank and Vault Installation	—	—	—	—
Gen-Tie Duct Bank and Vault Installation	Worker	52.0	18.5	LDA,LDT1,LDT2

Gen-Tie Duct Bank and Vault Installation	Vendor	6.00	10.2	HHDT,MHDT
Gen-Tie Duct Bank and Vault Installation	Hauling	0.00	20.0	HHDT
Gen-Tie Duct Bank and Vault Installation	Onsite truck	—	—	HHDT
Gen-Tie Jack-and-Bore	—	—	—	—
Gen-Tie Jack-and-Bore	Worker	28.0	18.5	LDA,LDT1,LDT2
Gen-Tie Jack-and-Bore	Vendor	2.00	10.2	HHDT,MHDT
Gen-Tie Jack-and-Bore	Hauling	0.00	20.0	HHDT
Gen-Tie Jack-and-Bore	Onsite truck	—	—	HHDT
Decommissioning	—	—	—	—
Decommissioning	Worker	40.0	18.5	LDA,LDT1,LDT2
Decommissioning	Vendor	2.00	10.2	HHDT,MHDT
Decommissioning	Hauling	30.0	20.0	HHDT
Decommissioning	Onsite truck	—	—	HHDT
Gen-Tie Road Resurface and Clean Up	—	—	—	—
Gen-Tie Road Resurface and Clean Up	Worker	20.0	18.5	LDA,LDT1,LDT2
Gen-Tie Road Resurface and Clean Up	Vendor	2.00	10.2	HHDT,MHDT
Gen-Tie Road Resurface and Clean Up	Hauling	0.00	20.0	HHDT
Gen-Tie Road Resurface and Clean Up	Onsite truck	—	—	HHDT
Gen-Tie Trenching	—	—	—	—
Gen-Tie Trenching	Worker	40.0	18.5	LDA,LDT1,LDT2
Gen-Tie Trenching	Vendor	2.00	10.2	HHDT,MHDT
Gen-Tie Trenching	Hauling	50.0	20.0	HHDT
Gen-Tie Trenching	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Site Preparation	0.00	0.00	0.00	11,600	—
Collector Substation Site Preparation	0.00	0.00	13.0	0.00	—
BESS Grading	0.00	0.00	52.0	0.00	—
Collector Substation Grading	0.00	0.00	27.0	0.00	—
Gen-Tie Road Resurface and Clean Up	0.00	0.00	0.00	0.00	1.96

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Industrial Park	0.00	0%
Other Asphalt Surfaces	1.96	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2025	0.00	349	0.03	< 0.005
2026	0.00	346	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Industrial Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Industrial Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	454,767	151,589	5,123

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Industrial Park	5,402,719	346	0.0330	0.0040	7,684,491
Other Asphalt Surfaces	0.00	346	0.0330	0.0040	0.00

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)

Industrial Park	5,402,719	346	0.0330	0.0040	7,684,491
Other Asphalt Surfaces	0.00	346	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Industrial Park	70,109,913	197,634
Other Asphalt Surfaces	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Industrial Park	70,109,913	197,634
Other Asphalt Surfaces	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Industrial Park	376	—
Other Asphalt Surfaces	0.00	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Industrial Park	376	—
Other Asphalt Surfaces	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Industrial Park	Other commercial A/C and heat pumps	R-410A	2,088	0.30	4.00	4.00	18.0

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Industrial Park	Other commercial A/C and heat pumps	R-410A	2,088	0.30	4.00	4.00	18.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	6.24	annual days of extreme heat
Extreme Precipitation	4.10	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A

Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	20.8
AQ-PM	70.3
AQ-DPM	87.0
Drinking Water	—
Lead Risk Housing	—
Pesticides	12.4
Toxic Releases	99.9
Traffic	82.1
Effect Indicators	—
CleanUp Sites	99.3
Groundwater	98.5
Haz Waste Facilities/Generators	99.8
Impaired Water Bodies	98.7
Solid Waste	96.4
Sensitive Population	—
Asthma	—
Cardio-vascular	—
Low Birth Weights	—
Socioeconomic Factor Indicators	—
Education	—
Housing	—

Linguistic	—
Poverty	—
Unemployment	—

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	—
Employed	—
Median HI	—
Education	—
Bachelor's or higher	—
High school enrollment	—
Preschool enrollment	—
Transportation	—
Auto Access	—
Active commuting	—
Social	—
2-parent households	—
Voting	—
Neighborhood	—
Alcohol availability	—
Park access	—
Retail density	—
Supermarket access	—
Tree canopy	—

Housing	—
Homeownership	—
Housing habitability	—
Low-inc homeowner severe housing cost burden	—
Low-inc renter severe housing cost burden	—
Uncrowded housing	—
Health Outcomes	—
Insured adults	—
Arthritis	0.0
Asthma ER Admissions	99.9
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	0.0
Cognitively Disabled	0.0
Physically Disabled	0.0
Heart Attack ER Admissions	99.9
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	0.0
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—

Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	0.0
Elderly	0.0
English Speaking	0.0
Foreign-born	0.0
Outdoor Workers	0.0
Climate Change Adaptive Capacity	—
Impervious Surface Cover	0.0
Traffic Density	0.0
Traffic Access	0.0
Other Indices	—
Hardship	0.0
Other Decision Support	—
2016 Voting	0.0

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	—
Healthy Places Index Score for Project Location (b)	—
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	Wilmington Long Beach Carson

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	Project Assumptions provided by client
Construction: Off-Road Equipment	Project Assumptions provided by client
Operations: Vehicle Data	2-3 trips for maintenance every month
Land Use	Project Assumptions and Land uses
Construction: Trips and VMT	Project Assumptions provided by client.

A-3 Air Quality Construction Emissions Summary

Avocet SCE Project
Air Quality Construction Analysis

Regional Emissions Summary	ROG	NOX	CO	SO2	Total PM10	Total PM2.5
Source	**lb/day**					
3.2. Civil Construction (2024)	<1	3.7	5.9	<1	<1	<1
3.4. Electrical Construction 1 (2024)	<1	2.7	9.3	<1	<1	<1
3.6. Electrical Construction 2 (2024)	<1	4.8	15.2	<1	<1	<1
3.8. Electrical Construction 2 (2025)	<1	4.8	15.2	<1	<1	<1
3.10. Electrical Construction 3 (2025)	<1	3.1	11.1	<1	<1	<1
3.12. FO Cable Construction 1 (2025)	<1	<1	1.0	<1	<1	<1
3.14. FO Cable Construction 2 (2025)	<1	1.8	4.9	<1	<1	<1
Project Daily Maximum Emissions	**<1**	**4.8**	**15.2**	**<1**	**<1**	**<1**
SCAQMD Regional Significance Threholds	**75**	**100**	**550**	**150**	**150**	**55**
Exceeds Thresholds?	**No**	**No**	**No**	**No**	**No**	**No**

Localized Emissions Summary	NOX	CO	Total PM10	Total PM2.5
Source	**lb/day**			
3.2. Civil Construction (2024)	3.3	4.8	<1	<1
3.4. Electrical Construction 1 (2024)	2.1	8.0	<1	<1
3.6. Electrical Construction 2 (2024)	4.5	14.1	<1	<1
3.8. Electrical Construction 2 (2025)	4.5	14.1	<1	<1
3.10. Electrical Construction 3 (2025)	2.8	8.9	<1	<1
3.12. FO Cable Construction 1 (2025)	<1	<1	<1	<1
3.14. FO Cable Construction 2 (2025)	1.6	4.1	<1	<1
Project Daily Maximum Emissions	**4.5**	**14.1**	**<1**	**<1**
Threshold	**756.0**	**2613.0**	**58.0**	**18.0**
Significant Impact?	**No**	**No**	**No**	**No**

Avocet SCE Project

Air Quality Construction Analysis

Regional Maximums	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM10	Fugitive PM10	Total PM2.5
Source	lb/day									
3.2. Civil Construction (2024)	0.3	3.7	5.9	0.0	0.1	0.2	0.3	0.1	0.1	0.1
3.4. Electrical Construction 1 (2024)	0.3	2.7	9.3	0.0	0.1	0.3	0.4	0.1	0.1	0.1
3.6. Electrical Construction 2 (2024)	0.6	4.8	15.2	0.0	0.1	0.3	0.4	0.1	0.1	0.2
3.8. Electrical Construction 2 (2025)	0.6	4.8	15.2	0.0	0.1	0.3	0.4	0.1	0.1	0.2
3.10. Electrical Construction 3 (2025)	0.4	3.1	11.1	0.0	0.1	0.5	0.5	0.1	0.1	0.2
3.12. FO Cable Construction 1 (2025)	0.1	0.7	1.0	0.0	0.0	0.2	0.2	0.0	0.1	0.1
3.14. FO Cable Construction 2 (2025)	0.2	1.8	4.9	0.0	0.0	0.2	0.2	0.0	0.0	0.1
Project Daily Maximum Emissions	**0.6**	**4.8**	**15.2**	**0.0**	**0.1**	**0.5**	**0.5**	**0.1**	**0.1**	**0.2**

Localized Maximum	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM10	Fugitive PM10	Total PM2.5
Source	lb/day									
3.2. Civil Construction (2024)	0.2	3.3	4.8	0.0	0.1	0.0	0.1	0.1	0.0	0.1
3.4. Electrical Construction 1 (2024)	0.2	2.1	8.0	0.0	0.1	0.0	0.1	0.1	0.0	0.1
3.6. Electrical Construction 2 (2024)	0.5	4.5	14.1	0.0	0.1	0.0	0.1	0.1	0.0	0.1
3.8. Electrical Construction 2 (2025)	0.5	4.5	14.1	0.0	0.1	0.0	0.1	0.1	0.0	0.1
3.10. Electrical Construction 3 (2025)	0.2	2.8	8.9	0.0	0.1	0.0	0.1	0.1	0.0	0.1
3.12. FO Cable Construction 1 (2025)	0.1	0.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.14. FO Cable Construction 2 (2025)	0.1	1.6	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Project Daily Maximum Emissions	**0.5**	**4.5**	**14.1**	**0.0**	**0.1**	**0.0**	**0.1**	**0.1**	**0.0**	**0.1**
Threshold		**756.0**	**2613.0**				**58.0**			**18.0**
Significant Impact?		**No**	**No**				**No**			**No**

Avocet SCE Project

Air Quality Construction Analysis

Summer	Onsite Emissions										Offsite Emissions									
	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
Source	lb/day										lb/day									
3.2. Civil Construction (2024)	0.24	3.29	4.81	0.01	0.06	0.00	0.06	0.06	0.00	0.06	0.06	0.36	1.06	0.00	0.00	0.23	0.23	0.00	0.06	0.06
3.4. Electrical Construction 1 (2024)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.6. Electrical Construction 2 (2024)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.8. Electrical Construction 2 (2025)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.10. Electrical Construction 3 (2025)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.12. FO Cable Construction 1 (2025)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.14. FO Cable Construction 2 (2025)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Regional Emissions	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
3.2. Civil Construction (2024)	0.30	3.65	5.87	0.01	0.06	0.23	0.29	0.06	0.06	0.12
3.4. Electrical Construction 1 (2024)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.6. Electrical Construction 2 (2024)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.8. Electrical Construction 2 (2025)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.10. Electrical Construction 3 (2025)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.12. FO Cable Construction 1 (2025)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.14. FO Cable Construction 2 (2025)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Project Daily Maximum Emissions	**0.30**	**3.65**	**5.87**	**0.01**	**0.06**	**0.23**	**0.29**	**0.06**	**0.06**	**0.12**

Note: Offsite emissions pasted over from EMFAC2021 analysis

Avocet SCE Project

Air Quality Construction Analysis

Winter	Onsite Emissions										Offsite Emissions									
	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
Source	lb/day										lb/day									
3.2. Civil Construction (2024)	0.24	3.29	4.81	0.01	0.06	0.00	0.06	0.06	0.00	0.06	0.06	0.39	0.92	0.00	0.00	0.23	0.23	0.00	0.06	0.06
3.4. Electrical Construction 1 (2024)	0.24	2.09	8.04	0.01	0.06	0.00	0.06	0.06	0.00	0.06	0.08	0.59	1.24	0.00	0.00	0.32	0.32	0.00	0.08	0.08
3.6. Electrical Construction 2 (2024)	0.49	4.48	14.10	0.02	0.12	0.00	0.12	0.11	0.00	0.11	0.08	0.33	1.13	0.00	0.00	0.26	0.26	0.00	0.06	0.07
3.8. Electrical Construction 2 (2025)	0.49	4.48	14.10	0.02	0.12	0.00	0.12	0.11	0.00	0.11	0.08	0.31	1.05	0.00	0.00	0.26	0.26	0.00	0.06	0.07
3.10. Electrical Construction 3 (2025)	0.24	2.81	8.93	0.02	0.05	0.00	0.05	0.05	0.00	0.05	0.15	0.25	2.16	0.00	0.00	0.49	0.49	0.00	0.11	0.12
3.12. FO Cable Construction 1 (2025)	0.06	0.47	0.25	0.00	0.02	0.00	0.02	0.02	0.00	0.02	0.05	0.21	0.78	0.00	0.00	0.19	0.20	0.00	0.05	0.05
3.14. FO Cable Construction 2 (2025)	0.14	1.63	4.14	0.01	0.03	0.00	0.03	0.03	0.00	0.03	0.05	0.14	0.75	0.00	0.00	0.18	0.18	0.00	0.04	0.05

Regional Emissions	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
3.2. Civil Construction (2024)	0.30	3.68	5.73	0.01	0.06	0.23	0.29	0.06	0.06	0.12
3.4. Electrical Construction 1 (2024)	0.32	2.68	9.28	0.01	0.06	0.32	0.38	0.06	0.08	0.14
3.6. Electrical Construction 2 (2024)	0.57	4.81	15.23	0.02	0.12	0.26	0.38	0.11	0.06	0.18
3.8. Electrical Construction 2 (2025)	0.57	4.79	15.15	0.02	0.12	0.26	0.38	0.11	0.06	0.18
3.10. Electrical Construction 3 (2025)	0.39	3.06	11.09	0.02	0.05	0.49	0.54	0.05	0.11	0.17
3.12. FO Cable Construction 1 (2025)	0.11	0.68	1.03	0.00	0.02	0.19	0.22	0.02	0.05	0.07
3.14. FO Cable Construction 2 (2025)	0.19	1.77	4.89	0.01	0.03	0.18	0.21	0.03	0.04	0.08
Project Daily Maximum Emissions	**0.57**	**4.81**	**15.23**	**0.02**	**0.12**	**0.49**	**0.54**	**0.11**	**0.11**	**0.18**

Note: Offsite emissions pasted over from EMFAC2021 analysis

Avocet SCE
Total Emissions

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Idling per Day (minutes)	Regional Emissions (pounds/day) ROG	NOX	CO	SO2	PM10 Dust	PM10 Exh	Total PM10	PM2.5 Dust	PM2.5 Exh	Total PM2.5	(MT/yr) Total CO2e
Civil Construction	2024															
Total Haul Trips	0															
Hauling	0	53	8	20	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	8	53	8	10.2	6.9	0.01	0.40	0.23	0.00	0.07	0.00	0.07	0.02	0.00	0.02	6.84
Worker	12	53	8	18.5	0	0.04	0.05	0.64	0.00	0.16	0.00	0.16	0.04	0.00	0.04	3.69
Electrical Construction/Testing	2024															
Total Haul Trips	0															
Hauling	2	72	8	20	15	0.01	0.23	0.13	0.00	0.04	0.00	0.04	0.01	0.00	0.01	0.00
Vendor	8	72	8	10.2	6.9	0.01	0.40	0.23	0.00	0.07	0.00	0.07	0.02	0.00	0.02	9.29
Worker	16	72	8	18.5	0	0.06	0.07	0.85	0.00	0.21	0.00	0.21	0.05	0.00	0.05	6.69
Electrical Construction 1	2024															
Total Haul Trips	0															
Hauling	0	6	8	20	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	6	6	8	10.2	6.9	0.01	0.30	0.17	0.00	0.05	0.00	0.05	0.01	0.00	0.02	0.58
Worker	16	6	8	18.5	0	0.06	0.07	0.85	0.00	0.21	0.00	0.21	0.05	0.00	0.05	0.56
Electrical Construction 1	2025															
Total Haul Trips	0															
Hauling	0	4	8	20	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	6	4	8	10.2	6.9	0.01	0.28	0.16	0.00	0.05	0.00	0.05	0.01	0.00	0.02	0.38
Worker	16	4	8	18.5	0	0.05	0.06	0.79	0.00	0.21	0.00	0.21	0.05	0.00	0.05	0.36
Electrical Construction 2	2025															
Total Haul Trips	0															
Hauling	0	16	8	20	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	2	16	8	10.2	6.9	0.00	0.09	0.05	0.00	0.02	0.00	0.02	0.00	0.00	0.01	0.51
Worker	36	16	8	18.5	0	0.12	0.13	1.79	0.00	0.47	0.00	0.47	0.12	0.00	0.12	3.25
FO Cable Construction	2025															
Total Haul Trips	0															
Hauling	0	5	8	20	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	4	5	8	10.2	6.9	0.01	0.19	0.11	0.00	0.03	0.00	0.04	0.01	0.00	0.01	0.32
Worker	12	5	8	18.5	0	0.04	0.04	0.60	0.00	0.16	0.00	0.16	0.04	0.00	0.04	0.34
Fo Cable Civil Construction	2025															
Total Haul Trips	0															
Hauling	0	10	8	20	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	2	10	8	10.2	6.9	0.00	0.09	0.05	0.00	0.02	0.00	0.02	0.00	0.00	0.01	0.32
Worker	12	10	8	18.5	0	0.04	0.04	0.60	0.00	0.16	0.00	0.16	0.04	0.00	0.04	0.68

Avocet SCE
Running Emissions

			Running Emissions Factor (grams/mile)						Running Emissions Factor (grams/mile)		
			ROG_RUNEX	NOx_RUNEX	CO_RUNEX	SOx_RUNEX	PM10_RUNEX	PM2.5_RUNEX	CO2_RUNEX	CH4_RUNEX	N2O_RUNEX
2024	2024Hauling	Hauling	0.015001655	1.757966945	0.509750502	0.014166963	0.023197805	0.022189615	1557.212859	0.071144032	0.248116843
2024	2024Vendor	Vendor	0.022210328	1.324663487	0.477510091	0.012849507	0.016402936	0.015686295	1384.233186	0.040588479	0.191812121
2024	2024Worker	Worker	0.019960923	0.084125691	1.111244974	0.003033085	0.001787086	0.001644816	306.8269516	0.004735309	0.006945783
2025	2025Hauling	Hauling	0.014311824	1.682904108	0.493455329	0.013909608	0.022827375	0.02183543	1529.972225	0.06799383	0.243825813
2025	2025Vendor	Vendor	0.019627641	1.243630697	0.433465345	0.012626336	0.015667473	0.014982891	1361.145529	0.038866678	0.189103997
2025	2025Worker	Worker	0.017871859	0.075802473	1.032132112	0.002950399	0.001698618	0.001563241	298.462038	0.004280934	0.006451268
2026	2026Hauling	Hauling	0.013682206	1.614053992	0.476847873	0.013645378	0.022637801	0.021654261	1501.981595	0.064764031	0.239411483
2026	2026Vendor	Vendor	0.017507434	1.169214075	0.397656675	0.012397297	0.015099048	0.01443925	1337.375452	0.03715504	0.186260497
2026	2026Worker	Worker	0.016068539	0.068748951	0.963912627	0.002877445	0.001609396	0.001480956	291.081419	0.003888657	0.006032669
0	GWP		N/A	N/A	N/A	N/A	N/A	N/A	1	25	298

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Regional Emissions (pounds/day)						Regional Emissions (MT/year)			
					ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O	CO2e
Civil Construction	2024													
Total Haul Trips	0													
Hauling	0	53	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	8	53	8	10.2	0.00	0.24	0.09	0.00	0.00	0.00	5.99	0.00	0.25	6.24
Worker	12	53	8	18.5	0.01	0.04	0.54	0.00	0.00	0.00	3.61	0.00	0.02	3.64
Electrical Construction/Testing	2024													
Total Haul Trips	0													
Hauling	2	72	8	20	0.00	0.16	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	8	72	8	10.2	0.00	0.24	0.09	0.00	0.00	0.00	8.13	0.01	0.34	8.47
Worker	16	72	8	18.5	0.01	0.05	0.73	0.00	0.00	0.00	6.54	0.00	0.04	6.59
Electrical Construction 1	2024													
Total Haul Trips	0													
Hauling	0	6	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	6	6	8	10.2	0.00	0.18	0.06	0.00	0.00	0.00	0.51	0.00	0.02	0.53
Worker	16	6	8	18.5	0.01	0.05	0.73	0.00	0.00	0.00	0.54	0.00	0.00	0.55
Electrical Construction 1	2025													
Total Haul Trips	0													
Hauling	0	4	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	6	4	8	10.2	0.00	0.17	0.06	0.00	0.00	0.00	0.33	0.00	0.01	0.35
Worker	16	4	8	18.5	0.01	0.05	0.67	0.00	0.00	0.00	0.35	0.00	0.00	0.36
Electrical Construction 2	2025													
Total Haul Trips	0													
Hauling	0	16	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	2	16	8	10.2	0.00	0.06	0.02	0.00	0.00	0.00	0.44	0.00	0.02	0.46
Worker	36	16	8	18.5	0.03	0.11	1.52	0.00	0.00	0.00	3.18	0.00	0.02	3.20
FO Cable Construction	2025													
Total Haul Trips	0													
Hauling	0	5	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	4	5	8	10.2	0.00	0.11	0.04	0.00	0.00	0.00	0.28	0.00	0.01	0.29
Worker	12	5	8	18.5	0.01	0.04	0.51	0.00	0.00	0.00	0.33	0.00	0.00	0.33
Fo Cable Civil Construction	2025													
Total Haul Trips	0													
Hauling	0	10	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	2	10	8	10.2	0.00	0.06	0.02	0.00	0.00	0.00	0.28	0.00	0.01	0.29
Worker	12	10	8	18.5	0.01	0.04	0.51	0.00	0.00	0.00	0.66	0.00	0.00	0.67

Avocet SCE
Mitigated Start Emissions

			Start Emissions Factor (grams/trip)						Start Emissions Factor (grams/trip)		
			ROG_STREX	NOX_STREX	CO_STREX	SOx_STREX	PM10_STREX	PM2.5_STREX	CO2_STREX	CH4_STREX	N2O_STREX
2024	2024Hauling	Hauling	0.001313828	2.662876155	0.00452356	5.40329E-07	1.3156E-06	1.20964E-06	0.054655843	9.10839E-08	2.12363E-05
2024	2024Vendor	Vendor	0.100342318	1.964407075	0.755843864	6.42458E-05	7.32374E-05	6.73391E-05	6.498649504	0.006610361	0.004651472
2024	2024Worker	Worker	1.211910758	0.296693371	3.660543668	0.000749958	0.002343157	0.002154467	75.86049723	0.079834645	0.033975404
2025	2025Hauling	Hauling	0.001023034	2.680558305	0.004188315	4.56483E-07	1.01977E-06	9.37639E-07	0.046174593	8.68735E-08	1.54679E-05
2025	2025Vendor	Vendor	0.092219918	1.974524914	0.699901995	6.09622E-05	6.79466E-05	6.24744E-05	6.166502771	0.00620411	0.004443988
2025	2025Worker	Worker	1.148490696	0.279209405	3.42247591	0.000729024	0.00224915	0.00206801	73.74297425	0.074799335	0.032778516
2026	2026Hauling	Hauling	0.000707694	2.687061052	0.003266573	3.63294E-07	6.68724E-07	6.14867E-07	0.036748267	8.31971E-08	8.70704E-06
2026	2026Vendor	Vendor	0.086105047	1.975470977	0.649593764	5.79681E-05	6.41312E-05	5.89662E-05	5.863640403	0.005839996	0.004237517
2026	2026Worker	Worker	1.087479916	0.264112594	3.209399878	0.000709714	0.002157163	0.001983432	71.78963748	0.070249818	0.031733597
	GWP			N/A					1	25	298

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Regional Emissions (pounds/day) ROG	NOX	CO	SO2	PM10	PM2.5	Regional Emissions (MT/year) CO2	CH4	N2O	CO2e
Civil Construction	2024													
Total Haul Trips	0													
Hauling	0	53	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	8	53	8	10.2	0.00	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	12	53	8	18.5	0.03	0.01	0.10	0.00	0.00	0.00	0.05	0.00	0.00	0.06
Electrical Construction/Testing	2024													
Total Haul Trips	0													
Hauling	2	72	8	20	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	8	72	8	10.2	0.00	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	16	72	8	18.5	0.04	0.01	0.13	0.00	0.00	0.00	0.09	0.00	0.00	0.10
Electrical Construction 1	2024													
Total Haul Trips	0													
Hauling	0	6	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	6	6	8	10.2	0.00	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	16	6	8	18.5	0.04	0.01	0.13	0.00	0.00	0.00	0.01	0.00	0.00	0.01
Electrical Construction 1	2025													
Total Haul Trips	0													
Hauling	0	4	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	6	4	8	10.2	0.00	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	16	4	8	18.5	0.04	0.01	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Electrical Construction 2	2025													
Total Haul Trips	0													
Hauling	0	16	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	2	16	8	10.2	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	36	16	8	18.5	0.09	0.02	0.27	0.00	0.00	0.00	0.04	0.00	0.00	0.05
FO Cable Construction	2025													
Total Haul Trips	0													
Hauling	0	5	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	4	5	8	10.2	0.00	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	12	5	8	18.5	0.03	0.01	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Fo Cable Civil Construction	2025													
Total Haul Trips	0													
Hauling	0	10	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	2	10	8	10.2	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	12	10	8	18.5	0.03	0.01	0.09	0.00	0.00	0.00	0.01	0.00	0.00	0.01

Avocet SCE
Idling Emissions

			Idling Emissions Factor (grams/minute)						Idling Emissions Factor (grams/minute)		
			ROG_IDLEX	NOx_IDLEX	CO_IDLEX	SOx_IDLEX	PM10_IDLEX	PM2.5_IDLEX	CO2_IDLEX	CH4_IDLEX	N2O_IDLEX
2024	2024Hauling	Hauling	0.077640267	0.956610963	1.215086775	0.001717867	0.000543548	0.000519052	193.6965226	0.035722688	0.031085795
2024	2024Vendor	Vendor	0.0583762	1.010617051	1.068457972	0.001762984	0.001374502	0.001314117	195.3153576	0.031669041	0.030436121
2024	2024Worker	Worker	0	0	0	0	0	0	0	0	0
2025	2025Hauling	Hauling	0.077063281	0.932006921	1.210037359	0.001677366	0.000516837	0.000493452	189.4971137	0.035181053	0.030427774
2025	2025Vendor	Vendor	0.057278808	0.974143888	1.06263847	0.001735006	0.00117689	0.001125	192.5673882	0.031653601	0.030048893
2025	2025Worker	Worker	0	0	0	0	0	0	0	0	0
2026	2026Hauling	Hauling	0.076498268	0.906502059	1.205048691	0.001638194	0.000491611	0.000469271	185.4550782	0.034741818	0.029795332
2026	2026Vendor	Vendor	0.056270647	0.936325113	1.056731349	0.00170617	0.001006425	0.000961856	189.7208469	0.03163905	0.029642178
2026	2026Worker	Worker	0	0	0	0	0	0	0	0	0
		GWP	N/A	N/A	N/A	N/A	N/A	N/A	1	25	290

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	Idling minutes per Day	Regional Emissions (pounds/day)						Regional Emissions (MT/year)			
					ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O	CO2e
Civil Construction	2024													
Total Haul Trips	0													
Hauling	0	53	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	8	53	8	6.9	0.01	0.12	0.13	0.00	0.00	0.00	0.57	0.00	0.03	0.60
Worker	12	53	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electrical Construction/Testing	2024													
Total Haul Trips	0													
Hauling	2	72	8	15	0.01	0.06	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	8	72	8	6.9	0.01	0.12	0.13	0.00	0.00	0.00	0.78	0.00	0.04	0.81
Worker	16	72	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electrical Construction 1	2024													
Total Haul Trips	0													
Hauling	0	6	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	6	6	8	6.9	0.01	0.09	0.10	0.00	0.00	0.00	0.05	0.00	0.00	0.05
Worker	16	6	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electrical Construction 1	2025													
Total Haul Trips	0													
Hauling	0	4	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	6	4	8	6.9	0.01	0.09	0.10	0.00	0.00	0.00	0.03	0.00	0.00	0.03
Worker	16	4	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electrical Construction 2	2025													
Total Haul Trips	0													
Hauling	0	16	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	2	16	8	6.9	0.00	0.03	0.03	0.00	0.00	0.00	0.04	0.00	0.00	0.04
Worker	36	16	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FO Cable Construction	2025													
Total Haul Trips	0													
Hauling	0	5	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	4	5	8	6.9	0.00	0.06	0.06	0.00	0.00	0.00	0.03	0.00	0.00	0.03
Worker	12	5	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fo Cable Civil Construction	2025													
Total Haul Trips	0													
Hauling	0	10	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	2	10	8	6.9	0.00	0.03	0.03	0.00	0.00	0.00	0.03	0.00	0.00	0.03
Worker	12	10	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Avocet SCE

Road Dust, Break Wear, and Tire wear Emissions

			Emission Factors (grams/mile)					
			PM10			PM2.5		
			RD	PM10_PMBW	PM10_PMTW	RD	PM2.5_PMBW	PM2.5_PMTW
2024	2024Hauling	Hauling	0.299849906	0.08427948	0.035439285	0.073599522	0.029497818	0.008859821
2024	2024Vendor	Vendor	0.299849906	0.063890978	0.023719644	0.073599522	0.022361842	0.005929911
2024	2024Worker	Worker	0.299849906	0.009419633	0.008000002	0.073599522	0.003296871	0.002000001
2025	2025Hauling	Hauling	0.299849906	0.084162962	0.035443134	0.073599522	0.029457037	0.008860784
2025	2025Vendor	Vendor	0.299849906	0.063767774	0.023721569	0.073599522	0.022318721	0.005930392
2025	2025Worker	Worker	0.299849906	0.009385513	0.008000002	0.073599522	0.00328493	0.002000001
2026	2026Hauling	Hauling	0.299849906	0.084352575	0.035447115	0.073599522	0.029523401	0.008861779
2026	2026Vendor	Vendor	0.299849906	0.063787152	0.023723559	0.073599522	0.022325503	0.00593089
2026	2026Worker	Worker	0.299849906	0.009353635	0.008000002	0.073599522	0.003273772	0.002000001

Construction Phase	Daily One-Way Trips	Haul Days per Phase	Work Hours per Day	One-Way Trip Distance per Day	Regional Emissions (pounds/day)					
					PM10			PM2.5		
		(days)	(hours/day)	(miles)	RD	BW	TW	RD	BW	TW
Civil Construction	2024									
Total Haul Trips	0									
Hauling	0	53	8	20	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	8	53	8	10.2	0.05	0.01	0.00	0.01	0.00	0.00
Worker	12	53	8	18.5	0.15	0.00	0.00	0.04	0.00	0.00
Electrical Construction/Testing	2024									
Total Haul Trips	0									
Hauling	2	72	8	20	0.03	0.01	0.00	0.01	0.00	0.00
Vendor	8	72	8	10.2	0.05	0.01	0.00	0.01	0.00	0.00
Worker	16	72	8	18.5	0.20	0.01	0.01	0.05	0.00	0.00
Electrical Construction 1	2024									
Total Haul Trips	0									
Hauling	0	6	8	20	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	6	6	8	10.2	0.04	0.01	0.00	0.01	0.00	0.00
Worker	16	6	8	18.5	0.20	0.01	0.01	0.05	0.00	0.00
Electrical Construction 1	2025									
Total Haul Trips	0									
Hauling	0	4	8	20	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	6	4	8	10.2	0.04	0.01	0.00	0.01	0.00	0.00
Worker	16	4	8	18.5	0.20	0.01	0.01	0.05	0.00	0.00
Electrical Construction 2	2025									
Total Haul Trips	0									
Hauling	0	16	8	20	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	2	16	8	10.2	0.01	0.00	0.00	0.00	0.00	0.00
Worker	36	16	8	18.5	0.44	0.01	0.01	0.11	0.00	0.00
FO Cable Construction	2025									
Total Haul Trips	0									
Hauling	0	5	8	20	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	4	5	8	10.2	0.03	0.01	0.00	0.01	0.00	0.00
Worker	12	5	8	18.5	0.15	0.00	0.00	0.04	0.00	0.00
Fo Cable Civil Construction	2025									
Total Haul Trips	0									
Hauling	0	10	8	20	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	2	10	8	10.2	0.01	0.00	0.00	0.00	0.00	0.00
Worker	12	10	8	18.5	0.15	0.00	0.00	0.04	0.00	0.00

Avocet SCE

Total On-Road Fuel Consumption

		gal/mile
2021Hauling	Hauling	0
2021Vendor	Vendor	0
2021Worker	Worker	0
2022Hauling	Hauling	0.17004641
2022Vendor	Vendor	0.14160709
2022Worker	Worker	0.03974021
2023Hauling	Hauling	0.16744049
2023Vendor	Vendor	0.1400083
2023Worker	Worker	0.03894266
2024Hauling	Hauling	0.16534457
2024Vendor	Vendor	0.13876713
2024Worker	Worker	0.03808277
2025Hauling	Hauling	0.16305171
2025Vendor	Vendor	0.13736272
2025Worker	Worker	0.03726591
2026Hauling	Hauling	0.16075668
2026Vendor	Vendor	0.1359573
2026Worker	Worker	0.0364859

Avocet SCE

Total On-Road Fuel Consumption

Source	Fuel Type	Total Fuel Use (gal)
Hauling	Diesel	476
Vendor	Diesel	1,613
Worker	Gasoline	1,912

Fuel Type	Total Fuel Use	Annual Fuel Use
Diesel	2,089	3,775
Gasoline	1,912	3,455

Duration of Construction	
Start	8/1/2024
End	2/19/2025
0.6	years

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Idling per Day (minutes)	Regional Emissions (gallons) gal/mile	gal/min	gal/day	Total Gallons/yr
Civil Construction	2022								
Total Haul Trips	0								
Hauling	0	53	8	20	15	0.17	0.00E+00	0	0
Vendor	8	53	8	10.2	6.9	0.14	0.00E+00	12	612
Worker	12	53	8	18.5	0	0.04	0.00E+00	9	468
Electrical Construction/Testing	2024								
Total Haul Trips	0								
Hauling	2	72	8	20	15	0.17	0.00E+00	7	476
Vendor	8	72	8	10.2	6.9	0.14	0.00E+00	11	815
Worker	16	72	8	18.5	0	0.04	0.00E+00	11	812
Electrical Construction 1	2024								
Total Haul Trips	0								
Hauling	0	6	8	20	15	0.17	0.00E+00	0	0
Vendor	6	6	8	10.2	6.9	0.14	0.00E+00	8	51
Worker	16	6	8	18.5	0	0.04	0.00E+00	11	68
Electrical Construction 1	2025								
Total Haul Trips	0								
Hauling	0	4	8	20	15	0.16	0.00E+00	0	0
Vendor	6	4	8	10.2	6.9	0.14	0.00E+00	8	34
Worker	16	4	8	18.5	0	0.04	0.00E+00	11	44
Electrical Construction 2	2025								
Total Haul Trips	0								
Hauling	0	16	8	20	15	0.16	0.00E+00	0	0
Vendor	2	16	8	10.2	6.9	0.14	0.00E+00	3	45
Worker	36	16	8	18.5	0	0.04	0.00E+00	25	397
FO Cable Construction	2025								
Total Haul Trips	0								
Hauling	0	5	8	20	15	0.16	0.00E+00	0	0
Vendor	4	5	8	10.2	6.9	0.14	0.00E+00	6	28
Worker	12	5	8	18.5	0	0.04	0.00E+00	8	41
Fo Cable Civil Construction	2025								
Total Haul Trips	0								
Hauling	0	10	8	20	15	0.16	0.00E+00	0	0
Vendor	2	10	8	10.2	6.9	0.14	0.00E+00	3	28
Worker	12	10	8	18.5	0	0.04	0.00E+00	8	83

Avocet BESS Project
Air Quality Construction Analysis

Regional Emissions Summary	ROG	NOX	CO	SO2	Total PM10	Total PM2.5
Source	**lb/day**					
3.2. Site Preparation (2025)	<1	4.2	24.9	<1	1.2	<1
3.4. Collector Substation Site Preparation (2025)	<1	1.8	18.7	<1	13.4	6.9
3.6. BESS Grading (2025)	<1	6.1	29.1	<1	2.0	<1
3.8. Collector Substation Grading (2025)	<1	3.2	21.8	<1	13.6	6.9
3.10. Collector and Battery Installation (2025)	1.8	17.0	65.6	<1	2.0	<1
3.12. Gen-Tie Duct Bank and Vault Installation (2025)	<1	7.3	24.1	<1	<1	<1
3.14. Gen-Tie Jack-and-Bore (2025)	<1	3.0	11.9	<1	<1	<1
3.16. Decommissioning (2026)	<1	7.7	34.0	<1	1.2	<1
3.18. Gen-Tie Road Resurface and Clean Up (2025)	<1	2.4	8.2	<1	<1	<1
3.20. Gen-Tie Road Resurface and Clean Up (2026)	<1	2.4	8.1	<1	<1	<1
3.22. Gen-Tie Trenching (2025)	<1	10.7	15.7	<1	1.6	<1
Overlapping Phases						
Site Preparation & Collector Substation Site Preparation & BESS Grading & Collector Substation Grading	2.1	15.2	94.5	<1	30.2	14.4
Collector and Battery Installation & Gen-Tie Trenching & Gen-Tie Duct Bank Vault Installation	3.2	34.9	105.4	<1	4.4	1.5
Collector and Battery Installation & Gen-Tie Jack-and-Bore	2.1	20.0	77.4	<1	2.4	<1
Project Daily Maximum Emissions	**3.2**	**34.9**	**105.4**	**<1**	**30.2**	**14.4**
SCAQMD Regional Significance Threholds	**75**	**100**	**550**	**150**	**150**	**55**
Exceeds Thresholds?	**No**	**No**	**No**	**No**	**No**	**No**

Localized Emissions Summary	NOX	CO	Total PM10	Total PM2.5
Source	**lb/day**			
3.2. Site Preparation (2025)	3.9	22.5	<1	<1
3.4. Collector Substation Site Preparation (2025)	1.6	17.5	13.2	6.8
3.6. BESS Grading (2025)	5.7	24.9	1.2	<1
3.8. Collector Substation Grading (2025)	3.0	19.5	13.2	6.8
3.10. Collector and Battery Installation (2025)	15.9	57.0	<1	<1
3.12. Gen-Tie Duct Bank and Vault Installation (2025)	6.8	20.4	<1	<1
3.14. Gen-Tie Jack-and-Bore (2025)	2.8	10.2	<1	<1
3.16. Decommissioning (2026)	4.9	30.8	<1	<1
3.18. Gen-Tie Road Resurface and Clean Up (2025)	2.2	7.0	<1	<1
3.20. Gen-Tie Road Resurface and Clean Up (2026)	2.2	7.0	<1	<1
3.22. Gen-Tie Trenching (2025)	6.0	11.2	<1	<1
Overlapping Phases				
Site Preparation & Collector Substation Site Preparation & BESS Grading & Collector Substation Grading	14.2	84.4	28.1	13.9
Collector and Battery Installation & Gen-Tie Trenching & Gen-Tie Duct Bank Vault Installation	28.7	88.6	<1	<1
Collector and Battery Installation & Gen-Tie Jack-and-Bore	18.7	67.2	<1	<1
Project Daily Maximum Emissions	**28.7**	**88.6**	**28.1**	**13.9**
Threshold	**756.0**	**2613.0**	**58.0**	**18.0**
Significant Impact?	**No**	**No**	**No**	**No**

Avocet BESS Project

Air Quality Construction Analysis

Regional Maximums	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM10	Fugitive PM10	Total PM2.5
Source	lb/day									
3.2. Site Preparation (2025)	0.5	4.2	24.9	0.0	0.1	1.1	1.2	0.1	0.2	0.3
3.4. Collector Substation Site Preparation (2025)	0.4	1.8	18.7	0.0	0.1	13.4	13.4	0.1	6.8	6.9
3.6. BESS Grading (2025)	0.7	6.1	29.1	0.0	0.1	1.9	2.0	0.1	0.3	0.4
3.8. Collector Substation Grading (2025)	0.5	3.2	21.8	0.0	0.1	13.5	13.6	0.1	6.8	6.9
3.10. Collector and Battery Installation (2025)	1.8	17.0	65.6	0.1	0.3	1.7	2.0	0.3	0.4	0.7
3.12. Gen-Tie Duct Bank and Vault Installation (2025)	0.8	7.3	24.1	0.0	0.1	0.7	0.9	0.1	0.2	0.3
3.14. Gen-Tie Jack-and-Bore (2025)	0.3	3.0	11.9	0.0	0.0	0.4	0.4	0.0	0.1	0.1
3.16. Decommissioning (2026)	0.8	7.7	34.0	0.1	0.1	1.1	1.2	0.1	0.3	0.4
3.18. Gen-Tie Road Resurface and Clean Up (2025)	0.3	2.4	8.2	0.0	0.0	0.3	0.3	0.0	0.1	0.1
3.20. Gen-Tie Road Resurface and Clean Up (2026)	0.3	2.4	8.1	0.0	0.0	0.3	0.3	0.0	0.1	0.1
3.22. Gen-Tie Trenching (2025)	0.6	10.7	15.7	0.0	0.1	1.5	1.6	0.1	0.4	0.5
Overlapping Phases										
	ROG	**NOX**	**CO**	**SO2**	**Exhaust PM10**	**Fugitive PM10**	**Total PM10**	**Exhaust PM10**	**Fugitive PM10**	**Total PM2.5**
Site Preparation & Collector Substation Site Preparation & BESS Grading & Collector Substation Grading	2.1	15.2	94.5	0.1	0.3	29.9	30.2	0.3	14.1	14.4
Collector and Battery Installation & Gen-Tie Trenching & Gen-Tie Duct Bank Vault Installation	3.2	34.9	105.4	0.2	0.5	3.9	4.4	0.5	0.9	1.5
Collector and Battery Installation & Gen-Tie Jack-and-Bore	2.1	20.0	77.4	0.1	0.3	2.1	2.4	0.3	0.5	0.8
Project Daily Maximum Emissions	**3.2**	**34.9**	**105.4**	**0.2**	**0.5**	**29.9**	**30.2**	**0.5**	**14.1**	**14.4**

Localized Maximum	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM10	Fugitive PM10	Total PM2.5
Source	lb/day									
3.2. Site Preparation (2025)	0.3	3.9	22.5	0.0	0.1	0.6	0.6	0.1	0.1	0.2
3.4. Collector Substation Site Preparation (2025)	0.3	1.6	17.5	0.0	0.1	13.1	13.2	0.1	6.7	6.8
3.6. BESS Grading (2025)	0.5	5.7	24.9	0.0	0.1	1.1	1.2	0.1	0.1	0.2
3.8. Collector Substation Grading (2025)	0.4	3.0	19.5	0.0	0.1	13.1	13.2	0.1	6.7	6.8
3.10. Collector and Battery Installation (2025)	1.3	15.9	57.0	0.1	0.3	0.0	0.3	0.3	0.0	0.3
3.12. Gen-Tie Duct Bank and Vault Installation (2025)	0.6	6.8	20.4	0.0	0.1	0.0	0.1	0.1	0.0	0.1
3.14. Gen-Tie Jack-and-Bore (2025)	0.2	2.8	10.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.16. Decommissioning (2026)	0.6	4.9	30.8	0.1	0.1	0.0	0.1	0.1	0.0	0.1
3.18. Gen-Tie Road Resurface and Clean Up (2025)	0.2	2.2	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.20. Gen-Tie Road Resurface and Clean Up (2026)	0.2	2.2	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.22. Gen-Tie Trenching (2025)	0.4	6.0	11.2	0.0	0.1	0.0	0.1	0.1	0.0	0.1
Overlapping Phases										
	ROG	**NOX**	**CO**	**SO2**	**Exhaust PM10**	**Fugitive PM10**	**Total PM10**	**Exhaust PM10**	**Fugitive PM10**	**Total PM2.5**
Site Preparation & Collector Substation Site Preparation & BESS Grading & Collector Substation Grading	1.5	14.2	84.4	0.1	0.3	27.8	28.1	0.3	13.7	13.9
Collector and Battery Installation & Gen-Tie Trenching & Gen-Tie Duct Bank Vault Installation	2.2	28.7	88.6	0.1	0.5	0.0	0.5	0.5	0.0	0.5
Collector and Battery Installation & Gen-Tie Jack-and-Bore	1.45	18.66	67.20	0.10	0.29	0.00	0.29	0.28	0.00	0.28
Project Daily Maximum Emissions	**2.2**	**28.7**	**88.6**	**0.1**	**0.5**	**27.8**	**28.1**	**0.5**	**13.7**	**13.9**
Threshold		**756.0**	**2613.0**				**58.0**			**18.0**
Significant Impact?		**No**	**No**				**No**			**No**

Avocet BESS Project

Air Quality Construction Analysis

Summer	Onsite Emissions										Offsite Emissions									
	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
Source	lb/day										lb/day									
3.2. Site Preparation (2025)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.4. Collector Substation Site Preparation (2025)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.6. BESS Grading (2025)	0.45	5.71	24.90	0.03	0.09	1.06	1.15	0.08	0.11	0.19	0.26	0.33	4.21	0.00	0.00	0.80	0.80	0.00	0.18	0.19
3.8. Collector Substation Grading (2025)	0.36	2.96	19.50	0.03	0.07	13.10	13.17	0.07	6.73	6.80	0.14	0.21	2.27	0.00	0.00	0.44	0.44	0.00	0.10	0.11
3.10. Collector and Battery Installation (2025)	1.28	15.90	57.00	0.09	0.26	0.00	0.26	0.25	0.00	0.25	0.51	1.00	8.55	0.00	0.00	1.67	1.69	0.00	0.40	0.40
3.12. Gen-Tie Duct Bank and Vault Installation (2025)	0.57	6.77	20.40	0.03	0.13	0.00	0.13	0.12	0.00	0.12	0.23	0.45	3.73	0.00	0.00	0.73	0.73	0.00	0.17	0.18
3.14. Gen-Tie Jack-and-Bore (2025)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.16. Decommissioning (2026)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.18. Gen-Tie Road Resurface and Clean Up (2025)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.20. Gen-Tie Road Resurface and Clean Up (2026)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.22. Gen-Tie Trenching (2025)	0.37	6.01	11.20	0.02	0.08	0.00	0.08	0.08	0.00	0.08	0.22	4.49	4.47	0.02	0.04	1.47	1.51	0.04	0.37	0.43

Regional Emissions	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
3.2. Site Preparation (2025)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.4. Collector Substation Site Preparation (2025)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.6. BESS Grading (2025)	0.71	6.04	29.11	0.03	0.09	1.86	1.95	0.08	0.29	0.38
3.8. Collector Substation Grading (2025)	0.50	3.17	21.77	0.03	0.07	13.54	13.61	0.07	6.83	6.91
3.10. Collector and Battery Installation (2025)	1.79	16.90	65.55	0.09	0.26	1.67	1.95	0.25	0.40	0.65
3.12. Gen-Tie Duct Bank and Vault Installation (2025)	0.80	7.22	24.13	0.03	0.13	0.73	0.86	0.12	0.17	0.30
3.14. Gen-Tie Jack-and-Bore (2025)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.16. Decommissioning (2026)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.18. Gen-Tie Road Resurface and Clean Up (2025)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.20. Gen-Tie Road Resurface and Clean Up (2026)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.22. Gen-Tie Trenching (2025)	0.59	10.50	15.67	0.04	0.12	1.47	1.59	0.12	0.37	0.51

Note: Offsite emissions pasted over from EMFAC2021 analysis

Overlapping Phases

	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
Site Preparation & Collector Substation Site Preparation & BESS Grading & Collector Substation Grading	1.21	9.21	50.88	0.06	0.16	15.40	15.56	0.15	7.12	7.29
Collector and Battery Installation & Gen-Tie Trenching & Gen-Tie Duct Bank Vault Installation	3.18	34.62	105.35	0.16	0.51	3.87	4.40	0.49	0.94	1.46
Collector and Battery Installation & Gen-Tie Jack-and-Bore	1.79	16.90	65.55	0.09	0.26	1.67	1.95	0.25	0.40	0.65
Project Daily Maximum Emissions	**3.18**	**34.62**	**105.35**	**0.16**	**0.51**	**15.40**	**15.56**	**0.49**	**7.12**	**7.29**

Avocet BESS Project

Air Quality Construction Analysis

Winter	Onsite Emissions										Offsite Emissions									
	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
Source	lb/day										lb/day									
3.2. Site Preparation (2025)	0.34	3.88	22.50	0.03	0.06	0.56	0.62	0.06	0.09	0.15	0.17	0.27	2.40	0.00	0.00	0.54	0.54	0.00	0.12	0.13
3.4. Collector Substation Site Preparation (2025)	0.31	1.63	17.50	0.03	0.06	13.10	13.16	0.06	6.73	6.79	0.08	0.18	1.22	0.00	0.00	0.28	0.28	0.00	0.06	0.07
3.6. BESS Grading (2025)	0.45	5.71	24.90	0.03	0.09	1.06	1.15	0.08	0.11	0.19	0.25	0.37	3.58	0.00	0.00	0.80	0.80	0.00	0.18	0.19
3.8. Collector Substation Grading (2025)	0.36	2.96	19.50	0.03	0.07	13.10	13.17	0.07	6.73	6.80	0.14	0.23	1.93	0.00	0.00	0.44	0.44	0.00	0.10	0.11
3.10. Collector and Battery Installation (2025)	1.28	15.90	57.00	0.09	0.26	0.00	0.26	0.25	0.00	0.25	0.51	1.08	7.28	0.00	0.00	1.67	1.69	0.00	0.40	0.40
3.12. Gen-Tie Duct Bank and Vault Installation (2025)	0.57	6.77	20.40	0.03	0.13	0.00	0.13	0.12	0.00	0.12	0.23	0.48	3.18	0.00	0.00	0.73	0.73	0.00	0.17	0.18
3.14. Gen-Tie Jack-and-Bore (2025)	0.17	2.76	10.20	0.01	0.03	0.00	0.03	0.03	0.00	0.03	0.12	0.21	1.69	0.00	0.00	0.39	0.39	0.00	0.09	0.10
3.16. Decommissioning (2026)	0.58	4.94	30.80	0.06	0.11	0.00	0.11	0.11	0.00	0.11	0.18	2.79	3.21	0.01	0.03	1.10	1.12	0.03	0.27	0.31
3.18. Gen-Tie Road Resurface and Clean Up (2025)	0.19	2.23	6.95	0.01	0.02	0.00	0.02	0.02	0.00	0.02	0.08	0.18	1.22	0.00	0.00	0.28	0.28	0.00	0.06	0.07
3.20. Gen-Tie Road Resurface and Clean Up (2026)	0.19	2.23	6.95	0.01	0.02	0.00	0.02	0.02	0.00	0.02	0.07	0.16	1.13	0.00	0.00	0.28	0.28	0.00	0.06	0.07
3.22. Gen-Tie Trenching (2025)	0.37	6.01	11.20	0.02	0.08	0.00	0.08	0.08	0.00	0.08	0.22	4.69	4.07	0.02	0.04	1.47	1.51	0.04	0.37	0.43

Regional Emissions	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
3.2. Site Preparation (2025)	0.51	4.15	24.90	0.03	0.06	1.10	1.16	0.06	0.21	0.28
3.4. Collector Substation Site Preparation (2025)	0.39	1.81	18.72	0.03	0.06	13.38	13.44	0.06	6.79	6.86
3.6. BESS Grading (2025)	0.70	6.08	28.48	0.03	0.09	1.86	1.95	0.08	0.29	0.38
3.8. Collector Substation Grading (2025)	0.50	3.19	21.43	0.03	0.07	13.54	13.61	0.07	6.83	6.91
3.10. Collector and Battery Installation (2025)	1.79	16.98	64.28	0.09	0.26	1.67	1.95	0.25	0.40	0.65
3.12. Gen-Tie Duct Bank and Vault Installation (2025)	0.80	7.25	23.58	0.03	0.13	0.73	0.86	0.12	0.17	0.30
3.14. Gen-Tie Jack-and-Bore (2025)	0.29	2.97	11.89	0.01	0.03	0.39	0.42	0.03	0.09	0.13
3.16. Decommissioning (2026)	0.76	7.73	34.01	0.07	0.14	1.10	1.23	0.14	0.27	0.42
3.18. Gen-Tie Road Resurface and Clean Up (2025)	0.27	2.41	8.17	0.01	0.02	0.28	0.30	0.02	0.06	0.09
3.20. Gen-Tie Road Resurface and Clean Up (2026)	0.26	2.39	8.08	0.01	0.02	0.28	0.30	0.02	0.06	0.09
3.22. Gen-Tie Trenching (2025)	0.59	10.70	15.27	0.04	0.12	1.47	1.59	0.12	0.37	0.51

Note: Offsite emissions pasted over from EMFAC2021 analysis

Overlapping Phases

	ROG	NOX	CO	SO2	Exhaust PM10	Fugitive PM10	Total PM10	Exhaust PM2.5	Fugitive PM2.5	Total PM2.5
Site Preparation & Collector Substation Site Preparation & BESS Grading & Collector Substation Grading	2.10	15.23	93.53	0.12	0.28	29.88	30.16	0.27	14.12	14.43
Collector and Battery Installation & Gen-Tie Trenching & Gen-Tie Duct Bank Vault Installation	3.18	34.93	103.13	0.16	0.51	3.87	4.40	0.49	0.94	1.46
Collector and Battery Installation & Gen-Tie Jack-and-Bore	2.08	19.95	76.17	0.10	0.29	2.06	2.37	0.28	0.49	0.78
Project Daily Maximum Emissions	**3.18**	**34.93**	**103.13**	**0.16**	**0.51**	**29.88**	**30.16**	**0.49**	**14.12**	**14.43**

Avocet BESS
Total Emissions

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Idling per Day (minutes)	Regional Emissions (pounds/day) ROG	NOX	CO	SO2	PM10 Dust	PM10 Exh	Total PM10	PM2.5 Dust	PM2.5 Exh	Total PM2.5	(MT/yr) Total CO2e
Site Preparation	2025															
Total Haul Trips	0															
Hauling	0	13	8	20	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	2	13	8	10.2	6.9	0.00	0.09	0.05	0.00	0.02	0.00	0.02	0.00	0.00	0.01	0.41
Worker	40	13	8	18.5	0	0.13	0.15	1.99	0.00	0.52	0.00	0.52	0.13	0.00	0.13	2.94
Collector Substation Site Preparation	2025															
Total Haul Trips	0															
Hauling	0	13	8	20	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	2	13	8	10.2	6.9	0.00	0.09	0.05	0.00	0.02	0.00	0.02	0.00	0.00	0.01	0.41
Worker	20	13	8	18.5	0	0.07	0.07	0.99	0.00	0.26	0.00	0.26	0.06	0.00	0.07	1.47
BESS Grading	2025															
Total Haul Trips	0															
Hauling	0	52	8	20	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	2	52	8	10.2	6.9	0.00	0.09	0.05	0.00	0.02	0.00	0.02	0.00	0.00	0.01	1.65
Worker	60	52	8	18.5	0	0.20	0.22	2.98	0.01	0.78	0.00	0.78	0.19	0.00	0.20	17.61
Collector Substation Grading	2025															
Total Haul Trips	0															
Hauling	0	27	8	20	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	2	27	8	10.2	6.9	0.00	0.09	0.05	0.00	0.02	0.00	0.02	0.00	0.00	0.01	0.86
Worker	32	27	8	18.5	0	0.10	0.12	1.59	0.00	0.41	0.00	0.42	0.10	0.00	0.11	4.88
Battery/Container Installation & Collector Substation	2025															
Total Haul Trips	0															
Hauling	4	209	8	20	15	0.01	0.44	0.25	0.00	0.07	0.00	0.08	0.02	0.00	0.02	0.00
Vendor	4	209	8	10.2	6.9	0.01	0.19	0.11	0.00	0.03	0.00	0.04	0.01	0.00	0.01	13.27
Worker	120	209	8	18.5	0	0.39	0.44	5.96	0.01	1.55	0.01	1.56	0.39	0.01	0.39	141.56
Gen-Tie Trenching	2025															
Total Haul Trips	0															
Hauling	50	79	8	20	15	0.16	5.55	3.09	0.03	0.92	0.05	0.98	0.25	0.05	0.30	0.00
Vendor	2	79	8	10.2	6.9	0.00	0.09	0.05	0.00	0.02	0.00	0.02	0.00	0.00	0.01	2.51
Worker	40	79	8	18.5	0	0.13	0.15	1.99	0.00	0.52	0.00	0.52	0.13	0.00	0.13	17.84
Gen-Tie Duct and Bank	2025															
Total Haul Trips	0															
Hauling	0	79	8	20	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	6	79	8	10.2	6.9	0.01	0.28	0.16	0.00	0.05	0.00	0.05	0.01	0.00	0.02	7.52
Worker	52	79	8	18.5	0	0.17	0.19	2.58	0.01	0.67	0.00	0.68	0.17	0.00	0.17	23.19
Gen-Tie Jack and Bore	2025															
Total Haul Trips	0															
Hauling	0	25	8	20	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	2	25	8	10.2	6.9	0.00	0.09	0.05	0.00	0.02	0.00	0.02	0.00	0.00	0.01	0.79
Worker	28	25	8	18.5	0	0.09	0.10	1.39	0.00	0.36	0.00	0.36	0.09	0.00	0.09	3.95
Gen-Tie Road Resurface and Clean up	2025															
Total Haul Trips	0															
Hauling	0	27	8	20	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	2	27	8	10.2	6.9	0.00	0.09	0.05	0.00	0.02	0.00	0.02	0.00	0.00	0.01	0.86
Worker	20	27	8	18.5	0	0.07	0.07	0.99	0.00	0.26	0.00	0.26	0.06	0.00	0.07	3.05
Gen-Tie Road Resurface and Clean up	2026															
Total Haul Trips	0															
Hauling	0	51	8	20	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	2	51	8	10.2	6.9	0.00	0.09	0.05	0.00	0.02	0.00	0.02	0.00	0.00	0.01	1.59
Worker	20	51	8	18.5	0	0.06	0.07	0.93	0.00	0.26	0.00	0.26	0.06	0.00	0.07	5.61
Decomissioning	2026															
Total Haul Trips	0															
Hauling	30	25	8	20	15	0.09	3.21	1.83	0.02	0.56	0.03	0.59	0.15	0.03	0.18	0.00
Vendor	2	25	8	10.2	6.9	0.00	0.09	0.05	0.00	0.02	0.00	0.02	0.00	0.00	0.01	0.78
Worker	40	25	8	18.5	0	0.12	0.14	1.86	0.00	0.52	0.00	0.52	0.13	0.00	0.13	5.50

Avocet BESS
Running Emissions

			Running Emissions Factor (grams/mile)						Running Emissions Factor (grams/mile)		
			ROG_RUNEX	NOx_RUNEX	CO_RUNEX	SOx_RUNEX	PM10_RUNEX	PM2.5_RUNEX	CO2_RUNEX	CH4_RUNEX	N2O_RUNEX
2024	2024Hauling	Hauling	0.01500166	1.757966945	0.5097505	0.01416696	0.02319781	0.02218961	1557.21286	0.07114403	0.24811684
2024	2024Vendor	Vendor	0.02221033	1.324663487	0.47751009	0.01284951	0.01640294	0.01568629	1384.23319	0.04058848	0.19181212
2024	2024Worker	Worker	0.01996092	0.084125691	1.11124497	0.00303309	0.00178709	0.00164482	306.826952	0.00473531	0.00694578
2025	2025Hauling	Hauling	0.01431182	1.682904108	0.49345533	0.01390961	0.02282737	0.02183543	1529.97223	0.06799383	0.24382581
2025	2025Vendor	Vendor	0.01962764	1.243630697	0.43346534	0.01262634	0.01566747	0.01498289	1361.14553	0.03886668	0.189104
2025	2025Worker	Worker	0.01787186	0.075802473	1.03213211	0.0029504	0.00169862	0.00156324	298.462038	0.00428093	0.00645127
2026	2026Hauling	Hauling	0.01368221	1.614053992	0.47684787	0.01364538	0.0226378	0.02165426	1501.9816	0.06476403	0.23941148
2026	2026Vendor	Vendor	0.01750743	1.169214075	0.39765668	0.0123973	0.01509905	0.01443925	1337.37545	0.03715504	0.1862605
2026	2026Worker	Worker	0.01606854	0.068748951	0.96391263	0.00287744	0.0016094	0.00148096	291.081419	0.00388866	0.00603267
0	GWP		N/A	N/A	N/A	N/A	N/A	N/A	1	25	298

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Regional Emissions (pounds/day)						Regional Emissions (MT/year)			
					ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O	CO2e
Site Preparation	2025													
Total Haul Trips	0													
Hauling	0	13	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	2	13	8	10.2	0.00	0.06	0.02	0.00	0.00	0.00	0.36	0.00	0.01	0.38
Worker	40	13	8	18.5	0.03	0.12	1.68	0.00	0.00	0.00	2.87	0.00	0.02	2.89
Collector Substation Site Preparation	2025													
Total Haul Trips	0													
Hauling	0	13	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	2	13	8	10.2	0.00	0.06	0.02	0.00	0.00	0.00	0.36	0.00	0.01	0.38
Worker	20	13	8	18.5	0.01	0.06	0.84	0.00	0.00	0.00	1.44	0.00	0.01	1.45
BESS Grading	2025													
Total Haul Trips	0													
Hauling	0	52	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	2	52	8	10.2	0.00	0.06	0.02	0.00	0.00	0.00	1.44	0.00	0.06	1.50
Worker	60	52	8	18.5	0.04	0.19	2.53	0.01	0.00	0.00	17.23	0.01	0.11	17.34
Collector Substation Grading	2025													
Total Haul Trips	0													
Hauling	0	27	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	2	27	8	10.2	0.00	0.06	0.02	0.00	0.00	0.00	0.75	0.00	0.03	0.78
Worker	32	27	8	18.5	0.02	0.10	1.35	0.00	0.00	0.00	4.77	0.00	0.03	4.80
Battery/Container Installation & Collector Substation	2025													
Total Haul Trips	0													
Hauling	4	209	8	20	0.00	0.30	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	4	209	8	10.2	0.00	0.11	0.04	0.00	0.00	0.00	11.61	0.01	0.48	12.10
Worker	120	209	8	18.5	0.09	0.37	5.05	0.01	0.01	0.01	138.48	0.05	0.89	139.42
Gen-Tie Trenching	2025													
Total Haul Trips	0													
Hauling	50	79	8	20	0.03	3.71	1.09	0.03	0.05	0.05	0.00	0.00	0.00	0.00
Vendor	2	79	8	10.2	0.00	0.06	0.02	0.00	0.00	0.00	2.19	0.00	0.09	2.29
Worker	40	79	8	18.5	0.03	0.12	1.68	0.00	0.00	0.00	17.45	0.01	0.11	17.57
Gen-Tie Duct and Bank	2025													
Total Haul Trips	0													
Hauling	0	79	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	6	79	8	10.2	0.00	0.17	0.06	0.00	0.00	0.00	6.58	0.00	0.27	6.86
Worker	52	79	8	18.5	0.04	0.16	2.19	0.01	0.00	0.00	22.68	0.01	0.15	22.84
Gen-Tie Jack and Bore	2025													
Total Haul Trips	0													
Hauling	0	25	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	2	25	8	10.2	0.00	0.06	0.02	0.00	0.00	0.00	0.69	0.00	0.03	0.72
Worker	28	25	8	18.5	0.02	0.09	1.18	0.00	0.00	0.00	3.87	0.00	0.02	3.89
Gen-Tie Road Resurface and Clean up	2025													
Total Haul Trips	0													
Hauling	0	27	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	2	27	8	10.2	0.00	0.06	0.02	0.00	0.00	0.00	0.75	0.00	0.03	0.78
Worker	20	27	8	18.5	0.01	0.06	0.84	0.00	0.00	0.00	2.98	0.00	0.02	3.00
Gen-Tie Road Resurface and Clean up	2026													
Total Haul Trips	0													
Hauling	0	51	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	2	51	8	10.2	0.00	0.05	0.02	0.00	0.00	0.00	1.39	0.00	0.06	1.45
Worker	20	51	8	18.5	0.01	0.06	0.79	0.00	0.00	0.00	5.49	0.00	0.03	5.53
Decomissioning	2026													
Total Haul Trips	0													
Hauling	30	25	8	20	0.02	2.14	0.63	0.02	0.03	0.03	0.00	0.00	0.00	0.00
Vendor	2	25	8	10.2	0.00	0.05	0.02	0.00	0.00	0.00	0.68	0.00	0.03	0.71
Worker	40	25	8	18.5	0.03	0.11	1.57	0.00	0.00	0.00	5.39	0.00	0.03	5.42

Avocet BESS
Mitigated Start Emissions

			Start Emissions Factor (grams/trip)						Start Emissions Factor (grams/trip)		
			ROG_STREX	NOX_STREX	CO_STREX	SOx_STREX	PM10_STREX	PM2.5_STREX	CO2_STREX	CH4_STREX	N2O_STREX
2024	2024Hauling	Hauling	0.00131383	2.662876155	0.00452356	5.4033E-07	1.3156E-06	1.2096E-06	0.05465584	9.1084E-08	2.12363E-05
2024	2024Vendor	Vendor	0.10034232	1.964407075	0.75584386	6.4246E-05	7.3237E-05	6.7339E-05	6.4986495	0.00661036	0.004651472
2024	2024Worker	Worker	1.21191076	0.296693371	3.66054367	0.00074996	0.00234316	0.00215447	75.8604972	0.07983464	0.033975404
2025	2025Hauling	Hauling	0.00102303	2.680558305	0.00418831	4.5648E-07	1.0198E-06	9.3764E-07	0.04617459	8.6873E-08	1.54679E-05
2025	2025Vendor	Vendor	0.09221992	1.974524914	0.69990199	6.0962E-05	6.7947E-05	6.2474E-05	6.16650277	0.00620411	0.004443988
2025	2025Worker	Worker	1.1484907	0.279209405	3.42247591	0.00072902	0.00224915	0.00206801	73.7429743	0.07479933	0.032778516
2026	2026Hauling	Hauling	0.00070769	2.687061052	0.00326657	3.6329E-07	6.6872E-07	6.1487E-07	0.03674827	8.3197E-08	8.70704E-06
2026	2026Vendor	Vendor	0.08610505	1.975470977	0.64959376	5.7968E-05	6.4131E-05	5.8966E-05	5.8636404	0.00584	0.004237517
2026	2026Worker	Worker	1.08747992	0.264112594	3.20939988	0.00070971	0.00215716	0.00198343	71.7896375	0.07024982	0.031733597
	GWP			N/A					1	25	298

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Regional Emissions (pounds/day)						Regional Emissions (MT/year)			
					ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O	CO2e
Site Preparation	2025													
Total Haul Trips	0													
Hauling	0	13	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	2	13	8	10.2	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	40	13	8	18.5	0.10	0.02	0.30	0.00	0.00	0.00	0.04	0.00	0.00	0.04
Collector Substation Site Preparation	2025													
Total Haul Trips	0													
Hauling	0	13	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	2	13	8	10.2	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	20	13	8	18.5	0.05	0.01	0.15	0.00	0.00	0.00	0.02	0.00	0.00	0.02
BESS Grading	2025													
Total Haul Trips	0													
Hauling	0	52	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	2	52	8	10.2	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	60	52	8	18.5	0.15	0.04	0.45	0.00	0.00	0.00	0.23	0.00	0.00	0.27
Collector Substation Grading	2025													
Total Haul Trips	0													
Hauling	0	27	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	2	27	8	10.2	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	32	27	8	18.5	0.08	0.02	0.24	0.00	0.00	0.00	0.06	0.00	0.00	0.07
Battery/Container Installation & Collector Substation	2025													
Total Haul Trips	0													
Hauling	4	209	8	20	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	4	209	8	10.2	0.00	0.02	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.01
Worker	120	209	8	18.5	0.30	0.07	0.91	0.00	0.00	0.00	1.85	0.00	0.00	2.14
Gen-Tie Trenching	2025													
Total Haul Trips	0													
Hauling	50	79	8	20	0.00	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	2	79	8	10.2	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	40	79	8	18.5	0.10	0.02	0.30	0.00	0.00	0.00	0.23	0.00	0.00	0.27
Gen-Tie Duct and Bank	2025													
Total Haul Trips	0													
Hauling	0	79	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	6	79	8	10.2	0.00	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	52	79	8	18.5	0.13	0.03	0.39	0.00	0.00	0.00	0.30	0.00	0.00	0.35
Gen-Tie Jack and Bore	2025													
Total Haul Trips	0													
Hauling	0	25	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	2	25	8	10.2	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	28	25	8	18.5	0.07	0.02	0.21	0.00	0.00	0.00	0.05	0.00	0.00	0.06
Gen-Tie Road Resurface and Clean up	2025													
Total Haul Trips	0													
Hauling	0	27	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	2	27	8	10.2	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	20	27	8	18.5	0.05	0.01	0.15	0.00	0.00	0.00	0.04	0.00	0.00	0.05
Gen-Tie Road Resurface and Clean up	2026													
Total Haul Trips	0													
Hauling	0	51	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	2	51	8	10.2	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	20	51	8	18.5	0.05	0.01	0.14	0.00	0.00	0.00	0.07	0.00	0.00	0.08
Decomissioning	2026													
Total Haul Trips	0													
Hauling	30	25	8	20	0.00	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	2	25	8	10.2	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	40	25	8	18.5	0.10	0.02	0.28	0.00	0.00	0.00	0.07	0.00	0.00	0.08

Avocet BESS
Idling Emissions

			Idling Emissions Factor (grams/minute)						Idling Emissions Factor (grams/minute)		
			ROG_IDLEX	NOx_IDLEX	CO_IDLEX	SOx_IDLEX	PM10_IDLEX	PM2.5_IDLEX	CO2_IDLEX	CH4_IDLEX	N2O_IDLEX
2024	2024Hauling	Hauling	0.07764027	0.956610963	1.21508678	0.00171787	0.00054355	0.00051905	193.696523	0.03572269	0.03108579
2024	2024Vendor	Vendor	0.0583762	1.010617051	1.06845797	0.00176298	0.0013745	0.00131412	195.315358	0.03166904	0.03043612
2024	2024Worker	Worker	0	0	0	0	0	0	0	0	0
2025	2025Hauling	Hauling	0.07706328	0.932006921	1.21003736	0.00167737	0.00051684	0.00049345	189.497114	0.03518105	0.03042777
2025	2025Vendor	Vendor	0.05727881	0.974143888	1.06263847	0.00173501	0.00117689	0.001125	192.567388	0.0316536	0.03004889
2025	2025Worker	Worker	0	0	0	0	0	0	0	0	0
2026	2026Hauling	Hauling	0.07649827	0.906502059	1.20504869	0.00163819	0.00049161	0.00046927	185.455078	0.03474182	0.02979533
2026	2026Vendor	Vendor	0.05627065	0.936325113	1.05673135	0.00170617	0.00100642	0.00096186	189.720847	0.03163905	0.02964218
2026	2026Worker	Worker	0	0	0	0	0	0	0	0	0
		GWP	N/A	N/A	N/A	N/A	N/A	N/A	1	25	290

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	Idling minutes per Day	Regional Emissions (pounds/day)						Regional Emissions (MT/year)			
					ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O	CO2e
Site Preparation	2025													
Total Haul Trips	0													
Hauling	0	13	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	2	13	8	6.9	0.00	0.03	0.03	0.00	0.00	0.00	0.03	0.00	0.00	0.04
Worker	40	13	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Collector Substation Site Preparation	2025													
Total Haul Trips	0													
Hauling	0	13	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	2	13	8	6.9	0.00	0.03	0.03	0.00	0.00	0.00	0.03	0.00	0.00	0.04
Worker	20	13	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BESS Grading	2025													
Total Haul Trips	0													
Hauling	0	52	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	2	52	8	6.9	0.00	0.03	0.03	0.00	0.00	0.00	0.14	0.00	0.01	0.15
Worker	60	52	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Collector Substation Grading	2025													
Total Haul Trips	0													
Hauling	0	27	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	2	27	8	6.9	0.00	0.03	0.03	0.00	0.00	0.00	0.07	0.00	0.00	0.08
Worker	32	27	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Battery/Container Installation & Collector Substation	2025													
Total Haul Trips	0													
Hauling	4	209	8	15	0.01	0.12	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	4	209	8	6.9	0.00	0.06	0.06	0.00	0.00	0.00	1.11	0.00	0.05	1.17
Worker	120	209	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gen-Tie Trenching	2025													
Total Haul Trips	0													
Hauling	50	79	8	15	0.13	1.54	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	2	79	8	6.9	0.00	0.03	0.03	0.00	0.00	0.00	0.21	0.00	0.01	0.22
Worker	40	79	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gen-Tie Duct and Bank	2025													
Total Haul Trips	0													
Hauling	0	79	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	6	79	8	6.9	0.01	0.09	0.10	0.00	0.00	0.00	0.63	0.00	0.03	0.66
Worker	52	79	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gen-Tie Jack and Bore	2025													
Total Haul Trips	0													
Hauling	0	25	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	2	25	8	6.9	0.00	0.03	0.03	0.00	0.00	0.00	0.07	0.00	0.00	0.07
Worker	28	25	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gen-Tie Road Resurface and Clean up	2025													
Total Haul Trips	0													
Hauling	0	27	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	2	27	8	6.9	0.00	0.03	0.03	0.00	0.00	0.00	0.07	0.00	0.00	0.08
Worker	20	27	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gen-Tie Road Resurface and Clean up	2026													
Total Haul Trips	0													
Hauling	0	51	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	2	51	8	6.9	0.00	0.03	0.03	0.00	0.00	0.00	0.13	0.00	0.01	0.14
Worker	20	51	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Decomissioning	2026													
Total Haul Trips	0													
Hauling	30	25	8	15	0.08	0.90	1.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	2	25	8	6.9	0.00	0.03	0.03	0.00	0.00	0.00	0.07	0.00	0.00	0.07
Worker	40	25	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Avocet BESS
Road Dust, Break Wear, and Tire wear Emissions

			Emission Factors (grams/mile)					
			PM10			PM2.5		
			RD	PM10_PMBW	PM10_PMTW	RD	PM2.5_PMBW	PM2.5_PMTW
2024	2024Hauling	Hauling	0.29984991	0.08427948	0.03543928	0.07359952	0.02949782	0.00885982
2024	2024Vendor	Vendor	0.29984991	0.063890978	0.02371964	0.07359952	0.02236184	0.00592991
2024	2024Worker	Worker	0.29984991	0.009419633	0.008	0.07359952	0.00329687	0.002
2025	2025Hauling	Hauling	0.29984991	0.084162962	0.03544313	0.07359952	0.02945704	0.00886078
2025	2025Vendor	Vendor	0.29984991	0.063767774	0.02372157	0.07359952	0.02231872	0.00593039
2025	2025Worker	Worker	0.29984991	0.009385513	0.008	0.07359952	0.00328493	0.002
2026	2026Hauling	Hauling	0.29984991	0.084352575	0.03544711	0.07359952	0.0295234	0.00886178
2026	2026Vendor	Vendor	0.29984991	0.063787152	0.02372356	0.07359952	0.0223255	0.00593089
2026	2026Worker	Worker	0.29984991	0.009353635	0.008	0.07359952	0.00327377	0.002

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Regional Emissions (pounds/day)					
					PM10			PM2.5		
					RD	BW	TW	RD	BW	TW
Site Preparation	2025									
Total Haul Trips	0									
Hauling	0	13	8	20	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	2	13	8	10.2	0.01	0.00	0.00	0.00	0.00	0.00
Worker	40	13	8	18.5	0.49	0.02	0.01	0.12	0.01	0.00
Collector Substation Site Preparation	2025									
Total Haul Trips	0									
Hauling	0	13	8	20	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	2	13	8	10.2	0.01	0.00	0.00	0.00	0.00	0.00
Worker	20	13	8	18.5	0.24	0.01	0.01	0.06	0.00	0.00
BESS Grading	2025									
Total Haul Trips	0									
Hauling	0	52	8	20	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	2	52	8	10.2	0.01	0.00	0.00	0.00	0.00	0.00
Worker	60	52	8	18.5	0.73	0.02	0.02	0.18	0.01	0.00
Collector Substation Grading	2025									
Total Haul Trips	0									
Hauling	0	27	8	20	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	2	27	8	10.2	0.01	0.00	0.00	0.00	0.00	0.00
Worker	32	27	8	18.5	0.39	0.01	0.01	0.10	0.00	0.00
Battery/Container Installation & Collector Substation	2025									
Total Haul Trips	0									
Hauling	4	209	8	20	0.05	0.01	0.01	0.01	0.01	0.00
Vendor	4	209	8	10.2	0.03	0.01	0.00	0.01	0.00	0.00
Worker	120	209	8	18.5	1.47	0.05	0.04	0.36	0.02	0.01
Gen-Tie Trenching	2025									
Total Haul Trips	0									
Hauling	50	79	8	20	0.66	0.19	0.08	0.16	0.06	0.02
Vendor	2	79	8	10.2	0.01	0.00	0.00	0.00	0.00	0.00
Worker	40	79	8	18.5	0.49	0.02	0.01	0.12	0.01	0.00
Gen-Tie Duct and Bank	2025									
Total Haul Trips	0									
Hauling	0	79	8	20	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	6	79	8	10.2	0.04	0.01	0.00	0.01	0.00	0.00
Worker	52	79	8	18.5	0.64	0.02	0.02	0.16	0.01	0.00
Gen-Tie Jack and Bore	2025									
Total Haul Trips	0									
Hauling	0	25	8	20	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	2	25	8	10.2	0.01	0.00	0.00	0.00	0.00	0.00
Worker	28	25	8	18.5	0.34	0.01	0.01	0.08	0.00	0.00
Gen-Tie Road Resurface and Clean up	2025									
Total Haul Trips	0									
Hauling	0	27	8	20	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	2	27	8	10.2	0.01	0.00	0.00	0.00	0.00	0.00
Worker	20	27	8	18.5	0.24	0.01	0.01	0.06	0.00	0.00
Gen-Tie Road Resurface and Clean up	2026									
Total Haul Trips	0									
Hauling	0	51	8	20	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	2	51	8	10.2	0.01	0.00	0.00	0.00	0.00	0.00
Worker	20	51	8	18.5	0.24	0.01	0.01	0.06	0.00	0.00
Decomissioning	2026									
Total Haul Trips	0									
Hauling	30	25	8	20	0.40	0.11	0.05	0.10	0.04	0.01
Vendor	2	25	8	10.2	0.01	0.00	0.00	0.00	0.00	0.00
Worker	40	25	8	18.5	0.49	0.02	0.01	0.12	0.01	0.00

Avocet BESS

Total On-Road Fuel Consumption

		gal/mile
2021Hauling	Hauling	0
2021Vendor	Vendor	0
2021Worker	Worker	0
2022Hauling	Hauling	0.17004641
2022Vendor	Vendor	0.14160709
2022Worker	Worker	0.03974021
2023Hauling	Hauling	0.16744049
2023Vendor	Vendor	0.1400083
2023Worker	Worker	0.03894266
2024Hauling	Hauling	0.16534457
2024Vendor	Vendor	0.13876713
2024Worker	Worker	0.03808277
2025Hauling	Hauling	0.16305171
2025Vendor	Vendor	0.13736272
2025Worker	Worker	0.03726591
2026Hauling	Hauling	0.16075668
2026Vendor	Vendor	0.1359573
2026Worker	Worker	0.0364859

Avocet BESS

Total On-Road Fuel Consumption

Source	Fuel Type	Total Fuel Use (gal)
Hauling	Diesel	18,019
Vendor	Diesel	2,709
Worker	Gasoline	27,828

Fuel Type	Total Fuel Use	Annual Fuel Use
Diesel	20,727	19,202
Gasoline	27,828	25,780

Duration of Construction	
Start	3/1/2025
End	3/30/2026
1.1	years

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Idling per Day (minutes)	Regional Emissions (gallons) gal/mile	gal/min	gal/day	Total Gallons/yr
Site Preparation	2022								
Total Haul Trips	0								
Hauling	0	13	8	20	15	0.17	0.00E+00	0	0
Vendor	2	13	8	10.2	6.9	0.14	0.00E+00	3	38
Worker	40	13	8	18.5	0	0.04	0.00E+00	29	382
Collector Substation Site Preparation	2025								
Total Haul Trips	0								
Hauling	0	13	8	20	15	0.16	0.00E+00	0	0
Vendor	2	13	8	10.2	6.9	0.14	0.00E+00	3	36
Worker	20	13	8	18.5	0	0.04	0.00E+00	14	179
BESS Grading	2025								
Total Haul Trips	0								
Hauling	0	52	8	20	15	0.16	0.00E+00	0	0
Vendor	2	52	8	10.2	6.9	0.14	0.00E+00	3	146
Worker	60	52	8	18.5	0	0.04	0.00E+00	41	2,151
Collector Substation Grading	2025								
Total Haul Trips	0								
Hauling	0	27	8	20	15	0.16	0.00E+00	0	0
Vendor	2	27	8	10.2	6.9	0.14	0.00E+00	3	76
Worker	32	27	8	18.5	0	0.04	0.00E+00	22	596
Battery/Container Installation & Collector Substation	2025								
Total Haul Trips	0								
Hauling	4	209	8	20	15	0.16	0.00E+00	13	2,726
Vendor	4	209	8	10.2	6.9	0.14	0.00E+00	6	1,171
Worker	120	209	8	18.5	0	0.04	0.00E+00	83	17,291
Gen-Tie Trenching	2025								
Total Haul Trips	0								
Hauling	50	79	8	20	15	0.16	0.00E+00	163	12,881
Vendor	2	79	8	10.2	6.9	0.14	0.00E+00	3	221
Worker	40	79	8	18.5	0	0.04	0.00E+00	28	2,179
Gen-Tie Duct and Bank	2025								
Total Haul Trips	0								
Hauling	0	79	8	20	15	0.16	0.00E+00	0	0
Vendor	6	79	8	10.2	6.9	0.14	0.00E+00	8	664
Worker	52	79	8	18.5	0	0.04	0.00E+00	36	2,832
Gen-Tie Jack and Bore	2025								
Total Haul Trips	0								
Hauling	0	25	8	20	15	0.16	0.00E+00	0	0
Vendor	2	25	8	10.2	6.9	0.14	0.00E+00	3	70
Worker	28	25	8	18.5	0	0.04	0.00E+00	19	483
Gen-Tie Road Resurface and Clean up	2025								
Total Haul Trips	0								
Hauling	0	27	8	20	15	0.16	0.00E+00	0	0
Vendor	2	27	8	10.2	6.9	0.14	0.00E+00	3	76
Worker	20	27	8	18.5	0	0.04	0.00E+00	14	372
Gen-Tie Road Resurface and Clean up	2026								
Total Haul Trips	0								
Hauling	0	51	8	20	15	0.16	0.00E+00	0	0
Vendor	2	51	8	10.2	6.9	0.14	0.00E+00	3	141
Worker	20	51	8	18.5	0	0.04	0.00E+00	13	688
Decomissioning	2026								
Total Haul Trips	0								
Hauling	30	25	8	20	15	0.16	0.00E+00	96	2,411
Vendor	2	25	8	10.2	6.9	0.14	0.00E+00	3	69
Worker	40	25	8	18.5	0	0.04	0.00E+00	27	675

A-4 Air Quality Operational Emissions Summary

Avocet Project
Air Quality Assessment

Regional Operational Emissions

Maximum Unmitigated Regional Operational Emissions (pounds per day)

Source	VOC	NO_X	CO	SO_2	PM_{10}	$PM_{2.5}$
Area (Consumer Products, Landscaping)	9.4	0.1	13.2	< 0.005	0.0	0.0
Energy (Natural Gas)	0.1	2.1	1.7	0.0	0.2	0.2
Motor Vehicles	0.0	0.0	0.0	0.0	0.0	0.0
Emergency Generator	0.1	1.2	1.1	0.0	0.1	0.1
Total Project On-Site and Off-Site Emissions	**9.6**	**3.4**	**16.1**	**0.0**	**0.2**	**0.2**
SCAQMD Numeric Indicators	**55**	**55**	**550**	**150**	**150**	**55**
Over/(Under)	(45)	(52)	(534)	(150)	(150)	(55)
Exceeds Thresholds?	**No**	**No**	**No**	**No**	**No**	**No**

Operational trips would be limited to 2-3 times a months. Emissions are limited and are not qualitfied.

Avocet Project
Air Quality Assessment

Localized Operational Emissions

Maximum Unmitigated Localized Operational Emissions (pounds per day)

Source	NO_X	CO	PM_{10}	$PM_{2.5}$
Area (Consumer Products, Landscaping)	0.1	13.2	0.0	0.0
Energy (Natural Gas)	2.1	1.7	0.2	0.2
Emergency Generator	1.2	1.1	0.1	0.1
Total Project On-Site Emissions	**2.2**	**14.9**	**0.2**	**0.2**
SCAQMD Numeric Indicators	**126.0**	**2613.0**	**14.0**	**5.0**
Over/(Under)	(123.8)	(2598.1)	(13.8)	(4.8)
Exceeds Thresholds?	**No**	**No**	**No**	**No**

Localized significance thresholds from SCAQMD Look-Up tables, scaled for a 5-acre site in South Coastal LA County (SRA 4) with the neareast sensitive receptor within 100 meters from the gen-tie area.

A-5 Greenhouse Gas Construction Emissions Summary

Avocet - SCE

GHG Construction Summary

Year	On-Site Emissions	Mobile Emissions	Annual Total
2024	73	32	105
2025	20	7	26
Grand Total	93	39	131
Amortized	-	-	4

Avocet- BESS

GHG Construction Summary

Year	On-Site Emissions	Mobile Emissions	Annual Total
2025	1,298	418	1,717
2026	89	39	127
Grand Total	1,298	418	1,717
Amortized	-	-	57

A-6 Greenhouse Gas Operational Emissions Summary

Avocet Project

Greenhouse Gas Emissions Summary

Project Operations Summary (Full Buildout Year 2026)	
Category	**$mTCO_2e/yr$**
Mobile[1]	0
Area[2]	6
Energy[2]	1262
Waste[2]	117
Water[2]	171
Emergency Generator	3
Construction[2]	62
Project Total	**1,620**

$mTCO_2e$=Metric Tons Carbon Dioxide equivalents

1 = Operational trips would be limited to 2-3 times a months. Emissions are limited and are not qualitfied.

2 = CalEEMod

Operation of the proposed project would include occasional maintenance and landscaping trips to and from the project site;

A-7 Energy Construction Emissions Summary

Avocet BESS Project
Construction Energy Analysis

Project Fuel Summary

	Heavy-Duty Construction Equipment
148,163	Total Project Consumption
87,155	Annual Consumption
	Haul Trucks
18,495	Total Project Consumption
10,879	Annual Consumption
	Vendor Trucks
4,322	Total Project Consumption
2,542	Annual Consumption
	Workers
29,740	Total Project Consumption
17,494	Annual Consumption
170,980	**Total Gallons Diesel**
29,740	**Total Gallons Gasoline**

8/1/2024	Construction Modeling Start (CalEEMod output)
3/30/2026	Construction Modeling Start (CalEEMod output)
1.7	Estimated Project Construction Duration (years)

100,576	**Annual Average Gallons Diesel**
17,494	**Annual Average Gallons Gasoline**

Los Angeles County (2022)			**Percent of Annual Project Compared to Los Angeles County**
Source	**Fuel Type**	**Gallons**	
Workers	Gasoline	3,070,000,000	0.001%
Off-Road/Vendor/Haul Trucks	Diesel	463,800,000	0.022%

Notes:

1 Gasoline and diesel amounts from CEC, 2023. Available: https://www.energy.ca.gov/data-reports/energy-almanac/transportation-energy/california-retail-fuel-outlet-annual-reporting

Annual Average Electricity Summary (over Construction Duration)		
Temporary Construction Trailer - Electricity and Off-Road Equipment	20,468	kWh/year
Water Conveyance for Dust Control	6,583	kWh/year
Total	**27,051**	**kWh/year**
Total SCE[2], 2022	**84,218,000,000**	**kWh/year**
Project percentage of SCE	**0.00000003%**	

Notes:

2 Edison International and Southern California Edison (SCE), 2022 Annual Report. November 2023.
https://download.edison.com/406/files/20232/2022-eix-sce-annual-report.pdf?Signature=N0sq4yv8uPjj%2F32CHqD9P67Ydr0%3D&Expires=1696599567&AWSAccessKeyId=AKIAJX7XEOOELCYGIVDQ&versionId=bpeN_ai

Avocet BESS Project
Construction Energy Analysis

Temporary Construction Trailer - Electricity				
Land Use	**Square Feet**	**Electricity Demand Factor (kWh/sf)**	**Energy Use per year (kWh)**	**Total Energy Use (kWh)**
General Office	1,000	20.47	20,468	34,796

Note: Energy use per sf is derived from CalEEMod User Guide, Appendix G, Table G-28 for the Statewide average for General Office Building land use.

Avocet BESS Project
Construction Energy
Construction Water Energy Estimates

Park Zone	Source	Acreage/Day	Number of Days	Total Construction Water Use (Mgal)	Total Electricity Demand from Water Conveyance (MWh)	Annual Average Electricity Demand from Water Conveyance (MWh)
Avocet - SCE	Civil Construction	0	53	0.000	0.0	0.0
Avocet - SCE	Electrical Construction 1	0	72	0.000	0.0	0.0
Avocet - SCE	Electrical Construction 2	0	10	0.000	0.0	0.0
Avocet - SCE	Electrical Construction 3	0	16	0.000	0.0	0.0
Avocet - SCE	FO Cable Construction 1	0	5	0.000	0.0	0.0
Avocet - SCE	FO Cable Construction 2	0	10	0.000	0.0	0.0
Avocet - BESS	Site Preparation	1	13	0.039	0.3	0.2
Avocet - BESS	Collector Substation Site Preparation	1	13	0.039	0.3	0.2
Avocet - BESS	BESS Grading	1	52	0.156	1.1	0.6
Avocet - BESS	Collector Substation Grading	1	27	0.081	0.6	0.3
Avocet - BESS	Collector and Battery Installation	2	209	1.254	8.5	5.0
Avocet - BESS	Gen-Tie Duct Bank and Vault Installation	0	79	0.000	0.0	0.0
Avocet - BESS	Gen-Tie Jack-and-Bore	0	25	0.000	0.0	0.0
Avocet - BESS	Decommissioning	1	25	0.075	0.5	0.3
Avocet - BESS	Gen-Tie Road Resurface and Clean Up	0	78	0.000	0.0	0.0
Avocet - BESS	Gen-Tie Trenching	0	79	0.000	0.0	0.0
Total				**1.644**	**11.2**	**6.6**

CalEEMod Water Electricity Factors (South Coast)	Electricity Intensity Factor To Supply (kWh/Mgal)	Electricity Intensity Factor To Treat (kWh/Mgal)	Electricity Intensity Factor To Distribute (kWh/Mgal)	Electricity Intensity Factor For Wastewater Treatment (kWh/Mgal)
	3044	725	1537	1501

Sources and Assumptions:

CalEEMod Appendix A, Pg. 8, based on given piece of equipment can pass over in an 8-hour workday

-Electricity Intensity Factors - California Air Resources Board, CalEEMod, Version 2022.1.1.3. Table G-32 Water Energy Intensity Factors Hydrologic Region and Process (KWh per million gallon)

-Estimated construction water use assumed to be generally equivalent to landscape irrigation, based on a factor of 20.94 gallons per year per square foot of landscaped area within the Los Angeles area (Mediterranean climate), which assumes high water demand landscaping materials and an irrigation system efficiency of 85%. Factor is therefore (20.94 GAL/SF/year) x (43,560 SF/acre) / (365 days/year) / (0.85) = 2,940 gallons/acre/day, rounded up to 3,000 gallons/acre/day. (U.S. Department of Energy, Energy Efficiency & Renewable Energy, Federal Energy Management Program. "Guidelines for Estimating Unmetered Landscaping Water Use." July 2010. Page 12, Table 4 - Annual Irrigation Factor – Landscaped Areas with High Water Requirements).

Avocet BESS Project
Construction Energy Analysis
Off-Road Equipment

Equipment ≤ 100 hp

pounds diesel fuel/hp-hr (lb/hp-hr):[1]	0.408	lb/hp-hr
diesel density (lb/gal):[1]	7.11	lb/gal
diesel gallons/hp-hr:	0.0574	gal/hp-hr
Total horsepower-hours:	1,153,381	hp-hr
Total diesel gallons:	66,196	gal

Equipment > 100 hp

pounds diesel fuel/hp-hr (lb/hp-hr):[1]	0.367	lb/hp-hr
diesel density (lb/gal):[1]	7.11	lb/gal
diesel gallons/hp-hr:	0.0516	gal/hp-hr
Total horsepower-hours:	1,587,729	hp-hr
Total diesel gallons:	81,967	gal

Total diesel gallons (off-road equipment): 148,163 gal

CARB, https://www.arb.ca.gov/msei/ordiesel/ordas_ef_fcf_2017.pdf
1. OFFROAD2017 Emission Factor Documentation

Project	Construction Phase	Equipment	Number	Hours/Day	HP	Load	Days	Total hp-hr	Electric Equipment	Electric Conversion (kW/HP)	Electric Demand (kWh)
Avocet - SCE	Civil Construction	Forklifts	1	3	82	0.20	53	2,608		-	-
Avocet - SCE	Civil Construction	Forklifts	1	6	82	0.20	53	5,215		-	-
Avocet - SCE	Civil Construction	Aerial Lifts	1	6	46	0.31	53	4,535		-	-
Avocet - SCE	Civil Construction	Dumpers/Tenders	1	6	16	0.38	53	1,933		-	-
Avocet - SCE	Civil Construction	Generator Sets	1	7	14	0.74	53	3,844		-	-
Avocet - SCE	Civil Construction	Excavators	1	6	36	0.38	53	4,350		-	-
Avocet - SCE	Civil Construction	Skid Steer Loaders	1	6	71	0.37	53	8,354		-	-
Avocet - SCE	Civil Construction	Plate Compactors	1	6.0	8	0.43	53	1,094		-	-
Avocet - SCE	Electrical Construction 1	Forklifts	1	4	82	0.20	72	4,723		-	-
Avocet - SCE	Electrical Construction 1	Forklifts	1	8	82	0.20	72	9,446		-	-
Avocet - SCE	Electrical Construction 1	Aerial Lifts	1	8.0	46	0.31	72	8,214		-	-
Avocet - SCE	Electrical Construction 1	Cranes	1	8	367	0.29	72	61,304		-	-
Avocet - SCE	Electrical Construction 1	Generator Sets	1	8	14	0.74	72	5,967		-	-
Avocet - SCE	Electrical Construction 2	Bore/Drill Rigs	1	10	83	0.50	10	4,150		-	-
Avocet - SCE	Electrical Construction 2	Forklifts	1	10	82	0.20	10	1,640		-	-
Avocet - SCE	Electrical Construction 2	Pumps	1	10	11	0.74	10	814		-	-
Avocet - SCE	Electrical Construction 2	Skid Steer Loaders	1	10	71	0.37	10	2,627		-	-
Avocet - SCE	Electrical Construction 2	Dumpers/Tenders	2	10	16	0.38	10	1,216		-	-
Avocet - SCE	Electrical Construction 2	Cranes	1	10	367	0.29	10	10,643		-	-
Avocet - SCE	Electrical Construction 3	Cranes	1	10	367	0.29	16	17,029		-	-
Avocet - SCE	Electrical Construction 3	Aerial Lifts	2	10	46	0.31	16	4,563		-	-
Avocet - SCE	Electrical Construction 3	Dumpers/Tenders	1	8	16	0.38	16	778		-	-
Avocet - SCE	FO Cable Construction 1	Dumpers/Tenders	1	8	16	0.38	5	243		-	-
Avocet - SCE	FO Cable Construction 2	Tractors/Loaders/Backhoes	1	10	84	0.37	10	3,108		-	-
Avocet - SCE	FO Cable Construction 2	Dumpers/Tenders	1	10	16	0.38	10	608		-	-
Avocet - SCE	FO Cable Construction 2	Aerial Lifts	1	10	46	0.31	10	1,426		-	-
Avocet - BESS	Site Preparation	Graders	2	8	148	0.41	13	12,621		-	-
Avocet - BESS	Site Preparation	Rubber Tired Loaders	2	8	150	0.36	13	11,232		-	-
Avocet - BESS	Site Preparation	Skid Steer Loaders	2	8	71	0.37	13	5,464		-	-
Avocet - BESS	Site Preparation	Tractors/Loaders/Backhoes	2	8	84	0.37	13	6,465		-	-
Avocet - BESS	Collector Substation Site Preparation	Rubber Tired Dozers	2	8	367	0.40	13	30,534		-	-
Avocet - BESS	Collector Substation Site Preparation	Tractors/Loaders/Backhoes	2	8	84	0.37	13	6,465		-	-
Avocet - BESS	BESS Grading	Graders	2	8	148	0.41	52	50,486		-	-
Avocet - BESS	BESS Grading	Plate Compactors	2	8	8	0.43	52	2,862		-	-
Avocet - BESS	BESS Grading	Rollers	2	8	36	0.38	52	11,382		-	-
Avocet - BESS	BESS Grading	Rubber Tired Loaders	2	8	150	0.36	52	44,928		-	-
Avocet - BESS	BESS Grading	Skid Steer Loaders	2	8	71	0.37	52	21,857		-	-
Avocet - BESS	BESS Grading	Tractors/Loaders/Backhoes	2	8	84	0.37	52	25,859		-	-
Avocet - BESS	Collector Substation Grading	Tractors/Loaders/Backhoes	2	8	84	0.37	27	13,427		-	-
Avocet - BESS	Collector Substation Grading	Rubber Tired Dozers	2	8	367	0.40	27	63,418		-	-
Avocet - BESS	Collector Substation Grading	Rollers	2	8	36	0.38	27	5,910		-	-
Avocet - BESS	Collector and Battery Installation	Air Compressors	2	8	37	0.48	209	59,389		-	-
Avocet - BESS	Collector and Battery Installation	Aerial Lifts	2	8	46	0.31	209	47,685		-	-
Avocet - BESS	Collector and Battery Installation	Bore/Drill Rigs	2	8	83	0.50	209	138,776		-	-
Avocet - BESS	Collector and Battery Installation	Cranes	2	8	367	0.29	209	355,902		-	-
Avocet - BESS	Collector and Battery Installation	Excavators	2	8	36	0.38	209	45,746		-	-
Avocet - BESS	Collector and Battery Installation	Generator Sets	2	8	14	0.74	209	34,644		-	-
Avocet - BESS	Collector and Battery Installation	Graders	2	8	148	0.41	209	202,914		-	-
Avocet - BESS	Collector and Battery Installation	Rubber Tired Dozers	2	8	367	0.40	209	490,899		-	-
Avocet - BESS	Collector and Battery Installation	Rollers	2	8	36	0.38	209	45,746		-	-
Avocet - BESS	Collector and Battery Installation	Skid Steer Loaders	2	8	71	0.37	209	87,847		-	-
Avocet - BESS	Collector and Battery Installation	Trenchers	2	8	40	0.50	209	66,880		-	-
Avocet - BESS	Collector and Battery Installation	Tractors/Loaders/Backhoes	2	8	84	0.37	209	103,932		-	-
Avocet - BESS	Collector and Battery Installation	Plate Compactors	2	8	8	0.43	209	11,503		-	-
Avocet - BESS	Gen-Tie Duct Bank and Vault Installation	Aerial Lifts	2	8	46	0.31	79	18,025		-	-
Avocet - BESS	Gen-Tie Duct Bank and Vault Installation	Cranes	2	8	367	0.29	79	134,528		-	-
Avocet - BESS	Gen-Tie Duct Bank and Vault Installation	Generator Sets	2	8	14	0.74	79	13,095		-	-
Avocet - BESS	Gen-Tie Duct Bank and Vault Installation	Skid Steer Loaders	2	8	71	0.37	79	33,205		-	-
Avocet - BESS	Gen-Tie Duct Bank and Vault Installation	Tractors/Loaders/Backhoes	2	8	84	0.37	79	39,285		-	-
Avocet - BESS	Gen-Tie Jack-and-Bore	Other Construction Equipment	1	8	82	0.42	25	6,888		-	-
Avocet - BESS	Gen-Tie Jack-and-Bore	Bore/Drill Rigs	1	8	83	0.50	25	8,300		-	-
Avocet - BESS	Gen-Tie Jack-and-Bore	Skid Steer Loaders	1	8	71	0.37	25	5,254		-	-
Avocet - BESS	Gen-Tie Jack-and-Bore	Tractors/Loaders/Backhoes	1	8	84	0.37	25	6,216		-	-
Avocet - BESS	Gen-Tie Jack-and-Bore	Welders	1	8	46	0.45	25	4,140		-	-
Avocet - BESS	Decommissioning	Concrete/Industrial Saws	2	8	33	0.73	25	9,636		-	-
Avocet - BESS	Decommissioning	Cranes	2	8	367	0.29	25	42,572		-	-
Avocet - BESS	Decommissioning	Rubber Tired Dozers	2	8	367	0.40	25	58,720		-	-
Avocet - BESS	Decommissioning	Tractors/Loaders/Backhoes	2	8	84	0.37	25	12,432		-	-
Avocet - BESS	Gen-Tie Road Resurface and Clean Up	Pavers	1	8	81	0.42	78	21,228		-	-
Avocet - BESS	Gen-Tie Road Resurface and Clean Up	Rollers	1	8	36	0.38	78	8,536		-	-
Avocet - BESS	Gen-Tie Road Resurface and Clean Up	Skid Steer Loaders	1	8	71	0.37	78	16,392		-	-
Avocet - BESS	Gen-Tie Road Resurface and Clean Up	Tractors/Loaders/Backhoes	1	8	84	0.37	78	19,394		-	-
Avocet - BESS	Gen-Tie Trenching	Pumps	2	8	11	0.74	79	10,289		-	-
Avocet - BESS	Gen-Tie Trenching	Skid Steer Loaders	2	8	71	0.37	79	33,205		-	-
Avocet - BESS	Gen-Tie Trenching	Trenchers	2	8	40	0.50	79	25,280		-	-
Avocet - BESS	Gen-Tie Trenching	Tractors/Loaders/Backhoes	2	8	84	0.37	79	39,285		-	-
								Total - >100 hp	**1,587,729**	**Total Electricity**	**-**
								Total - <100 hp	**1,153,381**	**Average per Year**	**-**

A-8 Energy Operational Emissions Summary

Avocet BESS Project
Project Operational Energy Demand

Electricity	kWh/yr	Electrified NG kWh/yr	Electricity from Water (kWh/yr)	MWh/yr
Industrial Park	5,402,719	11,708,618	478,583	17,589.9
Other Asphalt Surfaces	-	-	-	-
Total Building Energy	**5,402,719**	**11,708,618**	**-**	**17,111.337**
Total	**5,402,719**	**11,708,618**	**478,583**	**17,589.920**
Total (including water, see below)	**5,881,302**	**11,708,618**	**478,583**	**17,589.920**

Source: California Air Resources Board, CalEEMod, Version 2020.4.0.

Electricity	MWh/yr
SCE, 2026 Projected Sales	**100,143,000**
Project Annual	**17,590**
Net Project Annual	**17,589.9**
Percent Net Project of SCE	**0.0176%**

Source:CEC, 2021 Integrated Energy Policy Report, SCE Mid Demand Case. https://www.ener

Water	Mgal/yr	MWh/yr
Industrial Park	70	479
Other Asphalt Surfaces	-	-
Total	**70**	**479**
Electricity Intensity Factors	**kWh/Mgal**	
Electricity Factor - Supply	3,044	
Electricity Factor - Treat	725	
Electricity Factor - Distribute	1,537	
Electricity Factor - Wastewater Treatment	1,501	
Electricity from Water Demand	**kWh/yr**	**MWh/yr**
Total	**478,583**	**478.58**

Source: California Air Resources Board, CalEEMod User's Guide Appendix G, Table G-32

Water Demand based on Project Water supply Assessment

Sewage Facilities Charge, Sewage Generation Factor for Residential and Commercial Categories, 2012.

Natural Gas	kBtu/yr	cubic foot (cf)	Electrification (kWh/yr)
Industrial Park	7,684,491	7,424,629	11,708,618
Other Asphalt Surfaces	-	-	-
Mobile Sources	31,059,358	30,009,042	
Total	**38,743,849**	**37,433,671**	**11,708,618**

Source: California Air Resources Board, CalEEMod, Version 2020.4.0.

Conversion factor of 1,035 Btu per cubic foot based on United States Energy Information Administration data

(see: USEIA, Natural Gas, Heat Content of Natural Gas Consumed, February 28, 2018,

https://www.eia.gov/dnav/ng/ng_cons_heat_a_EPG0_VGTH_btucf_a.htm. Accessed March 2020.)

Natural gas to electricity conversion uses an efficiency factor derived from EIA's Commercial Building Energy Consumption Survey, https://www.eia.gov/consumption/commercial/data/2018/

Natural Gas	million cubic foot (cf)
SoCalGas 2026	821,615
Project Annual	30.01
Net Project Annual	**30.0**
Percent Net Project of SoCalGas	**0.00365%**

Source: California Gas and Electric Utilities, 2022 California Gas Report, p. 186,2022.

Avocet BESS Project
Project Operational Energy Demand
Fuel Usage from VMT

Annual VMT (EMFAC)[4]: 288,429,934 miles/year

Fuel Type:[1]	Gasoline	Diesel	Electricity	Natural Gas	Plug-in Hybrid
Percent:	88.2%	5.2%	4.1%	0.3%	2.2%
Miles per Gallon Fuel:	25.5	8.8	-	4.2	58.8
Annual VMT by Fuel Type (miles):	254,430,680	14,920,274	11,923,506	906,460	6,249,013
Annual Fuel Usage (gallons):	9,968,644	1,702,475	-	31,059,358	106,343

	Los Angeles County Fuel Consumption [3]	
	Gasoline	Diesel
Los Angeles County:	3,070,000,000	463,800,000
Project Annual Mobile:	10,074,987	1,702,475
Project Annual Total:	**10,074,987**	**1,702,475**
Net Annual:	**10,074,987**	**1,702,475**
Percent Net Project of Los Angeles County:	0.328%	0.367%

Notes:

1. California Air Resources Board, EMFAC2021 (South Coast Air Basin; Annual; 2027', Aggregate Fleet).
2. Assumes electric vehicles would replace traditional gasoline-fueled vehicles.
3. California Energy Commission, California Retail Fuel Outlet Annual Reporting (CEC-A15) Results, 2022. Available at: https://ww2.energy.ca.gov/almanac/transportation_data/gasoline/piira_retail_survey.html. Accessed October 2023. Diesel is adjusted to account for retail (63.6%) and non-retail (36.4%) diesel sales.
4. EMFAC2021 (v1.0.2) Emissions Inventory

Appendix B

Biological Constraints Analysis Memorandum

MEMORANDUM

To:	Avocet Energy Storage, LLC
From:	Keith Carwana, Project Manager, Dudek
Subject:	Avocet Energy Storage Project Biological Constraints Analysis
Date:	December 9, 2022
cc:	David Hochart and Abby Bergsma, Dudek
Attachment(s):	Figure 1 – Project Location

This technical memorandum documents the results of a biological constraints analysis conducted for the proposed Avocet Energy Storage Project (Project), an approximately 200-megawatt battery energy storage system (BESS) project located on approximately 6.96 acres of developed land in the City of Carson, California (see Figure 1 – Project Location). The proposed Project will consist of batteries installed in racks, inverters, medium-voltage (MV) transformers, switchgear, a collector substation, three proposed generation transmission (gen-tie) options (only one gen-tie option will be built) and other associated equipment to interconnect into the Southern California Edison (SCE) Hinson Substation. The Project site is currently developed as a recycling center and is surrounded by other mixed industrial uses. The SCE Hinson Substation, or point of interconnection, is located approximately 0.62 miles to the northeast in the City of Long Beach.

The purpose of this biological constraints analysis is to document the existing biological resources on the Project site and determine whether any potential constraints exist to implementing the proposed Project. This memorandum includes a description of the existing biological resources, potential constraints to the proposed Project, and recommendations to avoid and/or reduce potential impacts to sensitive biological resources.

1 Environmental Setting

The Project site includes one parcel, APN 7315-020-022, located within the City of Carson. APN 7315-020-022 is designated as Heavy Industrial in the General Plan (City of Carson 2004) and as Manufacturing, Heavy with D overlay in the City of Carson zoning map (City of Carson 2017). Per the Land Use Element of the City General Plan, the Heavy Industrial land use designation is intended to provide for the full range of industrial uses that are acceptable within the community, but whose operations are more intensive and may have nuisance or hazardous characteristics that for reasons of health, safety, environmental effects, or general welfare are best segregated from other uses (City of Carson 2004).

2 Biological Reconnaissance

Prior to a site assessment, Dudek conducted a literature review to determine existing biological conditions and the presence of biological resources within the project site, gen-tie options, and a 500-foot buffer (study area).

A query was conducted on the California Natural Diversity Database (CNDDB) for the U.S. Geological Service 7.5-minute topographic quadrangle for Long Beach. The query was conducted to determine the potential special-status plant and wildlife species that could occur on the project site, should suitable habitat for these species be present.

Dudek biologist Abby Bergsma conducted a general reconnaissance of the Project site and gen-tie options on December 8, 2022, to take a general inventory of the plant and wildlife species observed on the Project site and gen-tie alignments. The Project site, gen-tie alignments, and a 500-foot buffer were surveyed where legal access was allowed. All plants and wildlife species observed were noted in a field notebook.

3 Results and Potential Biological Constraints

Based on the database review and biological reconnaissance, the study area consists of primarily developed habitat. This habitat is not recognized by the Manual of California Vegetation (CNPS 2022) or the Natural Communities List (CDFW 2022). Overall wildlife diversity and abundance in the study area is low, and no sensitive species have been recorded in the study area. The Project site is currently fully developed and surrounded by industrial land use.

No special-status plant or wildlife species were observed during the biological reconnaissance. While special-status species could occur in the general area, the entirety of the Project site consists of developed habitat that does not provide suitable habitat for special-status plant or wildlife species. Gen-tie line option 1 is located within an industrialized area lacking native habitat. Gen-tie line options 2 and 3 are located along Alameda Street, which is dominated by industrial land use and scattered ornamental landscaping. The northern portion of gen-tie option 2 is located along E 223rd St, which provides more suitable nesting habitat for a number of common and migratory bird species protected under the Migratory Bird Treaty Act and California Fish and Game Code Sections 3503, 3503.5, and 3513.

Based on a review of the USFWS National Wetland Inventory (USFWS 2022), no wetlands or drainages are present within the Project site. All three gen-tie line options cross over the Dominguez Channel, a riverine feature classified as R1UBVx (R=Riverine, 1=Tidal, UB=Unconsolidated Bottom, V=Permanently Flooded-Tidal, x=Excavated). R1UBVx features are categorized as permanently flooded, tidally influenced riverine deepwater habitat created by an excavation. Several common species of waterfowl were observed within the channel.

The project site is not mapped as an important wildlife corridor or linkage but may function as a linkage between the Santa Monica Mountains to the northwest and the Cleveland National Forest to the east and southeast. On a local scale, birds and medium-sized mammals may use the project site as a corridor to travel locally.

4 Recommendations

If Project implementation occurs during the avian nesting season (generally, February through August), a nesting bird survey should be conducted within a maximum of 10 days prior to the start of construction in areas that could support tree-, shrub-, and ground-nesting birds to determine the presence or absence of nesting birds immediately prior to construction. The survey should focus on all areas of the Project site and gen-tie corridor, plus a 500-foot buffer, within suitable habitat. If any nesting birds are found, a suitable buffer should be established around the nest, depending on the species sensitivity to disturbance (typically 500 feet for raptors and 300 feet for passerines). Biological monitoring may be required if project construction occurs during the nesting season.

Additionally, if potentially regulated waters or wetlands are found and may be impacted by the Project, permitting under Sections 401 and 404 of the Clean Water Act, as well as Section 1600 of the California Fish and Game Code, will be required prior to Project implementation. Impacts to regulated waters will also require compensatory mitigation at a ratio determined through consultation with the regulatory agencies.

Due to the amount of disturbance on the Project site, there is no suitable habitat for special-status plants. Although the site may function as a local corridor for wildlife movement, the Project does not provide a significant impediment to wildlife movement that would warrant a wildlife corridor study.

Please contact me at kcarwana@dudek.com or 760.889.9498 if you have any questions regarding this biological reconnaissance effort.

References Cited

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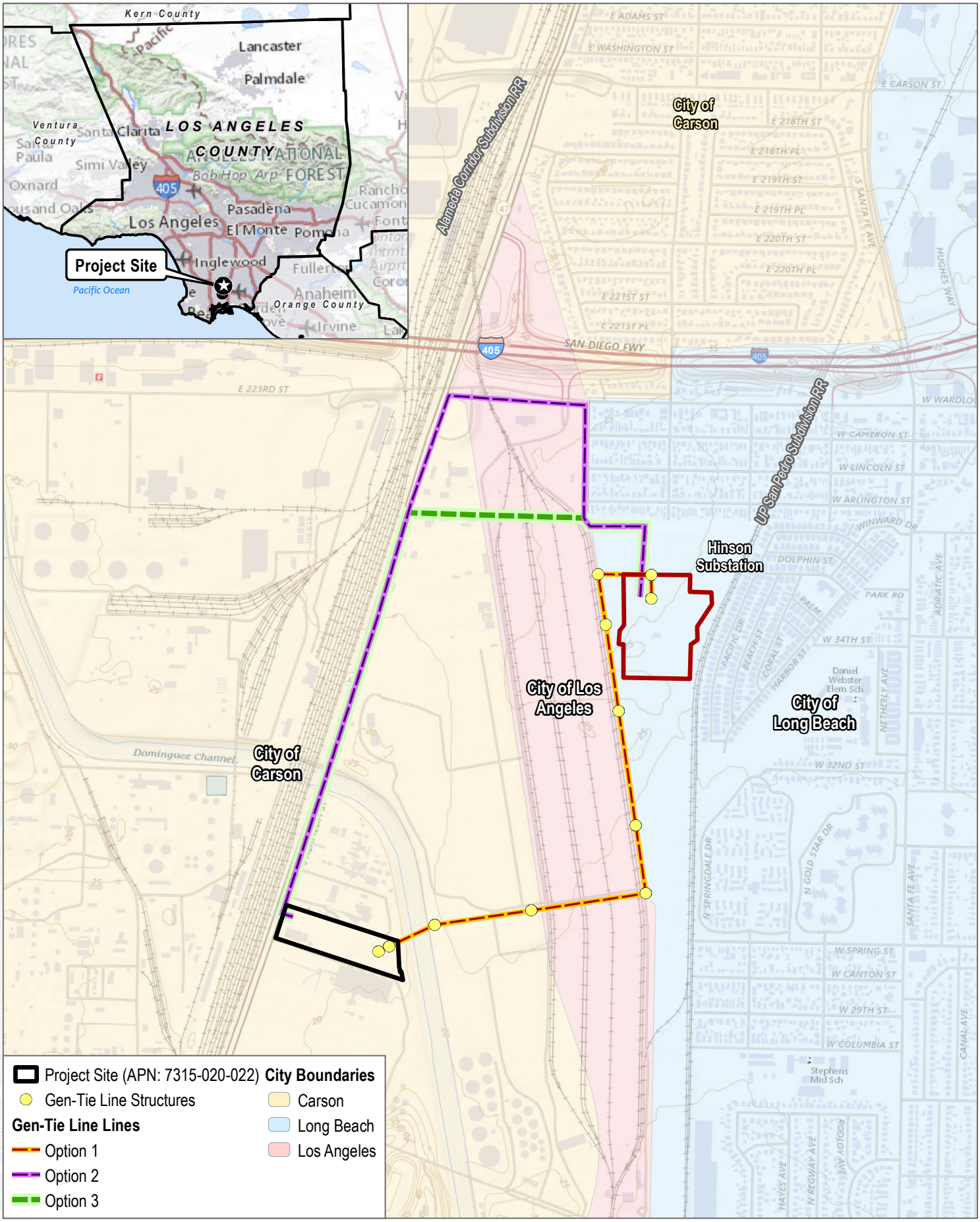
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USFWS. 2022. Wetlands Mapper. Accessed December 2022. https://www.fws.gov/wetlands/data/mapper.html.



SOURCE: Bing Maps 2021; Open Street Map 2019

DUDEK

0 500 1,000 Feet

FIGURE 1

Project Location

Avocet Energy Storage Project

Appendix C

Biological Resources Technical Memorandum

ESA

626 Wilshire Boulevard
Suite 1100
Los Angeles, CA 90017
213.599.4300 phone
213.599.4301 fax

esassoc.com

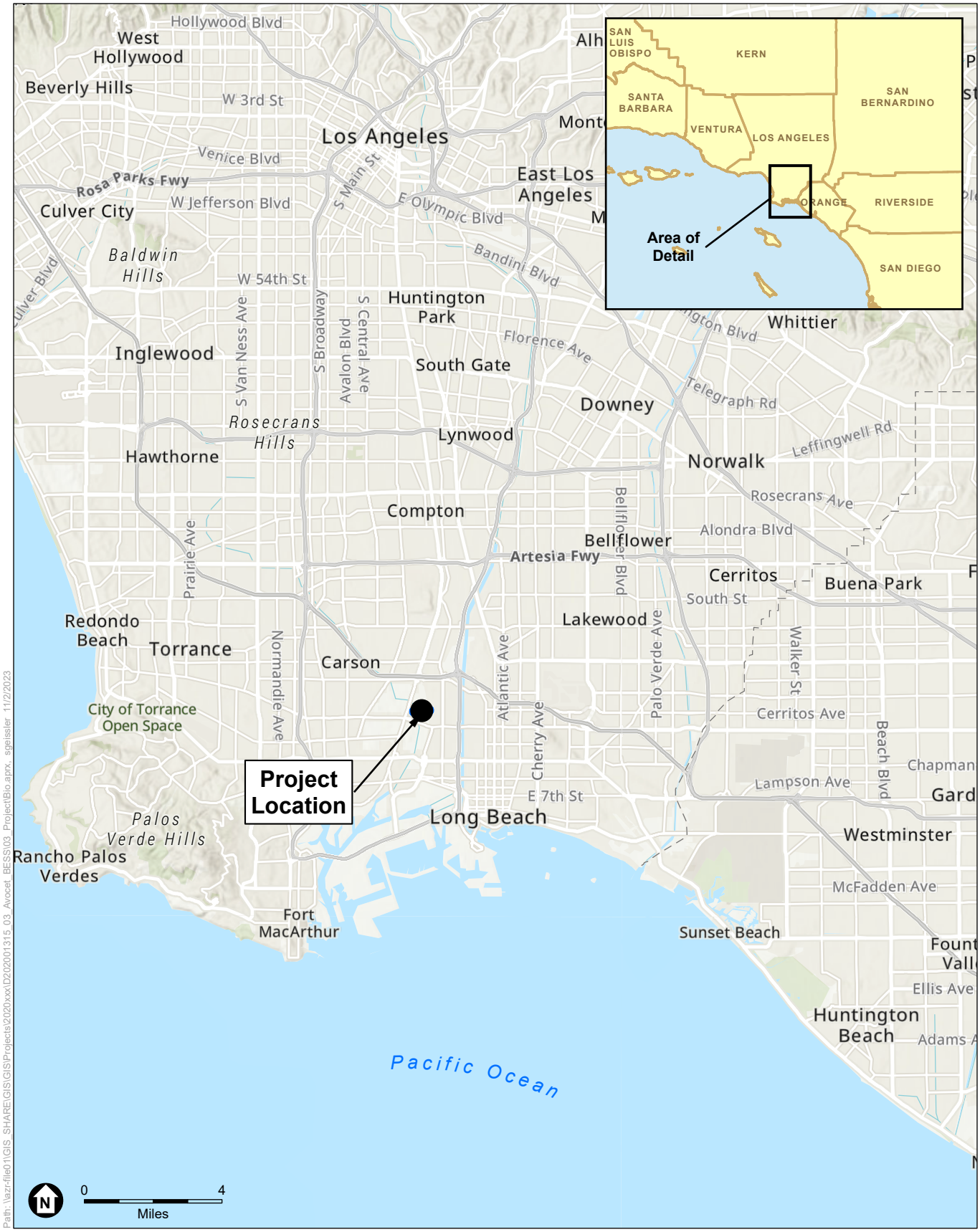
memorandum

date	November 14, 2023
to	McKina Alexander, Associate Planner – Community Development, City of Carson
from	Amanda French, Biologist, and Dan Swenson, Senior Permitting Specialist – Environmental Science Associates
subject	Avocet Energy Storage System Project Biological Resources Technical Memorandum

This memorandum documents the findings of a biological resources assessment conducted by Environmental Science Associates (ESA) for the Avocet Energy Storage System Project (project). This report provides an overview of the proposed project activities, the survey methodology implemented during the assessment, the applicable regulatory framework, existing conditions, sensitive biological resources that have the potential to occur within the study area, and conclusions and impact assessments.

Project Location/Description

The 6.96-acre project site is located at 23320 Alameda Street on Assessor Parcel Number 7315-020-022 within the City of Carson, California (**Figure 1, Regional Location**). The project site is currently developed as a recycling center and is bordered by existing industrial uses to the north and south, Alameda Street to the west, and the Dominguez Channel to the east (**Figure 2, Project Vicinity**). As a part of the project, a 200-megawatt Battery Energy Storage System (BESS), which includes lithium-ion batteries installed within racks, inverters, medium-voltage transformers, switchgear, a collector substation, and other associated equipment, would be constructed within the project site. The BESS would connect into the existing Southern California Edison (SCE) Hinson Substation (point of interconnection) through a generation tie (gen-tie) line that would be constructed through the City of Los Angeles to the SCE Hinson Substation located in the City of Long Beach to the northwest of the project site. The gen-tie line will be partially overhead and partially underground. The overhead portion of the gen-tie line will span from the project site to the east for approximately 0.45-mile crossing over Dominguez Channel and the Union Pacific Railroad (UPRR) to the transition point. Two approximately 175-foot-tall transmission poles would be required for the overhead portion. At the transition point, the gen-tie line would transition underground which would include up to three transition poles each up to 175 feet in height. Within the BESS, the batteries will be arranged on battery storage racks, with relay and communications systems for automated monitoring and managing of the batteries to ensure design performance. The project will receive energy (charging) from the SCE Hinson Substation, storing energy, and then later delivering energy (discharging) back to the point of interconnection.



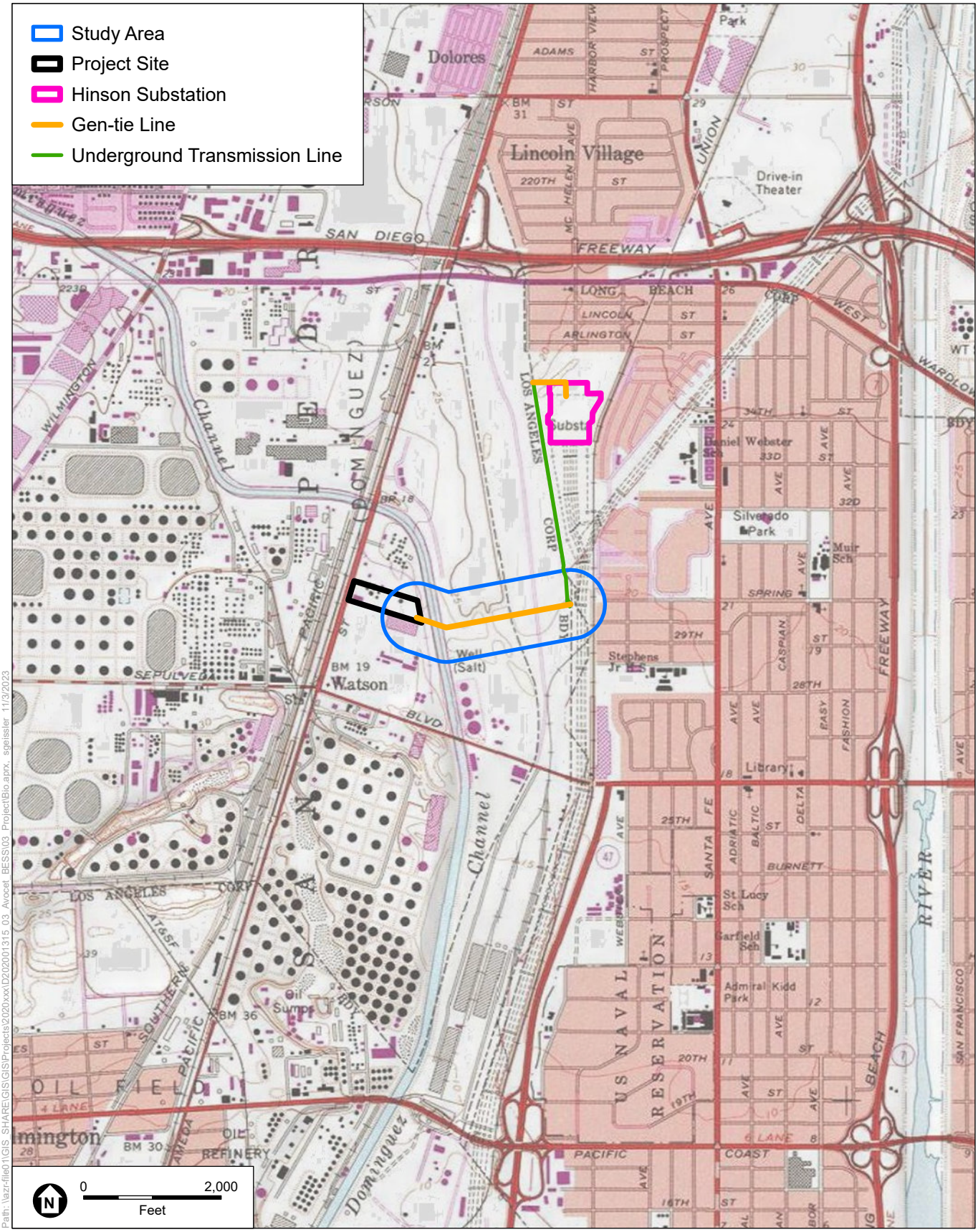
Path: \\azr-file01\GIS_SHARE\GIS\GIS\Projects\2020xxx\D20200315_03_Avocet_BESS\03_Project\Bio.aprx, sgeissler 11/2/2023

SOURCE: ESRI

Avocet Energy Storage Project

Figure 1
Regional Location

ESA



SOURCE: USGS 7.5" Topoquad: Long Beach; ESA, 2023

Avocet Energy Storage Project

Figure 2
Project Vicinity

ESA

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In December 2022, a Biological Constraints Analysis (BCA) was conducted for the project site and three gen-tie line options (Dudek 2022). However, the southern portion of the alignment of the updated gen-tie line option (also referred to as the overhead transmission line) differs from gen-tie line options A, B, and C analyzed in the BCA. Therefore, this memorandum documents the findings of the biological resources assessment conducted for the southern portion of the updated gen-tie line. As shown in Figure 2, the 70.6-acre study area includes the gen-tie line running east over Dominguez Channel and Union Pacific Railroad, and a 500-foot-buffer surrounding the gen-tie line.

Methodology

Literature Review

Prior to visiting the site, ESA conducted a query of the following resource inventory databases to analyze the potential for sensitive and aquatic resources to occur within the study area:

- California Department of Fish and Wildlife (CDFW). 2023a. California Natural Diversity Data Base (CNDDB). Database was queried for special status species records in the Long Beach USGS 7.5-minute quadrangle and seven surrounding quadrangles including Inglewood, Los Alamitos, San Pedro, Seal Beach, South Gate, Torrance, and Whittier. Accessed October 17, 2023. https://wildlife.ca.gov/Data/CNDDB/Maps-and-Data.
- CDFW. 2023b. California Sensitive Natural Communities List. Sacramento, CA: CDFW, Natural Heritage Division, June 1, 2023. Accessed October 17, 2023. https://nrm.dfg.ca.gov/FileHandler.ashx?DocumentID=153609&inline.
- California Native Plant Society (CNPS). 2023. Inventory of Rare and Endangered Vascular Plants of California. Database was queried for special status species records in the Long Beach USGS 7.5-minute quadrangle and seven surrounding quadrangles including Inglewood, Los Alamitos, San Pedro, Seal Beach, South Gate, Torrance, and Whittier. Accessed October 17, 2023. https://rareplants.cnps.org/Search/Advanced.
- Natural Resource Conservation Service (NRCS). 2023. Web Soil Survey. Accessed October 17, 2023. https://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm.
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- USFWS. 2023b. National Wetlands Inventory. Accessed October 17, 2023. https://fwsprimary.wim.usgs.gov/wetlands/apps/wetlands-mapper/.
- U.S. Geological Survey (USGS). 2023. TNM Download (v2.0) National Hydrography Dataset (NHD). Accessed October 17, 2023. https://apps.nationalmap.gov/downloader/.

Biological Resources Assessment

The biological resources assessment was conducted by ESA biologist Amanda French on September 29, 2023. The assessment was conducted within the gen-tie line alignment and a surrounding 500-foot buffer, collectively referred to as the study area. The assessment consisted of walking transects throughout the study area to characterize and map plant communities and land use, and to determine the potential for special-status plants and wildlife to occur. No access to the UPRR was provided at the time of the assessment. Additionally, offsite viewing of the UPRR was also unavailable due to security gating around the facility; therefore, characterization

of this area was based on review of aerial imagery. All incidental, visual observations of flora and fauna, including sign (i.e., presence of scat) as well as any audible detections, were noted during the site visit and are described in further detail below.

Natural communities and land use were mapped to quantify their areal extent within the study area using ArcGIS software. Plant taxonomy followed Hickman (1993), as updated in *The Jepson Manual: Vascular Plants of California, Second Edition* (Baldwin et al. 2012), and plant community descriptions were characterized using *A Manual of California Vegetation* (Sawyer et al. 2009). Plant communities, land uses, and habitats not identified within the manuals were characterized based on species dominance. Representative photographs were taken during the field assessment and are provided in **Attachment A – Representative Photographs**.

Regulatory Framework

Federal and State Endangered Species Acts

The Federal Endangered Species Act (FESA) provides guidance for conserving federally listed species and the ecosystems upon which they depend. Section 9 of the FESA and its implementing regulations prohibit the "take" of any federally-listed endangered or threatened plant or animal species, unless otherwise authorized by federal regulations. "Take" includes the destruction of a listed species' habitat. Section 9 also prohibits several specified activities with respect to endangered and threatened plants.

The California Endangered Species Act (CESA) mandates that state agencies do not approve a project that would jeopardize the continued existence of species if reasonable and prudent alternatives are available that would avoid a jeopardy finding. CESA also prohibits the take of any fish, wildlife, or plant species listed as endangered or threatened, or designated as candidates for listing, under CESA. Similar to the FESA, CESA contains a procedure for the CDFW to issue an incidental take permit authorizing the take of listed and candidate species incidental to an otherwise lawful activity, subject to specified conditions.

Migratory Bird Treaty Act

The Migratory Bird Treaty Act (MBTA) prohibits the take of native birds "by any means or manner to pursue, hunt, take, capture (or) kill" any migratory birds except as permitted by regulations issued by the USFWS. The term "take" is defined by USFWS regulation to mean to "pursue, hunt, shoot, wound, kill, trap, capture or collect" any migratory bird or any part, nest, or egg of any migratory bird covered by the conventions, or to attempt those activities.

Rivers and Harbors Act of 1899

Section 10 of the Rivers and Harbors Act (RHA) (33 U.S.C. § 403) requires authorization from the United States Army Corps of Engineers (USACE) for work or structures in or affecting navigable waters of the U.S. The term "navigable waters of the U. S." generally includes those waters that are subject to the ebb and flow of the tide and/or are presently used, or have been used in the past, or may be susceptible to use to transport interstate or foreign commerce. A determination of navigability, once made, applies laterally over the entire surface of the waterbody, and is not extinguished by later actions or events which impede or destroy navigable capacity (33 C.F.R. §329.4). In tidal areas, the limit of navigable water under Section 10 is the elevation of mean highwater mark, even though portions of the waterbody may be extremely shallow, or obstructed by shoals, vegetation, or

other barriers. Marshlands and similar areas are thus considered “navigable in law”, but only so far as the area is subject to inundation by the mean high waters (33 C.F.R. §329.12).

Section 14 of the RHA of 1899 (33 U.S.C. § 408), commonly referred to as “Section 408,” authorizes the USACE to grant permission to alter, occupy, or use a Corps civil works project if the Secretary determines that the activity will not be injurious to the public interest and will not impair the usefulness of the project.

Clean Water Act

The CWA establishes the basic structure for regulating discharges of pollutants into the waters of the United States and regulating quality standards for surface waters. The basis of the CWA was enacted in 1948 and was called the Federal Water Pollution Control Act, but the law was significantly reorganized and expanded in 1972. “Clean Water Act” became the law’s common name with amendments in 1972.

Section 404 of the CWA establishes a program to regulate the discharge of dredged or fill material into waters of the United States, including wetlands. Activities in waters of the United States regulated under this program include fill for development, water resource projects (such as dams and levees), infrastructure development (such as highways and airports), and mining projects. Section 404 requires that a permit be issued before dredged or fill material may be discharged into waters of the United States, unless the activity is exempt from regulation under Section 404 (e.g., certain farming and forestry activities).

Wetlands are defined by USACE as “those areas that are inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. Wetlands generally include swamps, marshes, bogs, and similar areas” (33 CFR 328.3[c][1]; 40 CFR 120.2[c][1]). Indicators of three wetland parameters (hydric soils, hydrophytic vegetation, and wetlands hydrology), as determined by site investigation, must be present at a site for USACE to classify the site as a wetland (Environmental Laboratory 1987).

Section 401 of the CWA gives the state authority to grant, deny, or waive certification of proposed federally licensed or permitted activities resulting in discharge to waters of the United States. The State Water Resources Control Board (State Water Board) directly regulates multi-regional projects and supports the Section 401 certification and wetlands program statewide. The regional water quality control board (RWQCB) regulates activities pursuant to Section 401(a)(1) of the federal CWA, which specifies that certification from the state is required for any applicant requesting a federal license or permit to conduct any activity including but not limited to the construction or operation of facilities that may result in any discharge into navigable waters. The certification shall originate from the state or appropriate interstate water pollution control agency in/where the discharge originates or will originate. Any such discharge will comply with the applicable provisions of CWA Sections 301, 302, 303, 306, and 307.

Porter-Cologne Water Quality Control Act of 1969

In the absence of waters of the U.S., waters may be regulated under the Porter-Cologne Water Quality Control Act if project activities, discharges, or proposed activities or discharges could affect California's surface, coastal, or ground waters. The permit submitted by the applicant and issued by RWQCB is either a Water Quality Certification in the presence of waters of the U.S. or a Waste Discharge Requirement (WDR) in the absence of waters of the U.S.

The State Wetland Definition and Procedures for Discharges of Dredged or Fill Material to Waters of the State (State Wetland Definition and Procedures), as prepared by the State Water Resources Control Board, was adopted April 2, 2019, and revised April 6, 2021. The State Wetland Definition and Procedures include a definition for wetland waters of the state as well as exclusions for certain artificial wetlands.

The Water Code defines "waters of the state" broadly to include "any surface water or groundwater, including saline waters, within the boundaries of the state." "Waters of the state" includes all "waters of the U.S.":

Native Plant Protection Act

The Native Plant Protection Act (NPPA) includes measures to preserve, protect, and enhance rare and endangered native plants. The list of native plants afforded protection pursuant to the NPPA includes those listed as rare and endangered under the CESA. The NPPA provides limitations on take as follows: "No person will import into this state, or take, possess, or sell within this state" any rare or endangered native plant, except in compliance with provisions of the act. Individual landowners are required to notify the CDFW at least 10 days in advance of changing land use to allow the CDFW to salvage any rare or endangered native plant material.

Section 15380 of the California Environmental Quality Act Guidelines

Although threatened and endangered species are protected by specific federal and state statutes, State CEQA Guidelines Section 15380(b) provides that a species not listed on the federal or state list of protected species may be considered rare or endangered if the species can be shown to meet certain specified criteria. These criteria have been modeled after the definition in FESA and the section of the California Fish and Game Code (i.e., CESA) dealing with rare or endangered plants or animals. This section was included in CEQA primarily to deal with situations in which a public agency must review a project that may have a significant effect on, for example, a species that has not been formally listed by either USFWS or CDFW; CEQA provides such an agency with the ability to protect the non-listed species from the potential impacts of a project. CEQA also calls for the protection of other significant resources, such as certain natural communities, for example. Although these resources are not currently protected, CEQA calls for an assessment of whether they would be affected and requires findings of significance regarding potential losses.

Sections 3503 and 3513 of the California Fish and Game Code

Section 3503 of the Fish and Game Code (FGC) prohibits the killing of birds or the destruction of bird nests. Birds of prey are protected under Section 3503.5 of the FGC, which provides that it is "unlawful to take, possess, or destroy any birds in the order Falconiformes or Strigiformes (birds of prey) or to take, possess, or destroy the nest or eggs of any such bird except as otherwise provided by this code or any regulation adopted pursuant thereto." Section 3513 of the FGC prohibits any take or possession of birds that are designated by the MBTA as migratory nongame birds except as allowed by federal rules and regulations promulgated pursuant to the MBTA. Migratory birds include all native birds in the United States, except those non-migratory game species, such as quail and turkey, which are managed by individual states.

Section 1602 of the California Fish and Game Code

Pursuant to Division 2, Chapter 6, Section 1600 et seq. of the California Fish and Game Code, CDFW regulates all diversions, obstructions, or changes to the natural flow or bed, channel, or bank of any river, stream, or lake

which supports fish or wildlife. A notification of a lake or streambed alteration must be submitted to CDFW for "any activity that may substantially change the bed, channel, or bank of any river, stream, or lake." In addition, CDFW has authority under the Fish and Game Code over wetland and riparian habitats associated with lakes and streams. CDFW reviews proposed actions and, if necessary, submits to the applicant a proposal that includes measures to protect affected fish and wildlife resources. The final proposal that is mutually agreed upon by CDFW and the applicant is the Lake and Streambed Alteration Agreement.

City of Carson Tree Preservation and Protection Ordinance

The City of Carson Tree Preservation and Protection Ordinance (City of Carson Ordinance No. Ord. 07-1397, § 5; Ord. 12-1487, § 5) only regulates removal and trimming of City-owned trees. Written application must be submitted to the City Public Works Division manager to receive approval for removal or trimming of trees located within parkways.

City of Long Beach Trees and Shrubs Ordinance

The City of Long Beach Trees and Shrubs Ordinance (City of Long Beach Ordinance No. C-7642 § 1) regulates removal of trees and shrubs in parkways. Written application by a registered consulting arborist must be submitted to the City Public Works director to receive approval for removal of trees located within parkways.

Los Angeles County Oak Tree Ordinance

Oak trees (*Quercus* sp.) are protected under the County of Los Angeles Oak Tree Ordinance, Section 22.56.2050 – 22.56.2260 of the Los Angeles County Municipal Code. The Ordinance stipulates that "unless otherwise provided in Section 22.56.2070, a person shall not cut, destroy, remove, relocate, inflict damage or encroach into a protected zone of any tree of the oak genus which is (a) 25 inches or more in circumference (eight inches in diameter) as measured four and one-half feet above mean natural grade, on any lot or parcel of land within the unincorporated area of Los Angeles County, or (b) any tree that has been provided as a replacement tree, pursuant to Section 22.56.2180, on any lot or parcel of land within the unincorporated area of Los Angeles County, unless an oak tree permit is first obtained as provided by this part 16" (Section 22.56.2060).

Existing Conditions

Topography and Soils

Topography within the study area is generally flat, ranging between an elevation of 20 feet above mean sea level (amsl) and 25 feet amsl. A total of two soil types were mapped within the study area (see **Figure 3, Soils**), including urban land-Metz-Pico complex, 0 to 2 percent slopes and urban land, 0 to 2 percent slopes (NRCS 2023). A brief description of each soil type is provided below:

Urban land-Metz-Pico complex, 0 to 2 percent slopes

This soil type was mapped along the eastern portion of the study area. It consists of somewhat excessively drained soils consisting of discontinuous human-transported material over mixed alluvium derived from granite and/or sedimentary rock. The depth to duripan is more than 80 inches, and the typical soil profile consists of loamy sand 0–18 inches, sand 18–37 inches, silt loam 37–49 inches, and sand 49–79 inches.

Urban land, 0 to 2 percent slopes

This soil type was mapped along the western portion of the study area. It consists of human-transported material.

Natural Communities and Land Cover Types

The natural communities and land cover types characterized and mapped within the study area are depicted in **Figure 4, Natural Communities and Land Cover Types**, and their respective acreages are provided in **Table 1, Natural Communities and Land Cover Types**. A complete list of plant species observed within the study area is provided in **Attachment B, Floral and Faunal Compendia**. Each natural community and land cover type is described in detail below.

TABLE 1
NATURAL COMMUNITIES AND LAND COVER TYPES

Natural Community/Land Cover Type	Gen-tie Line (acres)	500-foot Buffer (acres)	Total (acres)
Non-Native Grasses and Forbs	0.08	6.70	6.78
Open Water	0.19	3.40	3.59
Disturbed/Developed/Ornamental	2.77	57.46	60.23
TOTAL	**3.04**	**67.56**	**70.60**

SOURCE: ESA 2023

Non-Native Grasses and Forbs

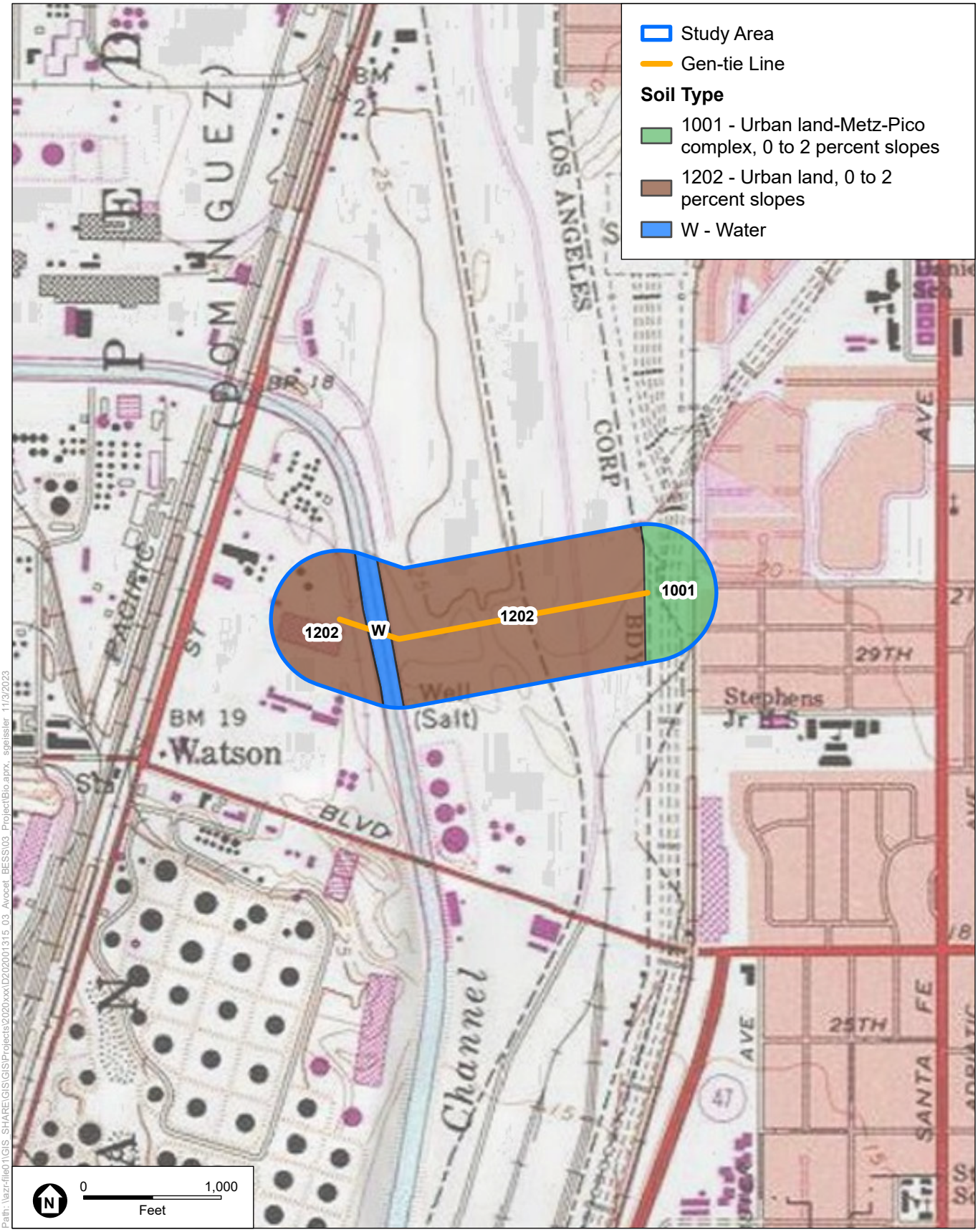
Non-native grasses and forbs occur along the banks of Dominguez Channel and within the eastern portion of the study area within the transmission line easement. This community is characterized by substantial disturbance both historic (i.e., excavation and grading) and ongoing (i.e., regular mowing activities), and exists in a successional state. It supports a dense herbaceous layer primarily comprised of non-native grasses and forbs such as brome grass (*Bromus* sp.), short-podded mustard (*Hirschfeldia incana*), and Russian thistle (*Salsola sp*.). Isolated occurrences of non-native tree tobacco (*Nicotiana glauc*a) were observed within this community along the banks of Dominguez Channel.

Open Water

Open water land cover occurs within the Dominguez Channel that runs north to south through the eastern portion of the study area.

Disturbed/Developed/Ornamental

Disturbed/developed/ornamental land cover types represent the majority of the study area. These areas are either entirely or largely devoid of vegetation except for weedy non-native growth and ornamentally planted trees.



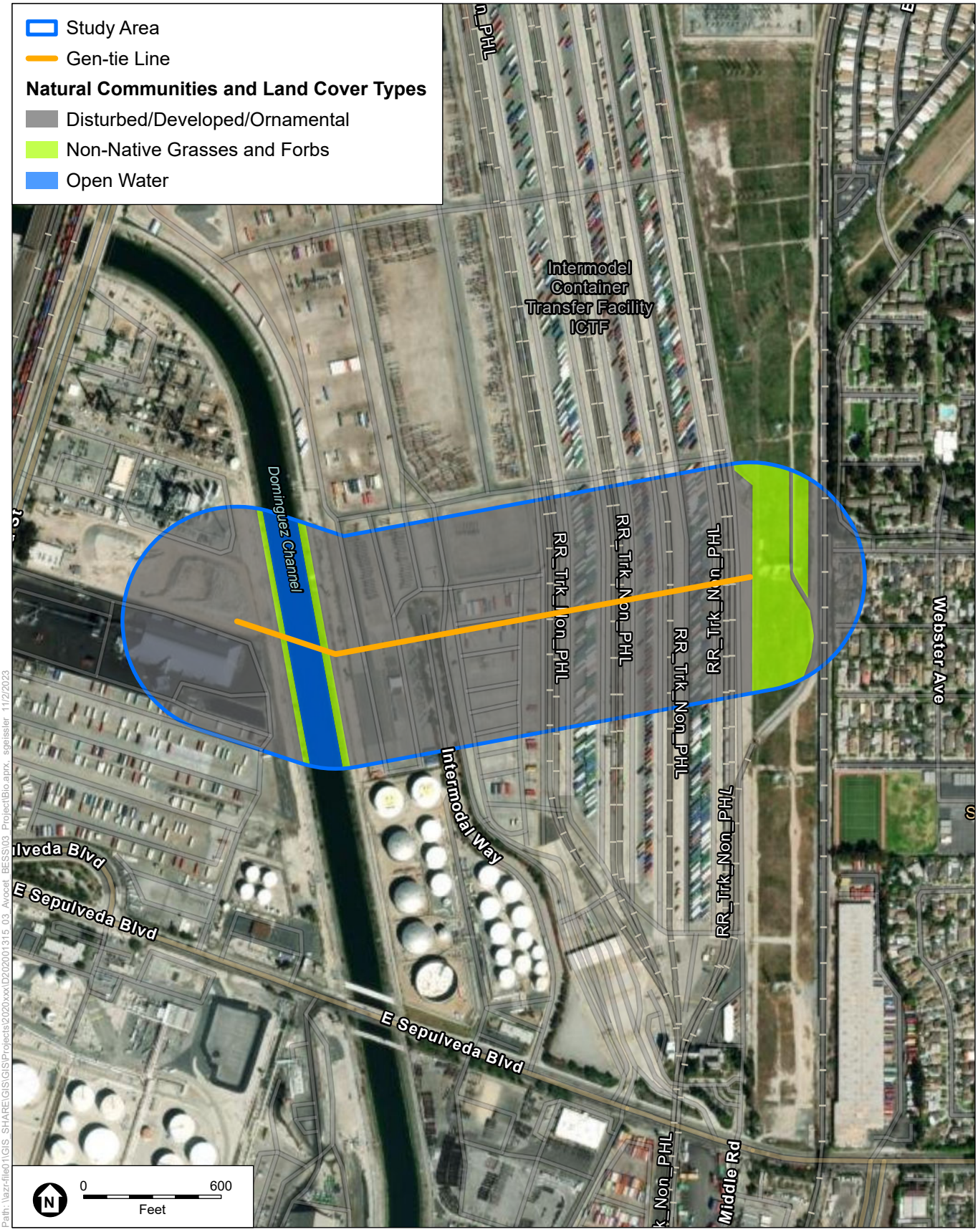
Path: \\azr-file01\GIS SHARE\GIS\GIS\Projects\2020xxx\D2020001315_03 Avocet BESS\03 Project\Bio aprx, sgeissler 11/3/2023

SOURCE: USGS 7.5" Topoquad: Long Beach; NRCS; ESA, 2023

Avocet Energy Storage Project

Figure 3
Soils

ESA



SOURCE: ESRI, 2023

Avocet Energy Storage Project

Figure 4
Natural Communities and Land Cover Types

ESA

Sensitive Natural Communities

"Sensitive" natural communities and habitats are defined by CDFW as those natural communities that have a reduced range and/or are imperiled because of various forms of development and other anthropogenic stressors, including residential and commercial expansion, various forms of agriculture, energy production, mining, etc. These communities are evaluated using NatureServe's Heritage Methodology (NatureServe 2023), which is based on the knowledge of range and distribution of a specific vegetation type and the proportion of occurrences that are of good ecological integrity. Evaluation is done at both a global (natural range within and outside of California [G]) and subnational (State level for California [S]) level, each ranked from 1 ("critically imperiled" or very rare and threatened) to 5 (demonstrably secure). A community or habitat with a State rank of S1 through S3 are considered "sensitive" natural communities and may require review when evaluating environmental impacts (CDFW 2023b).

No natural communities observed within the study area meet the criteria for a CDFW sensitive natural community.

Special-Status Plants

Special-status plants are defined as those that, because of their recognized rarity or vulnerability to various causes of habitat loss or population decline, are recognized by federal, state, or other agencies as imperiled in some way. Some of these species receive specific protection that is defined by federal or state endangered species legislation and others have been designated as special-status based on adopted policies (e.g., counties and cities) and/or the expertise of state resource agencies or non-profit organizations (e.g., CNPS). For purposes of this report, special-status plants are defined as follows:

- Plants that are listed or proposed for listing as threatened or endangered or are candidates for possible future listing as threatened or endangered, under the FESA or the CESA.
- Plants that meet the definitions of rare or endangered under State CEQA Guidelines Section 15380.
- Plants considered by the CNPS to be rare, threatened, or endangered (Rank 1A, 1B, 2A and 2B plants) in California.
- Plants listed as rare under the California Native Plant Protection Act (Fish and Game Code 1900 et seq.).

A review of the CNDDB (CDFW 2023a) and the CNPS Inventory of Rare and Endangered Plants (CNPS 2023) revealed that many special-status plant species have been recorded within the USGS quadrangle search area (see **Attachment C, CNDDB and CNPS Results)**. The potential for special-status plant species to occur is based on existing vegetation and habitat quality, topography, elevation, soils, surrounding land uses, habitat preferences and geographic ranges. Potential to occur categories are defined as follows:

Not Expected: Suitable habitat for the species is not present.

Low Potential: Limited habitat exists for a particular species. For example, the appropriate vegetation assemblage may be present while the substrate preferred by the species may be absent, or the preferred habitat may be present, but has undergone substantial disturbance, such that the species is not expected to occur.

Moderate Potential: Marginal habitat for a particular species is present. For example, the available habitat may be somewhat disturbed, however, still supports important components, such as a particular soil or community type.

High Potential: The study area provides suitable habitat conditions for a particular species and/or known populations occur in the immediate vicinity.

Present: The species was observed during the biological resources assessment.

Using the criteria defined above, it was determined that no suitable habitat for special-status plant species is present within or immediately adjacent to the study area. Based on the location of suitable habitat, known geographic distributions and/or range restrictions, none of the identified sensitive plant species have the potential to occur within the study area (i.e., are not expected). The identified plant species are therefore omitted from further discussion in this report.

Special-Status Animals

Special-status wildlife are defined as those that, because of their recognized rarity or vulnerability to various causes of habitat loss or population decline, are recognized by federal, state, or other agencies as imperiled in some way. Some of these species receive specific protection that is defined by federal or state endangered species legislation and others have been designated as special-status based on adopted policies (e.g., counties and cities) and/or the expertise of state resource agencies or non-profit organizations (e.g., Western Bat Working Group). Special-status wildlife are defined as follows:

- Wildlife that are listed or proposed for listing as threatened or endangered or are candidates for possible future listing as threatened or endangered, under the FESA or the CESA.
- Wildlife that meet the definitions of rare or endangered under California Environmental Quality Act (CEQA) Guidelines Section 15380.
- Wildlife designated by CDFW as species of special concern, CDFW Watch List species, or have a state rank of S1-S3 on CDFW's Special Animals List (CNDDB 2023).
- Wildlife "fully protected" in California (FGC Sections 3511, 4700, and 5050).
- Bird species protected by the MBTA.
- Bat species considered by the Western Bat Working Group (WBWG) as the highest priority for funding, planning, and conservation actions.

The potential for special-status wildlife species to occur within the study area was assessed according to on-site vegetation and habitat quality, topography, elevation, soils, surrounding land uses, habitat preferences and geographic ranges. A review of the CNDDB (CDFW 2023a) revealed that many special-status wildlife species have been recorded within the USGS quadrangle search area (see Attachment C) containing the study area. Potential to occur categories are defined as follows:

Not Expected: Suitable habitat for the species is not present.

Low Potential: The study area supports limited habitat for a particular species. For example, the appropriate vegetation assemblage may be present while the substrate preferred by the species may be absent.

Moderate Potential: Marginal habitat for a particular species may exist. For example, the habitat may be heavily disturbed and/or may not support all stages of a species' life cycle; or may not fit all preferred habitat characteristics.

High Potential: The study area provides suitable habitat conditions for a particular species and/or known populations occur in the immediate vicinity.

Present: The species was observed within the study area during the site assessment.

Using the criteria defined above, it was determined that no suitable habitat for special-status wildlife species is present within or immediately adjacent to the study area. Based on habitat preference, geographic distributions, and/or range restrictions, it was determined that all of the species generated in the database search do not have the potential to occur because they lack the necessary habitat requirements (i.e., are not expected). Such species are therefore omitted from further discussion in this report.

Critical Habitat

Under the FESA, to the extent feasible, the USFWS and National Marine Fisheries Service (NMFS) are required to designate critical habitat for endangered and threatened species. Critical habitat is defined as areas of land, water, and air space containing the physical and biological features essential for the survival and recovery of endangered and threatened species. Designated critical habitat includes sites for breeding and rearing, movement or migration, feeding, roosting, cover, and shelter that are essential to the survival and recovery of the species, whether the habitat is currently occupied by the species or not. Designated critical habitats require special management and protection of existing resources, including water quality and quantity, host animals and plants, food availability, pollinators, sunlight, and specific soil types.

The study area is not located within designated critical habitat. The nearest critical habitat to the study area is for the coastal California gnatcatcher (*Polioptila californica californica*) located within the Palos Verdes Hills approximately 5.96 miles to the southwest of the study area (USFWS 2023a).

Wildlife Movement

Migration corridors are navigable pockets or strips of land that connect larger tracts of open space together, allowing them to function as a greater habitat complex. These “passages” can exist on a small scale, allowing wildlife to pass through or under an otherwise uninhabitable area including a roadway, housing development, or city through drainage culverts, green belts and waterways; or on a larger scale, providing an opportunity for wildlife to skirt large topographical features (e.g., mountains, lakes, streams) by utilizing adjacent canyons, valleys and upland swaths when migrating.

The study area is located within an urban environment surrounded by development and does not support any native habitat. There are minimal parks or natural habitats in the adjacent areas; thus, limiting the amount of large wildlife that would migrate through the area. Additionally, the study area is not within any wildlife corridors or habitat blocks designated by the Eastern Santa Monica Mountains Habitat Linkage Planning Map (SMMC 2021), Griffith Park Area Habitat Linkage Planning Map (SMMC 2017), or the South Coast Missing Linkage report (SC Wildlands 2006).

Urban adapted species of birds, reptiles, invertebrates, and small mammals that are tolerant of anthropogenic disturbance in Los Angeles may occur in the area. Additionally, large mammals such as coyote (*Canis latrans*), striped skunk (*Mephitis mephitis*), and raccoon (*Procyon lotor*), may use the area for hunting and movement. While the eastern portion of the study area provides some refuge for wildlife, the noise and disturbance within the surrounding area provides low quality habitat for wildlife. The study area is not expected to function as an important migration corridor.

Aquatic Resources

Aquatic resources observed within the survey area include one perennial drainage, Dominguez Channel, which is depicted in **Figure 5, Aquatic Resources within the Study Area – Navigable Waters**. Dominguez Channel runs north to south through the study area and comprises approximately 3.6 acres (1,358 linear feet). Ordinary high water mark (OHWM) data points were not collected along the length of the aquatic feature as an aquatic resources assessment was not conducted.

The Dominguez Channel Watershed comprises 15 cities and other jurisdictions, and the majority of the land is highly urbanized and industrialized. Dominguez Channel is a channelized feature that begins in Hawthorne and drains to the Los Angeles Harbor within San Pedro Bay of the Pacific Ocean. NWI maps Dominguez Channel as a riverine feature and NHD maps it as a perennial stream/river (USFWS 2023b; USGS 2023). The channel is unlined below the Vermont Avenue crossing and is designated as a Navigable Water as it is influenced by tidal action below Vermont Avenue (Lyons and Birosik 2007; USACE 1981).

Water was present within the Dominguez Channel during the biological resources assessment. Vegetation along the banks of the channel were dominated by horseweed (*Erigeron canadensis*), bristly ox-tongue (*Helminthotheca echioides*), tree tobacco (*Nicotiana glauca*), and Russian thistle (*Salsola* sp.).

Conclusions and Potential Impacts

Sensitive Natural Communities

No sensitive natural communities occur within the study area. As a result, sensitive natural communities would not be impacted by the proposed project activities.

Special-Status Plants

Based on the development and lack of native habitats in the study area, special-status plant species are not expected to occur within the project site and would not be impacted by the proposed project activities.

Special-Status Wildlife

Based on the development and lack of native habitats in the study area, special-status wildlife species are not expected to occur within the project site and would not be impacted by the proposed project activities.

Critical Habitat

There is no federally designated critical habitat located within the study area. As a result, critical habitat would not be impacted by the proposed project activities.

Protected Trees

No oak trees protected under the County of Los Angeles Oak Tree Ordinance, Section 22.56.2050 – 22.56.2260 of the Los Angeles County Municipal Code occur within the study area. No trees, including oak trees, are planned for removal as a result of the proposed project activities.



SOURCE: ESRI, 2023

Avocet Energy Storage Project

Figure 5
Aquatic Resources within the Study Area – Navigable Waters

ESA

Wildlife Movement

While wildlife likely uses the study area to forage, breed, and to some extent, for local and regional movement, the study area does not link large areas of contiguous, intact habitat together, and is not expected to function as an important migration corridor. The proposed project may result in both direct and indirect impacts to nesting migratory birds such as house finch (*Haemorhous mexicanus*) that may use the study area for foraging and/or nesting. Ground disturbance and vegetation clearing activities may disrupt breeding/nesting behavior, such as copulation, nest building or incubation, or result in the removal of an active nest. Avoidance and minimization measure **AMM-1** below would minimize potential impacts to nesting migratory birds.

Habitat Conservation Plans and Natural Community Conservation Plans

There are currently no existing habitat conservation plans or natural community conservation plans within the study area.

Aquatic Resources

Installation of the gen-tie line will not result in a discharge of dredged or fill material to the Dominguez Channel as the poles for the overhead transmission line will be installed outside of the channel. Therefore, the project will not be subject to the regulatory jurisdiction of the U.S. Army Corps of Engineers (USACE) pursuant to Section 404 of the federal Clean Water Act (CWA); Los Angeles Regional Water Quality Control Board (RWQCB) pursuant to Section 401 of the federal CWA and the Porter Cologne Water Quality Control Act; or the California Department of Fish and Wildlife (CDFW) pursuant to Sections 1600 et seq. of the California Fish and Game Code (FGC). However, installation of the gen-tie line over the Dominguez Channel would require authorization under Section 10 of the Rivers and Harbors Act (RHA) (33 U.S.C. § 403) from the USACE for work or structures in or affecting Navigable Waters of the U.S.

Avoidance and Minimization Measures

Compensatory mitigation is not required due to the absence of special-status species as well as the current low ecological value of the study area. Furthermore, no compensatory mitigation is required for aquatic resources as the project would not discharge dredged or fill material into Dominguez Channel.

Avoidance and Minimization Measure (AMM)-1: Nesting Birds/Raptors

Project activities could negatively impact nesting birds that are protected in accordance with the MBTA and FGC. Therefore, the following measure is recommended to avoid impacts to nesting birds and raptors:

- If work activities occur within the avian nesting season (generally defined as January 15 through September 15), a qualified biologist should conduct a nesting bird and raptor survey within 30 days of the anticipated start date, and no less than 3 days prior to ground disturbance, to identify any active nests within 500 feet of suitable nesting habitat. If an active nest is found, the nest should be avoided, and a suitable buffer zone delineated in the field where no impacts would occur until the chicks have fledged the nest as determined by a qualified biologist. Construction avoidance buffers are generally 300 feet for non-listed passerines and 500 feet for listed avian species and raptors; however, avoidance buffers may be reduced for non-listed species at the discretion of the biologist, depending on the location of the nest and species tolerance to human presence and construction-related noises and vibrations.

AMM-2: Aquatic Resources

The following are recommended to reduce impacts to aquatic resources as a result of project activities:

- Prior to installation of the overhead transmission line over Navigable Waters (Dominguez Channel), consultation with USACE is recommended to determine whether a Section 10 permit will be necessary.
- Erosion control measures (i.e. silt fencing, straw wattles, etc.) should be implemented adjacent to Dominguez Channel to prevent sediment/contaminants from continuing offsite into the channel.
- Re-fueling of equipment should be conducted at least 50 feet from Dominguez Channel.
- Drip pans should be placed underneath all mechanical machinery that will be staged adjacent to Dominguez Channel.

AMM-3: General Avoidance and Minimization Measures

- Prior to the commencement of construction activities, construction personnel should check under stationary equipment to ensure no wildlife species are present.
- All trash should be collected daily and taken offsite for proper disposal.

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Attachment A
Representative Photographs



Photo 1 (NW). Photograph depicts the project site along the gen-tie line.



Photo 2 (N). Photograph depicts the dirt road that runs between the project site and Dominguez Channel on the west side of the gen-tie line.



Photo 3 (N). Photograph depicts the non-native grasses and forbs vegetation along the banks of Dominguez Channel.



Photo 4 (E). Photograph depicts Dominguez Channel from the west side of the channel in the general location of the proposed gen-tie line.



Photo 5 (S). Photograph depicts Dominguez Channel from the west side of the channel.



Photo 6 (S). Photograph depicts non-native grasses and forbs vegetation within the eastern portion of the study area.

Attachment B
Floral and Faunal Compendia

Scientific Name	Common Name	Wetland Indicator Status	Comment
Flora			
Angiosperms			
Eudicots			
Asteraceae	**Aster Family**		
Erigeron canadensis	horseweed	FACU	
*Helminthotheca echioides**	bristly oxtongue	FAC	
Brassicaceae	**Mustard Family**		
*Hirschfeldia incana**	short-podded mustard	NL	
*Raphanus sativus**	wild raddish	NL	
Chenopodiaceae	**Goosefoot Family**		
Salsola sp.*	Russian thistle	NL	
Malvaceae	**Mallow Family**		
*Malva parviflora**	cheeseweed	NL	
Solanaceae	**Nightshade Family**		
Datura wrightii	sacred datura	UPL	
*Nicotiana glauca**	tree tobacco	FAC	
Solanum spp.	nightshade	NL	
Zygophyllaceae	**Caltrop Family**		
Tribulus terrestris	puncture vine	NL	
Monocots			
Arecaceae	**Palm Family**		
*Washingtonia robusta**	Mexican fan palm	FACW	
Poaceae	**Grass Family**		
Bromus spp.*	brome	NL	
*Pennisetum setaceum**	fountaingrass	NL	

Scientific Name	Common Name	Comment
Fauna		
Birds		
Accipitridae	**Hawks**	
Buteo jamaicensis	red-tailed hawk	
Columbidae	**Pigeons and Doves**	
Zenaida macroura	mourning dove	
Corvidae	**Jays and Crows**	
Corvus corax	common raven	
Falconidae	**Falcons**	
Falco sparverius	American kestrel	
Sturnidae	**Starlings**	
Sturnus vulgaris	European starling	
Mammals		
Sciuridae	**Squirrels**	
Otospermophilus beecheyi	California ground squirrel	direct observation and burrows

Attachment C
CNDDB and CNPS Results

CALIFORNIA DEPARTMENT OF FISH and WILDLIFE RareFind

Query Summary:
Quad IS (Long Beach (3311872) OR Inglewood (3311883) OR Los Alamitos (3311871) OR San Pedro (3311863) OR Seal Beach (3311861) OR South Gate (3311882) OR Torrance (3311873) OR Whittier (3311881))

Print Close

CNDDB Element Query Results

Scientific Name	Common Name	Taxonomic Group	Element Code	Total Occs	Returned Occs	Federal Status	State Status	Global Rank	State Rank	CA Rare Plant Rank	Other Status	Habitats
Agelaius tricolor	tricolored blackbird	Birds	ABPBXB0020	957	6	None	Threatened	G1G2	S2	null	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_EN-Endangered, USFWS_BCC-Birds of Conservation Concern	Freshwater marsh, Marsh & swamp, Swamp, Wetland
Anniella stebbinsi	Southern California legless lizard	Reptiles	ARACC01060	426	11	None	None	G3	S3	null	CDFW_SSC-Species of Special Concern, USFS_S-Sensitive	Broadleaved upland forest, Chaparral, Coastal dunes, Coastal scrub
Aphanisma blitoides	aphanisma	Dicots	PDCHE02010	82	3	None	None	G3G4	S2	1B.2	SB_CRES-San Diego Zoo CRES Native Gene Seed Bank, SB_SBBG-Santa Barbara Botanic Garden	Coastal bluff scrub, Coastal dunes, Coastal scrub
Aspidoscelis tigris stejnegeri	coastal whiptail	Reptiles	ARACJ02143	148	4	None	None	G5T5	S3	null	CDFW_SSC-Species of Special Concern	null
Astragalus hornii var. hornii	Horn's milk-vetch	Dicots	PDFAB0F421	28	1	None	None	GUT1	S1	1B.1	BLM_S-Sensitive	Alkali playa, Meadow & seep, Wetland
Astragalus pycnostachyus var. lanosissimus	Ventura Marsh milk-vetch	Dicots	PDFAB0F7B1	7	1	Endangered	Endangered	G2T1	S1	1B.1	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_SBBG-Santa Barbara Botanic Garden	Coastal dunes, Coastal scrub, Marsh & swamp, Salt marsh, Wetland
Astragalus tener var. titi	coastal dunes milk-vetch	Dicots	PDFAB0F8R2	6	1	Endangered	Endangered	G2T1	S1	1B.1	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	Coastal bluff scrub, Coastal dunes, Coastal prairie
Athene cunicularia	burrowing owl	Birds	ABNSB10010	2011	5	None	None	G4	S2	null	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern, USFWS_BCC-Birds of Conservation Concern	Coastal prairie, Coastal scrub, Great Basin grassland, Great Basin scrub, Mojavean desert scrub, Sonoran desert scrub, Valley & foothill grassland
Atriplex coulteri	Coulter's saltbush	Dicots	PDCHE040E0	121	2	None	None	G3	S1S2	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_CRES-San Diego Zoo CRES Native Gene Seed Bank	Coastal bluff scrub, Coastal dunes, Coastal scrub, Valley & foothill grassland
Atriplex pacifica	south coast saltscale	Dicots	PDCHE041C0	109	5	None	None	G4	S2	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_CRES-San Diego Zoo CRES Native Gene Seed Bank	Alkali playa, Coastal bluff scrub, Coastal dunes, Coastal scrub
Atriplex parishii	Parish's brittlescale	Dicots	PDCHE041D0	15	3	None	None	G1G2	S1	1B.1	SB_CRES-San Diego Zoo CRES Native Gene Seed Bank, USFS_S-Sensitive	Alkali playa, Chenopod scrub, Meadow & seep, Vernal pool, Wetland
Atriplex serenana var. davidsonii	Davidson's saltscale	Dicots	PDCHE041T1	26	2	None	None	G5T1	S1	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	Coastal bluff scrub, Coastal scrub

Bombus crotchii	Crotch bumble bee	Insects	IIHYM24480	437	10	None	Candidate Endangered	G2	S2	null	IUCN_EN-Endangered	null
Brennania belkini	Belkin's dune tabanid fly	Insects	IIDIP17010	5	1	None	None	G1G2	S1S2	null	IUCN_VU-Vulnerable	Coastal dunes
Buteo regalis	ferruginous hawk	Birds	ABNKC19120	107	1	None	None	G4	S3S4	null	CDFW_WL-Watch List, IUCN_LC-Least Concern	Great Basin grassland, Great Basin scrub, Pinon & juniper woodlands, Valley & foothill grassland
Buteo swainsoni	Swainson's hawk	Birds	ABNKC19070	2561	1	None	Threatened	G5	S4	null	BLM_S-Sensitive, IUCN_LC-Least Concern	Great Basin grassland, Riparian forest, Riparian woodland, Valley & foothill grassland
Calochortus plummerae	Plummer's mariposa-lily	Monocots	PMLIL0D150	230	4	None	None	G4	S4	4.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	Chaparral, Cismontane woodland, Coastal scrub, Lower montane coniferous forest, Valley & foothill grassland
Calochortus weedii var. intermedius	intermediate mariposa-lily	Monocots	PMLIL0D1J1	197	2	None	None	G3G4T3	S3	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, USFS_S-Sensitive	Chaparral, Coastal scrub, Valley & foothill grassland
Calystegia felix	lucky morning-glory	Dicots	PDCON040P0	10	2	None	None	G1Q	S1	1B.1	null	Meadow & seep, Riparian scrub
Centromadia parryi ssp. australis	southern tarplant	Dicots	PDAST4R0P4	94	26	None	None	G3T2	S2	1B.1	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_CRES-San Diego Zoo CRES Native Gene Seed Bank, SB_SBBG-Santa Barbara Botanic Garden	Marsh & swamp, Salt marsh, Valley & foothill grassland, Vernal pool, Wetland
Centromadia pungens ssp. laevis	smooth tarplant	Dicots	PDAST4R0R4	137	1	None	None	G3G4T2	S2	1B.1	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	Alkali playa, Chenopod scrub, Meadow & seep, Riparian woodland, Valley & foothill grassland, Wetland
Charadrius nivosus nivosus	western snowy plover	Birds	ABNNB03031	138	4	Threatened	None	G3T3	S3	null	CDFW_SSC-Species of Special Concern	Great Basin standing waters, Sand shore, Wetland
Chelonia mydas	green turtle	Reptiles	ARAAA02010	2	1	Threatened	None	G3	S1	null	IUCN_EN-Endangered	Marine bay
Chloropyron maritimum ssp. maritimum	salt marsh bird's-beak	Dicots	PDSCR0J0C2	26	5	Endangered	Endangered	G4?T1	S1	1B.2	BLM_S-Sensitive, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_CRES-San Diego Zoo CRES Native Gene Seed Bank, SB_SBBG-Santa Barbara Botanic Garden	Coastal dunes, Marsh & swamp, Salt marsh, Wetland
Cicindela hirticollis gravida	sandy beach tiger beetle	Insects	IICOL02101	34	3	None	None	G5T2	S2	null	null	Coastal dunes
Cicindela latesignata	western beach tiger beetle	Insects	IICOL02110	27	6	None	None	G2G3	S1	null	null	Estuary, Mud shore/flats, Salt marsh, Sand shore
Cicindela senilis frosti	senile tiger beetle	Insects	IICOL02121	9	1	None	None	G2G3T1T3	S1	null	null	Mud shore/flats, Wetland
Coccyzus americanus occidentalis	western yellow-billed cuckoo	Birds	ABNRB02022	165	5	Threatened	Endangered	G5T2T3	S1	null	BLM_S-Sensitive, USFS_S-Sensitive	Riparian forest
Crossosoma californicum	Catalina crossosoma	Dicots	PDCRO02020	80	2	None	None	G3	S3	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	Chaparral, Coastal scrub
Danaus plexippus plexippus pop. 1	monarch - California	Insects	IILEPP2012	396	12	Candidate	None	G4T1T2Q	S2	null	IUCN_EN-Endangered,	Closed-cone coniferous forest

	overwintering population										USFS_S-Sensitive	
Dudleya multicaulis	many-stemmed dudleya	Dicots	PDCRA040H0	154	1	None	None	G2	S2	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, USFS_S-Sensitive	Chaparral, Coastal scrub, Valley & foothill grassland
Dudleya virens ssp. insularis	island green dudleya	Dicots	PDCRA040S2	23	3	None	None	G3?T3	S3	1B.2	null	Coastal bluff scrub, Coastal scrub
Empidonax traillii extimus	southwestern willow flycatcher	Birds	ABPAE33043	70	2	Endangered	Endangered	G5T2	S3	null	null	Riparian woodland
Emys marmorata	western pond turtle	Reptiles	ARAAD02030	1518	3	None	None	G3G4	S3	null	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_VU-Vulnerable, USFS_S-Sensitive	Aquatic, Artificial flowing waters, Klamath/North coast flowing waters, Klamath/North coast standing waters, Marsh & swamp, Sacramento/San Joaquin flowing waters, Sacramento/San Joaquin standing waters, South coast flowing waters, South coast standing waters, Wetland
Eryngium aristulatum var. parishii	San Diego button-celery	Dicots	PDAPI0Z042	83	1	Endangered	Endangered	G5T1	S1	1B.1	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_CRES-San Diego Zoo CRES Native Gene Seed Bank	Coastal scrub, Valley & foothill grassland, Vernal pool, Wetland
Eumops perotis californicus	western mastiff bat	Mammals	AMACD02011	296	4	None	None	G4G5T4	S3S4	null	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern	Chaparral, Cismontane woodland, Coastal scrub, Valley & foothill grassland
Glaucopsyche lygdamus palosverdesensis	Palos Verdes blue butterfly	Insects	IILEPG402A	12	7	Endangered	None	G5T1	S1	null	null	Coastal scrub
Glyptostoma gabrielense	San Gabriel chestnut	Mollusks	IMGASB1010	24	3	None	None	G2	S3	null	null	null
Gonidea angulata	western ridged mussel	Mollusks	IMBIV19010	158	1	None	None	G3	S2	null	IUCN_VU-Vulnerable	Aquatic
Habroscelimorpha gabbii	western tidal-flat tiger beetle	Insects	IICOL02080	9	5	None	None	G2G4	S1	null	null	Estuary, Mud shore/flats
Helianthus nuttallii ssp. parishii	Los Angeles sunflower	Dicots	PDAST4N102	7	1	None	None	G5TX	SX	1A	null	Freshwater marsh, Marsh & swamp, Salt marsh, Wetland
Isocoma menziesii var. decumbens	decumbent goldenbush	Dicots	PDAST57091	126	1	None	None	G3G5T2T3	S2	1B.2	BLM_S-Sensitive, SB_CRES-San Diego Zoo CRES Native Gene Seed Bank	Chaparral, Coastal scrub
Lasionycteris noctivagans	silver-haired bat	Mammals	AMACC02010	139	2	None	None	G3G4	S3S4	null	IUCN_LC-Least Concern	Lower montane coniferous forest, Oldgrowth, Riparian forest
Lasiurus xanthinus	western yellow bat	Mammals	AMACC05070	58	1	None	None	G4G5	S3	null	CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern	Desert wash
Lasthenia glabrata ssp. coulteri	Coulter's goldfields	Dicots	PDAST5L0A1	111	13	None	None	G4T2	S2	1B.1	BLM_S-Sensitive, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_SBBG-Santa Barbara Botanic Garden	Alkali playa, Marsh & swamp, Salt marsh, Vernal pool, Wetland
Lycium brevipes var. hassei	Santa Catalina Island desert-thorn	Dicots	PDSOL0G0N0	7	1	None	None	G5T1Q	S1	3.1	null	Coastal bluff scrub, Coastal scrub

Microtus californicus stephensi	south coast marsh vole	Mammals	AMAFF11035	7	4	None	None	G5T2T3	S2	null	CDFW_SSC-Species of Special Concern	null
Nama stenocarpa	mud nama	Dicots	PDHYD0A0H0	22	2	None	None	G4G5	S1S2	2B.2	null	Marsh & swamp, Wetland
Nasturtium gambelii	Gambel's water cress	Dicots	PDBRA270V0	13	1	Endangered	Threatened	G1	S1	1B.1	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_SBBG-Santa Barbara Botanic Garden	Brackish marsh, Freshwater marsh, Marsh & swamp, Wetland
Navarretia fossalis	spreading navarretia	Dicots	PDPLM0C080	82	1	Threatened	None	G2	S2	1B.1	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_CRES-San Diego Zoo CRES Native Gene Seed Bank	Alkali playa, Chenopod scrub, Marsh & swamp, Vernal pool, Wetland
Navarretia prostrata	prostrate vernal pool navarretia	Dicots	PDPLM0C0Q0	61	5	None	None	G2	S2	1B.2	null	Coastal scrub, Meadow & seep, Valley & foothill grassland, Vernal pool, Wetland
Nemacaulis denudata var. denudata	coast woolly-heads	Dicots	PDPGN0G011	42	4	None	None	G3G4T2	S2	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_CRES-San Diego Zoo CRES Native Gene Seed Bank	Coastal dunes
Neotoma lepida intermedia	San Diego desert woodrat	Mammals	AMAFF08041	132	1	None	None	G5T3T4	S3S4	null	CDFW_SSC-Species of Special Concern	Coastal scrub
Nyctinomops femorosaccus	pocketed free-tailed bat	Mammals	AMACD04010	90	2	None	None	G5	S3	null	CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern	Joshua tree woodland, Pinon & juniper woodlands, Riparian scrub, Sonoran desert scrub
Nyctinomops macrotis	big free-tailed bat	Mammals	AMACD04020	32	1	None	None	G5	S3	null	CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern	null
Orcuttia californica	California Orcutt grass	Monocots	PMPOA4G010	39	3	Endangered	Endangered	G1	S1	1B.1	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_CRES-San Diego Zoo CRES Native Gene Seed Bank	Vernal pool, Wetland
Panoquina errans	wandering (=saltmarsh) skipper	Insects	IILEP84030	14	3	None	None	G4G5	S2	null	IUCN_NT-Near Threatened	Marsh & swamp, Wetland
Passerculus sandwichensis beldingi	Belding's savannah sparrow	Birds	ABPBX99015	39	4	None	Endangered	G5T3	S3	null	USFWS_BCC-Birds of Conservation Concern	Marsh & swamp, Wetland
Pelecanus occidentalis californicus	California brown pelican	Birds	ABNFC01021	27	1	Delisted	Delisted	G4T3T4	S3	null	BLM_S-Sensitive, USFS_S-Sensitive	null
Pentachaeta lyonii	Lyon's pentachaeta	Dicots	PDAST6X060	45	3	Endangered	Endangered	G1	S1	1B.1	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	Chaparral, Coastal scrub, Valley & foothill grassland
Perognathus longimembris pacificus	Pacific pocket mouse	Mammals	AMAFD01042	14	2	Endangered	None	G5T2	S2	null	CDFW_SSC-Species of Special Concern	Coastal scrub
Phacelia stellaris	Brand's star phacelia	Dicots	PDHYD0C510	15	3	None	None	G1	S1	1B.1	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	Coastal dunes, Coastal scrub
Phrynosoma blainvillii	coast horned lizard	Reptiles	ARACF12100	784	9	None	None	G4	S4	null	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern	Chaparral, Cismontane woodland, Coastal bluff scrub, Coastal scrub, Desert wash, Pinon & juniper woodlands, Riparian scrub, Riparian woodland, Valley & foothill grassland

Polioptila californica californica	coastal California gnatcatcher	Birds	ABPBJ08081	1087	18	Threatened	None	G4G5T3Q	S2	null	CDFW_SSC-Species of Special Concern	Coastal bluff scrub, Coastal scrub
Rallus obsoletus levipes	light-footed Ridgway's rail	Birds	ABNME05014	32	2	Endangered	Endangered	G3T1T2	S1	null	CDFW_FP-Fully Protected	Marsh & swamp, Salt marsh, Wetland
Riparia riparia	bank swallow	Birds	ABPAU08010	299	4	None	Threatened	G5	S3	null	BLM_S-Sensitive, IUCN_LC-Least Concern	Riparian scrub, Riparian woodland
Rynchops niger	black skimmer	Birds	ABNNM14010	7	1	None	None	G5	S2	null	CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern, USFWS_BCC-Birds of Conservation Concern	Alkali playa, Sand shore
Sagittaria sanfordii	Sanford's arrowhead	Monocots	PMALI040Q0	143	1	None	None	G3	S3	1B.2	BLM_S-Sensitive	Marsh & swamp, Wetland
Sidalcea neomexicana	salt spring checkerbloom	Dicots	PDMAL110J0	30	3	None	None	G4	S2	2B.2	USFS_S-Sensitive	Alkali playa, Chaparral, Coastal scrub, Lower montane coniferous forest, Mojavean desert scrub, Wetland
Siphateles bicolor mohavensis	Mohave tui chub	Fish	AFCJB1303H	24	1	Endangered	Endangered	G4T1	S1	null	AFS_EN-Endangered, CDFW_FP-Fully Protected	Aquatic, Artificial flowing waters, Artificial standing waters
Sorex ornatus salicornicus	southern California saltmarsh shrew	Mammals	AMABA01104	4	1	None	None	G5T1?	S1	null	CDFW_SSC-Species of Special Concern	Salt marsh
Southern Coastal Bluff Scrub	Southern Coastal Bluff Scrub	Scrub	CTT31200CA	23	1	None	None	G1	S1.1	null	null	Coastal bluff scrub
Southern Coastal Salt Marsh	Southern Coastal Salt Marsh	Marsh	CTT52120CA	24	3	None	None	G2	S2.1	null	null	Marsh & swamp, Wetland
Southern Dune Scrub	Southern Dune Scrub	Dune	CTT21330CA	10	1	None	None	G1	S1.1	null	null	Coastal dunes
Southern Foredunes	Southern Foredunes	Dune	CTT21230CA	23	1	None	None	G2	S2.1	null	null	Coastal dunes
Spea hammondii	western spadefoot	Amphibians	AAABF02020	1444	9	None	None	G2G3	S3S4	null	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_NT-Near Threatened	Cismontane woodland, Coastal scrub, Valley & foothill grassland, Vernal pool, Wetland
Sternula antillarum browni	California least tern	Birds	ABNNM08103	75	12	Endangered	Endangered	G4T2T3Q	S2	null	CDFW_FP-Fully Protected	Alkali playa, Wetland
Streptocephalus woottoni	Riverside fairy shrimp	Crustaceans	ICBRA07010	83	1	Endangered	None	G1G2	S2	null	IUCN_EN-Endangered	Coastal scrub, Valley & foothill grassland, Vernal pool, Wetland
Suaeda esteroa	estuary seablite	Dicots	PDCHE0P0D0	39	9	None	None	G3	S2	1B.2	null	Marsh & swamp, Salt marsh, Wetland
Symphyotrichum defoliatum	San Bernardino aster	Dicots	PDASTE80C0	102	6	None	None	G2	S2	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_CRES-San Diego Zoo CRES Native Gene Seed Bank, USFS_S-Sensitive	Cismontane woodland, Coastal scrub, Lower montane coniferous forest, Marsh & swamp, Meadow & seep, Valley & foothill grassland
Taxidea taxus	American badger	Mammals	AMAJF04010	594	1	None	None	G5	S3	null	CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern	Alkali marsh, Alkali playa, Alpine, Alpine dwarf scrub, Bog & fen, Brackish marsh, Broadleaved upland forest, Chaparral, Chenopod scrub, Cismontane woodland, Closed-cone coniferous

												forest, Coastal bluff scrub, Coastal dunes, Coastal prairie, Coastal scrub, Desert dunes, Desert wash, Freshwater marsh, Great Basin grassland, Great Basin scrub, Interior dunes, Ione formation, Joshua tree woodland, Limestone, Lower montane coniferous forest, Marsh & swamp, Meadow & seep, Mojavean desert scrub, Montane dwarf scrub, North coast coniferous forest, Oldgrowth, Pavement plain, Redwood, Riparian forest, Riparian scrub, Riparian woodland, Salt marsh, Sonoran desert scrub, Sonoran thorn woodland, Ultramafic, Upper montane coniferous forest, Upper Sonoran scrub, Valley & foothill grassland
Trigonoscuta dorothea dorothea	Dorothy's El Segundo Dune weevil	Insects	IICOL51021	4	2	None	None	G1T1	S1	null	null	Coastal dunes
Tryonia imitator	mimic tryonia (=California brackishwater snail)	Mollusks	IMGASJ7040	39	3	None	None	G2	S2	null	IUCN_DD-Data Deficient	Aquatic, Brackish marsh, Estuary, Lagoon, Marsh & swamp, Salt marsh, Wetland
Vireo bellii pusillus	least Bell's vireo	Birds	ABPBW01114	505	3	Endangered	Endangered	G5T2	S3	null	null	Riparian forest, Riparian scrub, Riparian woodland

CNPS Rare Plant Inventory

California Native Plant Society

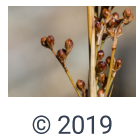
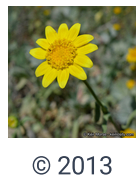
Search Results

46 matches found. Click on scientific name for details

Search Criteria: Quad is one of [3311872:3311863:3311873:3311883:3311882:3311881:3311871:3311861]

▲ SCIENTIFIC NAME	COMMON NAME	FAMILY	LIFEFORM	BLOOMING PERIOD	FED LIST	STATE LIST	GLOBAL RANK	STATE RANK	CA RARE PLANT RANK	CA ENDEMIC	DATE ADDED	PHOTO
Abronia maritima	red sand-verbena	Nyctaginaceae	perennial herb	Feb-Nov	None	None	G4	S3?	4.2		1994-01-01	 ©2003 Christopher L. Christie
Aphanisma blitoides	aphanisma	Chenopodiaceae	annual herb	Feb-Jun	None	None	G3G4	S2	1B.2		1980-01-01	 © 2010 Larry Sward
Astragalus hornii var. *hornii*	Horn's milk-vetch	Fabaceae	annual herb	May-Oct	None	None	GUT1	S1	1B.1		2006-12-01	No Photo Available
Astragalus pycnostachyus var. *lanosissimus*	Ventura Marsh milk-vetch	Fabaceae	perennial herb	(Jun)Aug-Oct	FE	CE	G2T1	S1	1B.1	Yes	1974-01-01	No Photo Available
Astragalus tener var. *titi*	coastal dunes milk-vetch	Fabaceae	annual herb	Mar-May	FE	CE	G2T1	S1	1B.1	Yes	1974-01-01	No Photo Available
Atriplex coulteri	Coulter's saltbush	Chenopodiaceae	perennial herb	Mar-Oct	None	None	G3	S1S2	1B.2		1994-01-01	No Photo Available
Atriplex pacifica	south coast saltscale	Chenopodiaceae	annual herb	Mar-Oct	None	None	G4	S2	1B.2		1994-01-01	No Photo Available
Atriplex parishii	Parish's brittlescale	Chenopodiaceae	annual herb	Jun-Oct	None	None	G1G2	S1	1B.1		1988-01-01	No Photo Available
Atriplex serenana var. *davidsonii*	Davidson's saltscale	Chenopodiaceae	annual herb	Apr-Oct	None	None	G5T1	S1	1B.2		1994-01-01	No Photo Available
Calochortus catalinae	Catalina mariposa lily	Liliaceae	perennial bulbiferous herb	(Feb)Mar-Jun	None	None	G3G4	S3S4	4.2	Yes	1974-01-01	No Photo Available
Calochortus plummerae	Plummer's mariposa-lily	Liliaceae	perennial bulbiferous herb	May-Jul	None	None	G4	S4	4.2	Yes	1994-01-01	No Photo Available

Calochortus weedii var. *intermedius*	intermediate mariposa-lily	Liliaceae	perennial bulbiferous herb	May-Jul	None	None	G3G4T3	S3	1B.2	Yes	1994-01-01	No Photo Available
Calystegia felix	lucky morning-glory	Convolvulaceae	annual rhizomatous herb	Mar-Sep	None	None	G1Q	S1	1B.1	Yes	2014-07-16	No Photo Available
Calystegia peirsonii	Peirson's morning-glory	Convolvulaceae	perennial rhizomatous herb	Apr-Jun	None	None	G4	S4	4.2	Yes	1974-01-01	No Photo Available
Camissoniopsis lewisii	Lewis' evening-primrose	Onagraceae	annual herb	Mar-May(Jun)	None	None	G4	S4	3		1994-01-01	No Photo Available
Centromadia parryi ssp. *australis*	southern tarplant	Asteraceae	annual herb	May-Nov	None	None	G3T2	S2	1B.1		1994-01-01	No Photo Available
Centromadia pungens ssp. *laevis*	smooth tarplant	Asteraceae	annual herb	Apr-Sep	None	None	G3G4T2	S2	1B.1	Yes	1994-01-01	No Photo Available
Chloropyron maritimum ssp. *maritimum*	salt marsh bird's-beak	Orobanchaceae	annual herb (hemiparasitic)	May-Oct(Nov)	FE	CE	G4?T1	S1	1B.2		1974-01-01	No Photo Available
Cistanthe maritima	seaside cistanthe	Montiaceae	annual herb	(Feb)Mar-Jun(Aug)	None	None	G3G4	S3	4.2		1980-01-01	No Photo Available
Convolvulus simulans	small-flowered morning-glory	Convolvulaceae	annual herb	Mar-Jul	None	None	G4	S4	4.2		1994-01-01	No Photo Available
Crossosoma californicum	Catalina crossosoma	Crossosomataceae	perennial deciduous shrub	Feb-May	None	None	G3	S3	1B.2		1980-01-01	No Photo Available
Dudleya multicaulis	many-stemmed dudleya	Crassulaceae	perennial herb	Apr-Jul	None	None	G2	S2	1B.2	Yes	1974-01-01	No Photo Available
Dudleya virens ssp. *insularis*	island green dudleya	Crassulaceae	perennial herb	Apr-Jun	None	None	G3?T3	S3	1B.2	Yes	2001-01-01	No Photo Available
Eryngium aristulatum var. *parishii*	San Diego button-celery	Apiaceae	annual/perennial herb	Apr-Jun	FE	CE	G5T1	S1	1B.1		1974-01-01	No Photo Available
Erysimum suffrutescens	suffrutescent wallflower	Brassicaceae	perennial herb	Jan-Jul(Aug)	None	None	G3	S3	4.2	Yes	1980-01-01	No Photo Available
Helianthus nuttallii ssp. *parishii*	Los Angeles sunflower	Asteraceae	perennial rhizomatous herb	Aug-Oct	None	None	G5TX	SX	1A	Yes	1974-01-01	No Photo Available
Hordeum intercedens	vernal barley	Poaceae	annual herb	Mar-Jun	None	None	G3G4	S3S4	3.2		1994-01-01	No Photo Available

Isocoma menziesii var. *decumbens*	decumbent goldenbush	Asteraceae	perennial shrub	Apr-Nov	None	None	G3G5T2T3	S2	1B.2		1994-01-01	No Photo Available
Juglans californica	Southern California black walnut	Juglandaceae	perennial deciduous tree	Mar-Aug	None	None	G4	S4	4.2	Yes	1994-01-01	 © 2020 Zoya Akulova
Juncus acutus ssp. *leopoldii*	southwestern spiny rush	Juncaceae	perennial rhizomatous herb	(Mar)May-Jun	None	None	G5T5	S4	4.2		1988-01-01	 © 2019 Belinda Lo
Lasthenia glabrata ssp. *coulteri*	Coulter's goldfields	Asteraceae	annual herb	Feb-Jun	None	None	G4T2	S2	1B.1		1994-01-01	 © 2013 Keir Morse
Lycium brevipes var. *hassei*	Santa Catalina Island desert-thorn	Solanaceae	perennial deciduous shrub	Jun(Aug)	None	None	G5T1Q	S1	3.1	Yes	1974-01-01	No Photo Available
Lycium californicum	California box-thorn	Solanaceae	perennial shrub	Mar-Aug(Dec)	None	None	G4	S4	4.2		2001-01-01	No Photo Available
Nama stenocarpa	mud nama	Namaceae	annual/perennial herb	Jan-Jul	None	None	G4G5	S1S2	2B.2		1994-01-01	No Photo Available
Nasturtium gambelii	Gambel's water cress	Brassicaceae	perennial rhizomatous herb	Apr-Oct	FE	CT	G1	S1	1B.1		1980-01-01	No Photo Available
Navarretia fossalis	spreading navarretia	Polemoniaceae	annual herb	Apr-Jun	FT	None	G2	S2	1B.1		1980-01-01	No Photo Available
Navarretia prostrata	prostrate vernal pool navarretia	Polemoniaceae	annual herb	Apr-Jul	None	None	G2	S2	1B.2	Yes	2001-01-01	No Photo Available
Nemacaulis denudata var. *denudata*	coast woolly-heads	Polygonaceae	annual herb	Apr-Sep	None	None	G3G4T2	S2	1B.2		1994-01-01	No Photo Available
Orcuttia californica	California Orcutt grass	Poaceae	annual herb	Apr-Aug	FE	CE	G1	S1	1B.1		1974-01-01	No Photo Available
Pentachaeta lyonii	Lyon's pentachaeta	Asteraceae	annual herb	(Feb)Mar-Aug	FE	CE	G1	S1	1B.1	Yes	1974-01-01	No Photo Available
Phacelia stellaris	Brand's star phacelia	Hydrophyllaceae	annual herb	Mar-Jun	None	None	G1	S1	1B.1		1994-01-01	No Photo Available

Sagittaria sanfordii	Sanford's arrowhead	Alismataceae	perennial rhizomatous herb (emergent)	May-Oct(Nov)	None	None	G3	S3	1B.2	Yes	1984-01-01	 ©2013 Debra L. Cook
Sidalcea neomexicana	salt spring checkerbloom	Malvaceae	perennial herb	Mar-Jun	None	None	G4	S2	2B.2		1994-01-01	No Photo Available
Suaeda esteroa	estuary seablite	Chenopodiaceae	perennial herb	(Jan-May)Jul-Oct	None	None	G3	S2	1B.2		1984-01-01	No Photo Available
Suaeda taxifolia	woolly seablite	Chenopodiaceae	perennial evergreen shrub	Jan-Dec	None	None	G4	S4	4.2		1994-01-01	No Photo Available
Symphyotrichum defoliatum	San Bernardino aster	Asteraceae	perennial rhizomatous herb	Jul-Nov	None	None	G2	S2	1B.2	Yes	2004-01-01	No Photo Available

Showing 1 to 46 of 46 entries

Suggested Citation:
California Native Plant Society, Rare Plant Program. 2023. Rare Plant Inventory (online edition, v9.5). Website https://www.rareplants.cnps.org [accessed 17 October 2023].

Appendix D

Cultural Resources Assessment Report (Confidential – Not for Public Distribution)

Appendix E
Geotechnical Investigation

December 22, 2022

Avocet Energy Storage LLC
C/O Upstream Energy Services, LLC
7650 Girard Ave, Suite 300
La Jolla, CA 92037

Attn: Mr. Max Margolin

Geotechnical Consultation
CEQA Geotechnical Input
Proposed Battery Energy Storage Project
Carson, California
For Avocet Energy Storage LLC

Dear Mr. Margolin:

This letter report provides our geotechnical input for the above referenced project for Avocet Energy Storage LLC (Avocet) related to a property located at 23320 Alameda Street in Carson, California. We understand that Avocet is planning to use the above referenced site for battery storage units and is in the process of getting a CEQA approval for the project. As outlined in our proposal dated November 15, 2022, the purpose of our services was to provide geotechnical input for the CEQA application being prepared by Avocet for the project. Specifically, our input is intended to address Section VI, items a through d, of CEQA Appendix G. As discussed with Mr. Max Margolin of Upstream Energy, the input provided herein represents our professional opinions based on our knowledge and experience on past projects in the vicinity of the subject site; no site-specific investigations were performed in preparing this letter. A brief summary of each issue, its possible impact on the project from a CEQA perspective, and typical alternative(s) available to address the impact identified are provided below.

ITEM a) SEISMIC HAZARDS

The subject site is located within a seismically active area in Southern California and is exposed to some seismic hazards. The following sections address the exposure to seismic hazards, and whether the project would expose people to potential substantial adverse effects, including the risk of loss, injury, or death related to such hazards.

1536 W. 25th Street #320 • San Pedro, CA 90732
Tel (310) 377-4234 • Fax (310) 377-4278

i. FAULT RUPTURE

The Alquist-Priolo Earthquake Fault Zoning Act requires the state geologist to delineate earthquake fault zones along faults that are "sufficiently active" and "well defined." The act requires that cities and counties withhold development permits for a site in an earthquake fault zone until geologic investigations demonstrate that the site is not threatened by surface displacements from future faulting. An active fault is one showing expression of surface rupture within the last 11,000 years. Pursuant to this act, structures for human occupancy are not allowed within 50 feet of the trace of an active fault.

The project site is not located within a currently designated State of California Earthquake Fault Zone (Alquist-Priolo Special Studies Zones) for surface fault rupture. No surface faults are known to project through or toward the project site. Therefore, based on current knowledge and data base, this hazard is not expected to adversely affect the project, and no specific measures or actions are required by the State per the Alquist-Priolo Earthquake Fault Zoning Act. Appropriate seismic design requirements per all applicable codes shall be complied with in design and construction of the project.

ii. STRONG SEISMIC GROUND SHAKING

The Seismic Hazard Mapping Act (SHMA) was adopted by the State of California in 1990 to protect the public from the effects of non-surface fault rupture earthquake hazards, including strong ground shaking. The goal of the act is to minimize loss of life and property by identifying and mitigating seismic hazards. The California Geological Survey prepares seismic hazard zone maps and provides them to local governments; these maps identify areas susceptible to amplified shaking, liquefaction, earthquake-induced landslides, and other ground failures. SHMA requires responsible agencies to only approve projects within seismic hazard zones following a site- specific investigation to determine if the hazard is present, and if so, the inclusion of appropriate mitigation(s).

The subject site is located within a seismically active area and strong ground shaking is expected during the design life of the project. However, the site would experience a level of exposure that would not be significantly greater than the existing levels of exposure in in other parts of Southern California. Appropriate seismic design requirements per all applicable codes shall be complied with in design and construction of the project to address this hazard. With such compliance, this hazard is expected to have less than significant impact on the project.

iii. SEISMIC RELATED GROUND FAILURE

The Seismic Hazard Mapping Act (SHMA) was adopted by the State of California in 1990 to protect the public from the effects of non-surface fault rupture earthquake hazards, including liquefaction, seismically induced landslides, or other ground failure caused by earthquakes. The goal of the act is to minimize loss of life and property by identifying and mitigating seismic hazards. The California Geological Survey prepares seismic hazard zone maps and provides them to local governments; these maps identify areas susceptible to amplified shaking, liquefaction, earthquake-induced landslides, and other ground failures. SHMA requires responsible agencies to only approve projects within seismic hazard zones following a site- specific investigation to determine if the hazard is present, and if so, the inclusion of appropriate mitigation(s).

The project site is located immediately adjacent to the Dominguez Channel, which used to be a tributary of the Los Angeles River. The subsurface soils include loose granular soils and weak clayey soils related to recent alluvial deposits. Based on a review of maps published by the State, the historically high ground water level at the site is expected to be roughly 20 feet below existing grade. The site is also located within the Liquefaction Hazard Zone map published by the State for the Long Beach Quadrangle. Given the strong ground shaking hazard described above, during the design life of the project, the site area will be subject to liquefaction and related ground failures including lateral spreading and ground settlement and deformations.

Liquefaction can result in loss of strength of the weaker saturated materials and bearing capacity of foundations. Existing slopes for the Dominguez Channel will also be subject to failures due to liquefaction and related lateral spreading. Seismically induced lateral spreading involves lateral movement as well as settlement of earth materials due to ground shaking induced liquefaction. Given the site conditions, under design seismic conditions, lateral spreading can result in large lateral movements and settlement (on the order of several feet) at the project site although such movements are expected to attenuate with distance from the existing channel slopes. This may be considered a significant hazard for the project especially in areas close to the channel.

It is our understanding that the proposed facilities for the project can be designed to withstand large ground movements without loss of function, and without any failure or resulting public hazard. The loss of bearing capacity of foundations resulting from liquefaction is expected to be relatively minor for shallow foundations due to a buffer created by the roughly 20 feet of non-liquefiable soils above the ground water. Therefore, it is our opinion that this hazard may have a less than significant impact on the project if it is addressed adequately in design and development of the project, and any required design measures are implemented. The design measures may include soil improvement, use of

large combined mat foundations, flexible utility connections, strategic placement of facilities within the site area, etc. Appropriate seismic design requirements per all applicable codes shall be complied with in design and construction of the project to address this hazard.

iv. LANDSLIDES

The Seismic Hazard Mapping Act (SHMA) adopted by the State of California in 1990 also publishes maps of seismically-induced landslide hazard zones. The goal of the act is to minimize loss of life and property by identifying and mitigating seismic hazards. The hazard zone map published by the State for the Long Beach Quadrangle does not show any seismically-induced landslide hazard zone in the site area. This is consistent with the generally flat topography and the lack of high/steep slopes in the site area. Therefore, this hazard is not expected to adversely affect the project and does not require specific mitigation measures.

ITEM b) SOIL EROSION

Soil erosion can occur in areas with exposed soils and flowing water. The Los Angeles County Building Code contains rules and regulations that govern activities that could result in soil erosion or slope instability. These rules and regulations are in the County Grading Code Ordinance and Regulations, where provisions for excavation, grading, and earthwork construction have been established, permitting procedures are set forth, and plan approval and grading inspection protocols and procedures have been identified. This also contains provisions for construction-related erosion control, including the preparation of cut-and-fill slopes and the implementation of erosion control measures such as check dams, cribbing, riprap, or other devices or methods.

Large portions of the site are already covered with hardscaping or slabs/paving. The slopes along the Dominguez channel are maintained by the County to minimize erosion. Construction activities planned for the project can disturb and expose large amounts of soils susceptible to erosion impact. However, reduction of the erosion potential can be accomplished through compliance with RR HYD-1 requiring a Storm Water Pollution Prevention Plan (SWPPP), which specifies best management practices for temporary erosion controls.

Per the statewide Construction General Permit, Order No. 2012-0006-DWQ, issued by the State Water Resources Control Board, construction projects of one acre or more are required to develop and implement a SWPPP. The SWPPP should estimate sediment risk from construction activities to receiving waters and specify best management practices (BMPs) that would be used by the project to minimize pollution of stormwater.

Implementation of RR HYD-1 would prevent construction activities associated with the proposed project from resulting in significant adverse impacts associated with substantial soil erosion and/or loss of topsoil.

ITEM c) UNSTABLE GEOLOGIC OR SOIL UNIT

The site is underlain by alluvial soils and the site topography is essentially flat except for the adjacent Dominguez Channel. Based on current knowledge and data base, naturally unstable or landslide prone geologic units or conditions, or units that would become unstable as a result of the project, are not known to be present at the site. (Liquefaction, lateral spreading and related hazards are addressed above separately.) This hazard is not expected to adversely affect the project.

ITEM d) EXPANSIVE SOILS

Expansive soils, as defined in Table 18-1B of the Uniform building Code (1994), contain substantial amounts of clay that exhibit significant volume changes with changes in moisture content. These volume changes result in swelling or shrinking of the soils, and cause damage to structures built on such soils. The moisture content changes can result from changes in weather and influx of water into the soils from external sources such as landscape irrigation or a leaky utility.

The subsurface soils at the site include clayey soils that can be expansive under certain conditions. However, such conditions are routinely addressed by designing and constructing the facilities in accordance with the related requirements in applicable codes. The design measures may include soil improvement and/or stabilization, use of large mat foundations, flexible connections, etc. With such compliance and design measures, this hazard is expected to have less than significant impact on the project.

oOo

If you have any questions regarding this report, or need any additional information, please contact the undersigned.

Very Truly Yours,
Globus Engineering, Inc.

Uday K. Patil, P.E., G.E.
Principal



Appendix F

Paleontological Resources Assessment Report (Confidential – Not for Public Distribution)

Appendix G

Phase I Environmental Site Assessment

G1 Phase I Environmental Site Assessment (Project Site)

PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT

23320 Alameda Street
Carson, California 90810

PREPARED FOR:

Tenaska, Inc.
14302 FNB Parkway
Omaha, NE 68154

Project Number: TNSK-21-10392

Date: September 30, 2021

Alta Environmental DBA NV5
3777 Long Beach Boulevard Annex Building
Long Beach CA 90807 United States of America
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Toll-free (US only) 800 777-0605 www.altaenviron.com

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EXECUTIVE SUMMARY

Alta Environmental LP, DBA NV5 (NV5) has completed a Phase I Environmental Site Assessment (ESA) of the property located at 23320 South Alameda Street in Carson, California. The ESA was performed in conformance with the scope and limitations of ASTM E1527-13 standards. Any exceptions to, or deletions from, this practice are described in Section 1.0 of this report. The assessment was performed to identify conditions indicative of releases and threatened releases of hazardous substances and petroleum products on, at, in, or adjacent to the Site. If identified, these issues are considered recognized environmental conditions (RECs).

Site and Vicinity Description

The Site is located at 23320 Alameda Street in Carson, Los Angeles County, California. The Site consists of one parcel of land that is approximately 6.96-acres in size. The Site can be identified by Los Angeles County Tax Assessor's Parcel Number (APN) 7315-020-022.

At the time of our Site reconnaissance, the Site was developed with a single-story building and a small shed utilized for equipment storage occupied by Lovco Recycle Site, a concrete and asphalt recycling facility. The remainder of the Site is utilized for concrete and asphalt crushing, shipping, and receiving activities.

The Site is located within an area primarily comprised of industrial use. Current uses of adjoining properties include Air Products (hydrogen plant) to the north, the Union Pacific Railroad to the west, Marathon (coke storage facility) to the south, and the Dominguez Channel to the east. The former ARCO refinery, now known as the Marathon Los Angeles Refinery, is located to the west of the Site, across the Union Pacific Railroad.

Site Use and History

The Site was vacant and undeveloped as early as 1896 to as late as 1963. Around 1964, the Site was partially developed with several structures associated with hydrogen gas plant operations being conducted on the northern adjoining property. The hydrogen plant operated until the 1990's and was subsequently closed and structures demolished. As part of the hydrogen plant closure, the present-day Site parcel was subdivided from the northern adjoining property parcel and structures on the Site were demolished with the exception of the present-day Site building. The Site was redeveloped for use as a concrete recycling facility.

Data Gaps

The ASTM Standard defines a data gap as "a lack of or inability to obtain information required by the practice despite good faith efforts by the environmental professional to gather such information." A data gap is only significant if other information obtained during the ESA, or professional experience, raises reasonable concerns and affects the ability of the environmental professional to identify whether a given issue is a REC. The ASTM Standard requires that the ESA report identify and comment on significant data gaps. No data gaps were identified by NV5 during this assessment.

Vapor Encroachment Conditions (VEC)

A Tier 1 vapor encroachment screen (VES) for potential chemicals of concern (COC) was completed for the Site. The assessment was based on the ASTM published Standard Guide E 2600-15. The purpose of the VES was to evaluate the potential for a vapor encroachment condition (VEC), which is the presence or likely presence of COC vapors in subsurface soils at the Site caused by the release of vapors from contaminated soil or groundwater on or near the Site. The results of the VES identified evidence of two potential VECs in connection with the Site.

- Based on the documented extent of Light Non-Aqueous Phase Liquid (LNAPL) contamination to groundwater and the proximity of the facility to the Site, the nearby ARCO Refinery, is considered to represent a VEC.

- Based on the previous documented releases, the former hydrogen plant is considered to represent a VEC.

Conclusions

No evidence of Controlled-RECs (CRECs) was identified during this assessment.

The following evidence of RECs, Historical-RECs (HRECs), and VECs were identified:

- According to title documentation reviewed during this assessment, an environmental deed restriction has been placed on the Site due to the potential presence of hazardous substances at, on, or underneath the Site. The deed restriction places several restrictions on the property related to future development, use, and groundwater. Based on the nature of the deed restriction, it is considered to represent evidence of a REC.

- The northern adjoining property, and portions of the Site, were previously developed with a hydrogen gas plant between the early 1960's to the late 1990's. Releases of petroleum hydrocarbons and VOCs from former USTs and hydrogen production operations at the facility along with evidence of potential off-site hydrocarbon releases and regional groundwater impact were reported at both the portion of the hydrogen production facility located on the northern adjoining property, and at the portion of the facility located at the Site (primarily from surficial spills near a waste oil UST located on the eastern portion of the Site). These releases were subsequently remediated and granted case closure/no further action status. Additionally, during subsequent redevelopment 1,200 cubic yards of petroleum and lead impacted soils were excavated and removed from the northern adjoining property. Due to the elevated concentrations of soluble lead, the soils were classified as a California designated hazardous waste. Based on the completion of remediation and issuance of a regulatory closure letter, the past releases at this facility are considered to represent a HREC and VEC.

- The Marathon Los Angeles Refinery facility is located approximately 500 feet west of the Site. Previous site investigations conducted identified evidence of multiple releases of petroleum hydrocarbons and associated VOCs at this facility. Site investigations and remediation for LNAPL is currently ongoing and the lateral and vertical extent of LNAPL contamination is still being assessed. NV5 reviewed groundwater data published on the Geotracker database for multiple current cleanup program facilities located near the Site. Based on a review of published groundwater monitoring data, the shallowest groundwater is reported to be present at depths ranging from approximately 10 to 80 feet below ground surface (bgs) and flow towards the west-northwest, away from the Site. Nevertheless, based on the documented extent of LNAPL contamination to groundwater, distance of the facility with respect to the Site, and the inherent environmental risk associated with oil refining operations, the Marathon Los Angeles Refinery is considered to represent a REC and a VEC.

Recommendations

The client should consult with legal counsel regarding the requirements, responsibilities, and limitations of the property due to the environmental deed restriction.

Minor staining was observed beneath equipment within the onsite building and beneath the onsite AST. While not considered a REC, the client may wish to consider conducting a limited soil assessment or removal of stained soil for further assurance that petroleum impacted soils are not present at the Site at levels that would require specialized handling and/or disposal during future site development.

Additionally, past assessment activities at the northern adjoining property and Site have identified the presence of soluble lead and/or petroleum hydrocarbons in the shallow soils. The elevated concentrations of soluble lead required the excavated soils to be handled and disposed of as California designated hazardous waste. The client may wish to consider conducting shallow soil sampling (to the depth of proposed soil excavation/earth moving activities) to assess if soils that will be disturbed during development or construction contain elevated concentrations of hydrocarbons or lead that would require special handling and/or disposal. Note that below-ground excavation work may require workers to be OSHA HAZWOPER-trained and certified to work with hazardous conditions that may be encountered.

NV5 understands that future Site development will not include construction of occupied structures. This eliminates the potential exposure pathway to future site occupants associated with potential vapor intrusion from VOC impacted groundwater beneath the Site. If future development plans change to include the construction of habitable structures, the client may consider additional assessment or mitigation of potential vapor intrusion.

1 INTRODUCTION

Alta Environmental LP, DBA NV5 (NV5) has completed a Phase I Environmental Site Assessment (ESA) of the property located 23320 Alameda Street in Carson, California (Site). The purpose of this assessment was to evaluate the environmental condition of the Site and to satisfy one of the requirements for qualification under the innocent landowner, contiguous property owner, or bona fide prospective purchaser defenses under the federal Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). ASTM Standard Practice E1527-13 and the EPA Standards and Practices for All Appropriate Inquiries (40 CFR Part 312) constitute the "all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice" as defined in:

1. 42 U.S.C § 9601(35)(B), referenced in the ASTM Standard Practice E1527-13;
2. Sections 101(35)(B) (ii) and (iii) of CERCLA and referenced in the EPA Standards and Practices for All Appropriate Inquiries (40 CFR Part 312); and
3. 42 U.S.C. 9601(40) and 42 U.S.C. 9607(q).

This report was prepared exclusively for use by Tenaska, Inc. (Client). This report may not be relied upon by any other person or entity without NV5's express written permission. The information, conclusions and recommendations described in this report apply to conditions existing at certain locations when services were performed and are intended only for the specific purposes, locations, time frames and project parameters indicated. NV5 cannot be responsible for the impact of any changes in environmental standards, practices, or regulations after performance of services.

1.1 Objectives

NV5's objective for this environmental assessment was to identify conditions indicative of releases and threatened releases of hazardous substances and petroleum products on, at, in, or to the Site. The assessment was conducted to meet the standards of ASTM Standard Practice E1527-13.

The conclusions and recommendations provided herein are based on the following:

1. Current and past Site uses and occupancies;
2. Current and past uses of hazardous substances;
3. Waste management and disposal activities that could have caused releases or threatened releases of hazardous substances;
4. Current and past corrective actions and response activities undertaken to address past and on-going releases of hazardous substances;
5. Engineering controls;
6. Institutional controls; and
7. Evaluation of properties adjoining or located nearby the Site that have environmental conditions that could have resulted in conditions indicative of releases or threatened releases of hazardous substances to the Site.

1.2 Services

NV5 performed the following services to assess the Site:

1. Reviewed historical sources of information;
2. Searched for recorded environmental clean-up liens;
3. Reviewed Federal, State, Tribal, and local government records;
4. Visually inspected the Site and the adjoining properties;

5. Evaluated any specialized knowledge or experience on the part of the purchaser; and
6. Determined commonly known or reasonably ascertainable information about the Site.

1.3 Assumptions

NV5 has assumed the following for the purposes of this assessment:

1. Information provided during any interview (written or oral) was accurate and correct;
2. Database information reviewed was accurate and correct;
3. Historical information reviewed was accurate and correct;
4. Information reviewed at any governmental agency was accurate and correct;
5. Groundwater flow and depth to groundwater, unless otherwise specified by on-site well data, or well data from adjacent sites are assumed based on contours depicted on the United States Geological Survey (USGS) Topographic Maps; and
6. The Site has been correctly and accurately identified by the client, client representatives, Site contact, Site owner, and/or Site representatives.

1.4 Limitations

This assessment is limited to the standards set forth in ASTM Standard Practice E1527-13. This assessment specifically excludes assessment of the following:

1. Asbestos and asbestos-containing building materials;
2. Biological agents;
3. Cultural and historic resources;
4. Ecological resources;
5. Endangered species;
6. Health and safety;
7. Indoor air quality unrelated to releases of hazardous substances or petroleum products into the environment;
8. Industrial hygiene;
9. Lead-Based Paint;
10. Lead in Drinking Water;
11. Mold;
12. Radon;
13. Regulatory compliance; and
14. Wetlands.

Please note that considerations identified by ASTM as beyond the scope of a Phase I Environmental Site Assessment (ESA) may still affect business environmental risk at a given property. These environmental issues or conditions may warrant assessment based on the type of property transaction; however, they are considered non-scope issues under ASTM Standard Practice E1527-13 and not included in this assessment.

The conclusions and findings set forth in this report are strictly limited in time and scope to the date of the evaluation. The conclusions presented in this report are based solely on the services described herein, and not on scientific tasks or procedures beyond the scope of agreed-upon services or the time and budgeting restraints imposed by the Client. No subsurface exploratory drilling or sampling of any kind was conducted under the scope of this work. Unless specifically stated otherwise in the report, no chemical or physical analyses have been performed during the performance of this Phase I ESA.

Some of the information provided in this report is based upon personal interviews, and research of available documents, records, and maps held by the appropriate government and private agencies. This information is subject to the limitations of historical documentation, availability, and accuracy of pertinent records and the personal recollections of those persons contacted. As applicable, NV5 has relied in good faith upon representations and information furnished by individuals with respect to operations and existing property conditions, to the extent that they have not been contradicted by data obtained from other sources. Accordingly, NV5 accepts no responsibility for any deficiencies, omissions, misrepresentations, or fraudulent acts of persons interviewed.

Property conditions, as well as local, state, tribal, and federal regulations can change significantly over time. Therefore, the recommendations and conclusions presented in this study apply strictly to the environmental regulations and property conditions existing at the time the study was performed. Available information has been analyzed using currently accepted assessment techniques and it is believed that the inferences made are reasonably representative of the Site. NV5 makes no warranty, express or implied, except that the services have been performed in accordance with generally accepted environmental property assessment practices applicable at the time and location of the study.

This Phase I ESA is not, and should not be construed as, a warranty or guarantee about the presence or absence of hazardous substances or petroleum products that may affect the Site. The assessment is not intended to assure clear title to the Site in question. The sole purpose of investigation into Site title records is to ascertain an historical basis of prior land use and environmental liens. All findings, conclusions, and recommendations stated in this report are based upon facts, circumstances, and industry-accepted procedures for such services as they existed at the time this report was prepared (i.e., federal, state, and local laws, rules, regulations, market conditions, economic conditions, political climate, and other applicable matters). All findings, conclusions, and recommendations stated in this report are based on the data and information provided, and observations and conditions that existed on the date and time of the Site visit. Responses received from local, state, or federal agencies or other secondary sources of information after the issuance of this report may change certain facts, findings, conclusions, or circumstances to the report. A change in any fact, circumstance, or industry-accepted procedure upon which this report was based may adversely affect the findings, conclusions, and recommendations expressed in this report.

1.5 Terms

The following terms are used in this report:

- “Site” refers to the property within the approximate boundaries described in Section 2;
- “Adjoining property” refers to properties adjacent to the Site that share a common boundary with the Site; and
- “Site vicinity” refers to the area within an approximate 1-mile radius of the Site.
- “Recognized Environmental Conditions” (RECs) – The presence or likely presence of any *hazardous substances* or *petroleum products in, on, at or to the* Site: (*1*) due to release to the environment; (*2*) under conditions indicative of a *release* to the *environment*; or (*3*) under conditions that pose a *material threat* of a future *release* to the *environment*. *De minimis conditions* are not *recognized environmental conditions*.
- “Controlled Recognized Environmental Condition” (CREC) – A recognized environmental condition resulting from a past *release* of *hazardous substances* or *petroleum products* that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria

established by regulatory authority), with *hazardous substances* or *petroleum products* allowed to remain in place subject to the implementation of required controls (for example, *property use restrictions*, *activity and use limitations*, *institutional controls*, or *engineering controls*). A condition identified as a *controlled recognized environmental condition* does not imply that the *environmental professional* has evaluated or confirmed the adequacy, implementation, or continued effectiveness of the required control that has been, or is intended to be, implemented.

- "Historical Recognized Environmental Condition" (HREC) – A past *release* of any *hazardous substances* or *petroleum products* that has occurred in connection with the Site and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the Site to any required controls (for example, Site use restrictions, *activity and use limitations*, *institutional controls*, or *engineering controls*).
- "Migrate/migration" – For the purposes of this practice, "migrate" and "migration" refers to the movement of *hazardous substances* or *petroleum products* in any form, including, for example, solid and liquid at the surface or subsurface, and vapor in the subsurface.
- "Hazardous Substances" – The term "hazardous substance" is used here in general accordance with its use as defined in the following regulations:

  -- Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of 1980, as amended; and

  -- Superfund Amendment and Reauthorization Act (SARA) of 1986, as amended.

The words "impact" or "impacted" are used to mean the effect or result of a release of a hazardous substance or petroleum product at the Site. Search distances for government agency lists were those designated by the ASTM Standard E 1527-13.

1.6 Environmental Professionals

This document has been prepared by an Environmental Professional as defined by the EPA, 40 CFR Part 312.10. All work performed for this assessment was performed by or under the direct supervision of an Environmental Professional.

2 SITE DESCRIPTION

Ms. Bina Patel, of NV5, conducted a Site reconnaissance on August 26, 2021. The descriptions provided herein are based on information provided by the current Site representatives and on observations made during that visit. Representative Site photographs are included in Appendix A. Site Location and Site Layout maps depicting the areas and features described in the following sections are also provided in Figures 1 and 2.

2.1 Site Location and Use

2.1.1 Location and Description

The Site is located at 23320 Alameda Street in Carson, Los Angeles County, California. The Site consists of one parcel of land that is approximately 6.96-acres in size. The Site can be identified by Los Angeles County Tax Assessor's Parcel Number 7315-020-022.

2.1.2 Development and Current Use

At the time of our Site reconnaissance, the Site was developed with a single-story building and a small shed utilized for equipment storage occupied by Lovco Recycle Site, a concrete and asphalt recycling

facility. The remainder of the Site is utilized for concrete and asphalt crushing, shipping, and receiving activities.

2.2 Utility Service Providers

Active utilities observed or reported at the Site are:

Electricity	Southern California Edison
Water	Los Angeles Department of Water and Power
Gas	Southern California Gas Company
Solid Waste	Waste Resources

No water wells were observed or reported to be present at the Site during the Site reconnaissance.

2.3 Chemical and Petroleum Storage Areas

Various 5-gallon containers of motor oil and hydraulic oil, and smaller containers of household cleaners, resin, and fuel were observed within the onsite building and in the work area east of the building. No evidence of leaks, spills, or staining was observed in the vicinity of the containers and their presence is not considered to represent a REC.

2.3.1 Drums

No drum storage areas were observed at the Site.

2.4 Storage Tanks

2.4.1 Aboveground Storage Tanks (ASTs)

A 1,000-gallon diesel AST was observed on the western portion of the Site located between the onsite building and the guard shack. The AST was reported to be used for refueling loaders and excavator equipment onsite. Minimal soil staining was observed on the southern side of the AST.

2.4.2 Underground Storage Tanks (USTs)

No evidence of USTs at the Site was observed or reported during the Site reconnaissance.

2.4.3 Septic Tanks

No septic tanks were observed or reported to be present at the Site during the Site reconnaissance.

2.5 Polychlorinated Biphenyls

One pad-mounted transformer was observed on the southwestern portion of the Site located between the onsite building and southern property boundary. The transformer appeared to be in good condition with no visible evidence of past leaks or releases.

2.6 Floor Drains, Sumps, and Clarifiers

No evidence of floor drains, sumps or clarifiers was observed or reported at the Site during the reconnaissance.

2.7 Back-up Power Generation

No fixed back-up power generators were observed or reported to be on the Site.

2.8 Cooling Towers

No cooling towers were observed or reported to be on the Site.

2.9 Elevators, Lifts and Compactors

No elevators, lifts, or compactors were observed or reported to be on the Site.

2.10 Odors

No strong, pungent, or noxious odors indicative of a past release of hazardous substances or petroleum products were identified during the course of this assessment.

2.11 Pools of Liquid

No standing surface water or other pits, ponds, or lagoons potentially containing hazardous substances or petroleum products were identified within the Site.

2.12 Surface Staining

Minor staining was observed on the southern side of the onsite diesel AST. Significant staining was observed underneath equipment stored within the onsite building.

2.13 Stressed Vegetation

No significantly stressed vegetation or other indications of potential release of hazardous substances or petroleum products were observed during the Site reconnaissance.

2.14 Solid Waste

No evidence of illicit storage or dumping of solid wastes at the Site was observed during the Site reconnaissance.

2.15 Adjacent Properties

The Site is located within an area of heavy industrial use. The following land uses in the near vicinity of the Site were observed:

Direction	Property Name	Property Address	Business Operation
North	Air Products	23300 Alameda Street	Hydrogen plant
East	Dominguez Channel	None	None
South	Marathon	23500 Alameda Street	Coke storage facility
West	Union Pacific Railroad	None	Railroad

3 SITE SETTING

3.1 Topographic

The 2012 United States Geological Survey (USGS), [Long Beach] 7.5 Minute Topographic Quadrangle map of the Site and surrounding vicinity was reviewed. The elevation of the Site is 21 feet above mean sea level. Based on a review of information included in the EDR Radius Report, the Site and surrounding topography is generally flat with a slight slope to the west-southwest (EDR, 20201). A copy of the USGS Topographic Map is included in Appendix B.

3.2 Regional Geology and Hydrology

The following description of regional geology and hydrology was developed based on regional information presented on the EDR GeoCheck report (2021) and Regional Water Quality Control Board's online *Geotracker* database.

According to United States Department of Agriculture (USDA) soil data published in the EDR GeoCheck report, soils underlying the Site are classified as *Urban Land*. Soils of this type are variable and have variable infiltration rates (Appendix B).

NV5 reviewed groundwater data published on the Geotracker database for multiple current cleanup program facilities located near the Site. Based on a review of published groundwater monitoring data, groundwater is reported to be present at depths ranging from approximately 10 to 80 feet below ground surface (bgs) and flow towards the west-northwest. According to environmental investigation reports prepared for the northern adjoining property (See Section 5.2), a perched groundwater zone was observed at a depth of approximately 30 feet bgs, followed by a deeper groundwater zone at depths of 60 to 100 feet bgs.

Flood Plain

According to Federal Emergency Management Agency flood plain data presented in the site-specific Environmental Data Resources (EDR) Geocheck Report, the Site is located within a 500-year but not a 100-year flood zone (EDR, 2021). The EDR Report is presented as Appendix B.

3.3 Wetlands

According to map data published on the United States Department of Fish and Wildlife (USFW) National Wetlands Inventory (https://www.fws.gov/wetlands/data/mapper.html), the Site is not located on a wetland. However, the eastern adjoining property is a Riverine wetland (Dominguez Channel). A screenshot is provided in Appendix C.

3.4 Water Bodies

No water bodies were observed on the Site however the eastern adjoining property, the Dominguez Channel, is a riverine.

3.5 Oil and Gas Wells

According to the State of California, Geologic Energy Management Division (CalGEM) Online Mapping System (DOMS), no oil/gas wells were identified on the Site or adjoining properties (Appendix C).

4 USER-PROVIDED INFORMATION

Information obtained during the interview process is presented in the following sections.

4.1 Title Records

Title records were not provided by the Site user representative. However, the EDR Lien and AUL Search report presented a copy of one deed for the Site, as summarized below.

APN	Title Vested In	Title Received From	Deed Dated
7315-020-022	Tesoro Refining & Marketing Co LLC	BP West Coast Prod LLC Arco	Executed: 6/1/2013 Recorded: 6/3/2013

Appendix D presents the EDR Lien and AUL report.

4.2 Clean-Up Liens

No knowledge of any clean-up liens against the Site was reported by those interviewed. Furthermore, the EDR Environmental Lien and AUL Search report did not identify any environmental liens for the Site (Appendix D).

4.3 Activities and Use Limitations

No knowledge of site-specific activities or use limitations recorded against the Site were reported by those interviewed. However, the EDR Lien and AUL Search report presented a copy of an AUL for the Site. The AUL is identified as a Grant Deed and Environmental Restriction for the Site and multiple other APNs owned by the Tesoro Companies, Inc, including a description of prohibited uses, groundwater restrictions, rules during construction or excavation activities, incorporation into deeds and leases, and notices of the presence of hazardous substances. Appendix D presents the EDR Lien and AUL report.

4.4 Specialized Knowledge

No specialized knowledge identifying evidence of a REC was disclosed by those interviewed during this assessment.

4.5 Commonly Known Information

No commonly known information identifying evidence of a REC was disclosed by those interviewed during this assessment.

4.6 Previous Environmental Assessments

No previous environmental assessment reports for the Site were provided to NV5 for review.

5 RECORDS REVIEW

5.1 Governmental Databases

NV5 contracted EDR to perform a radius search of governmental databases for this project. The distribution of listed sites with respect to the Site is tabulated and mapped in EDR's Radius Map Report, which can be found in Appendix B. The reader is referred to the table, which can be found near the front of EDR's report.

NV5 conducted a review of the above-referenced database reports and provides the following findings based on sites that have the potential to impact the Site, with respect to the inferred southerly groundwater flow direction. Our findings are based on the assumption that a hazardous substance or petroleum product released to the subsurface generally does not migrate laterally within unsaturated soil for a significant distance. Although a hazardous substance or petroleum product can migrate in groundwater in a generally down-gradient direction, there are limitations to this interpretation such as groundwater depth, soil lithology and other subsurface barriers.

5.1.1 Site Database Findings

Facility Name & Address	**Air Products and Chemicals, Inc. 23320 South Alameda St Carson, California 90810**	**Site**
Database(s) Listed: HWTS, HIST UST, HAZNET, SWEEPS UST, EMI, FINDS, CPS-SLIC, LUST, CA FID UST, Los Angeles CO. HMS, CERS, RGA LUST, ENVIROSTOR, HIST CORTESE, CIWQS		
• According to the HWTS and HAZNET databases, the Site disposed of hazardous waste, including laboratory waste chemicals, off-specification, aged or surplus organics, other inorganic solid waste, and waste oil and mixed oil from 1982 to 2000. In addition, in 1994 and 1995, the facility disposed of 0.75 and 4.82 tons, respectively, from a Site cleanup. • According to the HIST UST, SWEEPS UST and CA FID UST databases, a 500-gallon and 10,000-gallon diesel UST, a 6,000-gallon UST with unknown contents, a 2,000-gallon waste oil, and a 3,000-gallon gasoline UST are reported to be present at the Site. • According to the LUST and CPS-SLIC databases, a leaking UST was reported at the Site in 1993. The media affected was reported to be soil with hydrocarbon impacts. Based on the reported information, the Site was granted no further action by the Los Angeles Regional Water Quality Control Board (LARWQCB) and has a Completed – Case Closed status of a September 25, 1997. • According to the CERS database, chemical storage facilities are present at the Site. No violations have been reported. • According to the Envirostor database, a preliminary assessment report was conducted for the Site in 1985 in response to reports of various chemical wastes (hydrocarbon solvents) being dumped into the channel. In 1989, a site screening and reassessment was completed for the Site. The site was then referred to the LARWQCB in 1992. • According to the CIWQS database, an industrial stormwater construction permit was granted to the Site in 1998 and was reported to be terminated in 1999. Based on NV5's review of environmental regulatory file information, these listings seem to be attributed to the operation at the northern adjoining property prior to the separation of the northern adjoining and Site parcels. Based on the regulatory closure/no further action status, these listings are considered to represent an historical recognized environmental condition with respect to the Site.		

Facility Name & Address	**Southern California Edison 23320 South Alameda St Carson, California 90810**	**Site**
Database(s) Listed: HWTS		
• According to the HWTS database, an EPA ID number was created for the Site in April 2013 for electric power distribution. The last activity date listed for the EPA ID number was July 2013. No other information is listed. This listing is not considered to represent a REC.		

Facility Name & Address	**Tesoro Logistics Operations, LLC 23320 South Alameda St Carson, California 90745**	**Site**
Database(s) Listed: HWTS, ECHO, HAZNET, RCRA NONGEN/NLR.		
• According to the HWTS and HAZNET databases, the Site disposed of hazardous waste including organic solids and asbestos containing waste in 2019 from pipeline transportation of crude oil. • According to the RCRA NONGEN database, the Site is not a generator of hazardous wastes as of June 2019.		

Facility Name & Address	**Carson Liquid Hydrogen Plant 23320 South Alameda St Carson, California**	**Site**
Database(s) Listed: WMUDS/SWAT		
• According to the WMUDS/SWAT database, a passive waste treatment and disposal system operated at the Site. The primary waste type was reported as designated/influent or solid waste that pose a significant threat to water quality because of their high concentrations and manageable hazardous wastes. The Site was listed as a moderate threat to water quality based on the primary waste type. The facility was required to submit self-monitoring reports quarterly to the oversight agency (not listed). No other information is listed. Based on NV5's review of environmental regulatory file information, these listings seem to be attributed to the operation at the northern adjoining property prior to the separation of the northern adjoining and Site parcels. This listing is not considered to represent a REC.		

5.1.2 Adjoining Property Database Findings

EDR's report did identify database listings for the adjoining properties, as presented below.

Facility Name & Address	**Air Products and Chemicals, Inc. 23300 S. Alameda St Carson, California 90810**	**Northern Adjoining Property**
Database(s) Listed: RCRA-LQG, AST, HWTS, CERS HAZ WASTE, CERS TANKS, HAZNET, CERS		
This facility is located north of the Site. • According to the RCRA-LQG database, this facility has been large quantity generator of hazardous waste since March 2012. Types of wastes reported to be disposed of are ignitable waste and corrosive waste. No violations were reported.		

Facility Name & Address	**Air Products and Chemicals, Inc. 23300 S. Alameda St Carson, California 90810**	**Northern Adjoining Property**

- According to the HWTS and HAZNET databases, this facility disposed of hazardous waste, including laboratory waste chemicals, off-specification, aged or surplus organics, other inorganic solid waste, and waste oil and mixed oil from 1982 to 2000. In addition, in 1998, the site disposed of approximately 1,761 tons of contaminated soil from site cleanups.
- According to the CERS and CERS HAZ WASTE databases, chemical storage facilities are present at this facility. Violations were reported for the facility in 2017 for failure to complete and electronically submit a site map with all required content, failure to obtain and maintain a written assessment reviewed and certified by an independent, qualified, professional engineer prior to placing the tank system in service, failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities, and failure to revise, update and submit a Risk Management Plan. The facility returned to compliance for all violations in October 2017.
- According to the AST and CERS TANKS databases, an AST is present at the facility.

Based on the lack of evidence of a release, spill, or leak and downgradient nature of the facility with respect to the Site, this listing is not considered to represent a REC.

Facility Name & Address	**Montrose Chemical Corporation 20201 S. Normandie Avenue Torrance, California 90502**	**Eastern Adjoining Property**

Database(s) Listed: NPL, SEMS, RCRA-LQG, US Eng Controls, US Inst Controls, ROD, PRP, ICIS, Consent, FINDS

- The Montrose Chemical Corporation was a former dichlorodiphenyltrichloroethane (DDT) manufacturing plant located approximately five miles northwest of the Site. It was discovered that the DDT manufacturing work conducted at the facility had severely contaminated soil and groundwater beneath and nearby the former plant property. In 1989, the facility was listed as an EPA Superfund site. The major transport mechanisms identified were reported as storm water runoff and aerial emissions. Contamination is reported to have flowed off the facility, into the Kenwood Stormwater Drainage Pathway and subsequently into the Dominguez Channel, which is the eastern adjoining property of the subject Site.

The contamination is a well-known regional issue which in the vicinity of the Site primarily consists of impacted sediment, and therefore is not likely to impact the Site.

5.1.3 General Vicinity Database Findings

EDR's report identified multiple off-Site facilities within applicable ASTM search radii. NV5 considered all of the listed sites unlikely to impact the Site, based upon factors including (but not limited to):

- The nature of the listing;
- The use of the site;
- When the site was listed and its current listed status;
- The developmental density of the setting;
- The distance between the listed sites and the Site as related to the distance that releases are likely to migrate based on local surface and subsurface drainage conditions;
- The presence of intervening drainage divides; and/or
- The inferred groundwater movement.

Facility Name & Address	**ARCO (Marathon Carson) Refinery 1801 Sepulveda Carson, California 90810**	**500 Feet West**
Database(s) Listed: CPS-SLIC		
This facility is located approximately 500 feet west of the Site, across the western adjoining Union Pacific Railroad. According to the CPS-SLIC database, the facility is currently undergoing remediation of total petroleum hydrocarbons in groundwater. According to documents available on Geotracker, a release was identified at the Site as early as 1990 and various site investigations and remediation continue to be conducted for light non-aqueous phase liquid (LNAPL). The lateral and vertical extent of LNAPL contamination is still being assessed. Based on the documented extent of LNAPL contamination to groundwater, distance of the facility with respect to the Site, and the inherent environmental risk associated oil refining operations, this listing is considered to represent a REC.		

5.2 Regional Agency Offices

NV5 submitted information requests to the various county and regional agencies that may have records with regard to environmentally-oriented concerns affecting the Site, in accordance with ASTM E1527-13 requirements. Information received from these agencies in response to NV5's request is summarized in the table below. Should records from an agency be provided to NV5 at a later date, an addendum to this report will be issued. Documentation obtained from regulatory agency requests is presented in Appendix C.

Agency	**Records Summary**
CalGEM	No oil or gas wells were identified on the Site or adjoining properties.

Regional Water Quality Control Board – GEOTRACKER	Site https://geotracker.waterboards.ca.gov/profile_report?global_id=T0603703068 Files for the Site, provided by the Regional Water Quality Control Board, were reviewed. While the files reviewed refer to the Site address, it is important to note that the Site was once part of the northern adjoining property (now 23300 South Alameda Street) and the activities described below appear to have been conducted primarily on the northern adjoining property. *Tank Closure Report, Air Products and Chemicals, Inc., 23320 South Alameda Street, Prepared by International Technology Corporation (ITC). Dated August 27, 1987* In August 1987, ITC removed 4 USTs (12,000-gallon diesel, 3,000-gallon gasoline, 2,000-gallon waste oil, and 2,500-gallon diesel) from the Site under the oversight of the Los Angeles County Fire Prevention Division. Soil samples collected within the excavation for the 2,500-gallon diesel fuel tank exhibited elevated concentrations of TPH. Based on the results, ITC recommended additional investigation in the area of the 2,500-gallon diesel tank and remediation if necessary. *Final Report, Remediation of Diesel Contaminated Soil, Air Products Facility, 23320 South Alameda Street. Prepared by Ecova Corporation (Ecova). Dated March 30, 1990.* In March 1989, in response to the contamination identified by ITC during the tank removals, Ecova removed approximately 410 cubic yards of petroleum hydrocarbon contaminated soil immediately below and adjacent to the former 2,500-gallon diesel tank. Confirmation samples were collected from the sidewalls and bottom of the excavation. Results of the confirmation samples indicated all contamination was removed. The contaminated soil was placed on a treatment bed for biodegradation. Based on the results of the treatment bed, Ecova recommended the soil should be treated until all diesel fuel has been degraded and then kept on site and used as fill material. *Site Investigation Study Report, 23320 South Alameda Street, Prepared by ITC. Dated December 1993.* In this report, ITC completes a review of previous investigations conducted at the Site, with emphasis on the former hydrogen plant purification area. Based on their review. The reported indicated that in addition to past on-site releases from operations at the Air Gas Hydrogen plant, evidence of impact from off-site sources such as regional groundwater impact, past unknown placement of impacted fill

	material, or past releases from pipeline located beneath Alameda Street were also identified. ITC recommended remedial action, soil vapor extraction (SVE), in particular, for remediation of soil. *Closure Soil Borings Drilling and Sampling Plan, 23320 South Alameda Street, Prepared by Terra Vac. Dated February 27, 1997.* In the report, Terra Vac describes drilling five closure soil borings at the Site to maximum depths of 35.5 feet bgs. The soil samples collected were analyzed for diesel, gasoline, benzene, toluene, ethylbenzene and xylenes. Soil sample results identified non detect to low concentrations of contaminants with the exception of boring CB-5 (TPH gasoline concentrations of 1,700 milligrams per kilogram [mg/kg] at 15.5 feet bgs and 8,600 mg/kg at 35.5 feet bgs). However, Terra Vac indicates that in the area of CB-5 dense clay zones are less affected by the former SVE system due to low permeability and a plastic liner installed in the excavation after the former caustic tank was removed. Based on the results, Terra Vac recommended the Site be considered for closure. *Closure Investigation Report, 23320 South Alameda Street, Prepared by Air Products. Dated February 27, 1997.* Air Products provided a closure investigation report for the former hydrogen manufacturing site to the LARWQCB. The report indicates that Air Products operated a SVE system from May 1995 to November 1996. Following rebound tests, and LARWQCB approval, the SVE system was shut down and five closure borings (as described above) were advanced. Air Products proposed no further action for the Site and requested the LARWQCB review the closure request and provide comments. *Underground Storage Tank Case Review Form, Los Angeles Regional Water Quality Control Board, Dated September 23, 1997.* This document summarizes the case information for the Site, including USTs removed, site characterization information, maximum concentrations of contaminants, and soil and groundwater remediation activities. The LARWQCB indicated in the comments and justification for recommended action section that the Site be closed based upon “common sense” closure criteria with limitation for industrial use. <u>Adjoining Property – 23300 South Alameda Street</u> One report for the adjoining property was provided by the

Agency	Records Summary
	Regional Water Quality Control Board. *SCAQMD Rule 1166 Soil Excavation Oversight Report, 23300 South Alameda Street, Prepared by ITC. Dated October 1998* This report details soil excavation activities conducted at the Site in response to Air Products and Chemicals, Incorporated intent to construct a new hydrogen facility on the property. Air monitoring in accordance with SCAQMD Rule 1166, environmental engineering oversight, and soil sampling was conducted by ITC during demolition of certain concrete foundations and associated footers near the west end of the property. A total of approximately 1,200 cubic yards (or 1,782 tons) of soil was removed and disposed of as California designated hazardous waste due to detected concentrations of soluble lead.
Department of Toxic Substances Control – ENVIROSTOR	<u>Site</u> According to the Envirostor database, a preliminary assessment report was conducted for the Site in 1985 in response to reports of various chemical wastes (hydrocarbon solvents) being dumped into the channel. In 1989, a site screening and reassessment was completed for the Site. The site was then referred to the LARWQCB in 1992. <u>Adjoining Property</u> No records identified

Agency	Records Summary
Los Angeles County Fire Department	Site Records include Notice of Violation documents to the Site and response letters from Air Products and Chemicals Inc. to the Los Angeles County CUPA with respect to the Notices of Violations and Orders to Comply issued. Violations included submitting generator manifests copies, receipts used for oil, and manifests for all hazardous wastes generated on premises. Air Products and Chemicals Inc included information with respect to the violations and requested to be returned to compliance based on the information provided. In a letter dated August 11, 1999, Air Products and Chemicals Inc. notified the LA County CUPA that the location (23320 S. Alameda Street) facility would close down and would no longer have hazardous materials after August 31, 1999. Adjoining Property – 23300 South Alameda Street Records identified include a letter dated October 26, 1999, from Air Products and Chemicals, Inc. to the Los Angeles County Fire Department describing and including a consolidated permit application package for the new Air Products Carson Hydrogen Plant, located at 23300 South Alameda Street in Carson, California.
Los Angeles City Fire Department	No records were identified for the Site.

Agency	Records Summary
Los Angeles County Public Works Environmental Programs Division	Records received from this agency consisted of UST removal records and industrial wastewater discharge records for the former on-site/adjoining hydrogen gas production plant, which was previously identified by the Site address prior to the early 2000's. **Industrial Wastewater Discharge** Industrial wastewater discharge records starting in 1962 indicated that industrial wastewater generated at the facility's Control Building Laboratory would be discharged to the sanitary sewer system. Carbon dioxide and sodium carbonate generated during the hydrogen gas manufacturing process would be discharged along with cooling tower bleed off and stormwater runoff directly into the eastern adjoining Dominguez Channel. An inspection report dated December 12, 1963, indicated that laboratory waste was actually discharged via a septic tank and leach field as opposed to the sanitary sewer system. A letter from Air Products dated March 6, 1968, indicated that wastes would no longer be discharged to the Dominguez Channel and that the liquid hydrogen plant had been shut down. Operations and discharge were subsequently resumed at this facility in 1972. Permit records indicate that hydrogen plant ceased operation in 1986. Demolition of the plant was started in 1992 and the plant was closed in 1999. **UST Removal** Permit records indicated that this facility operated five USTs including: one 2,000-gallon diesel UST installed in 1962, one 6,000-gallon waste sodium hydroxide UST installed in 1962, one 2,000-gallon waste oil UST installed in 1962, one 3,000-gallon gasoline UST installed in 1974, and one 10,000-gallon diesel UST installed in 1974, The USTs were removed in 1987. Based on maps included in the permit documentation, it appears that one UST (waste oil Tank #28.5) may have been located on the eastern portion of the Site. The other USTs appear to have been located on the northern adjoining property.
Los Angeles County Public Health Investigation	No records identified for the Site.

Agency	Records Summary
SCAQMD FINDS	The Site was issued a violation and notice to comply on August 16, 2019. The violation description was reported as *use best available control measures to mitigate fugitive dust. Have active PO for all portable equipment.* Reinspection of the Site was conducted on December 5, 2019. Based on reinspection the Site was returned to an In Compliance status.

5.3 Historical Records

NV5 used USGS Topo maps, aerial photographs, fire insurance maps, and historical street directories to provide information about the history of the Site and its surroundings. The resources NV5 reviewed are tabulated below and presented in Appendix E.

Historical Resources		
Source Type	**Years Reviewed**	**Source**
USGS Topo Maps	1889, 1899, 1902, 1923/1924, 1930, 1942, 1943, 1947/1948, 1949/1951, 1964, 1972, 1981, 2012	USGS/EDR
Aerial Photograph(s)	1928, 1947, 1952, 1963, 1977, 1981, 1989, 1994, 2002, 2005, 2009, 2012, 2016	EDR
Fire Insurance (Sanborn) Maps	No Coverage Letter	EDR
Street Directories	1964, 1967, 1970, 1971, 1975, 1990, 1999, 2004	EDR

5.4 Past Uses – Site

Our interpretation of past uses of the Site, based on the historical data sources listed above, are tabulated below.

Date	Interpreted Property Use
1896 to 1963	Topo maps depict the Site to be vacant and undeveloped.
1964 to 1977	Topo maps and aerial photographs depict the Site to be developed with two round structures along the northern boundary and a small building along the southern boundary. Based on the location of the structures, the Site appears to be associated with operations at the northern adjoining property during this period. The remainder of the property is not developed, but appears to be utilized for parking. Historical city directories identified the past tenants of the Site as: <u>23320 South Alameda Street</u> Air Products and Chemicals Corp (1964, 1970, 1971)

Date	Interpreted Property Use
	Air Products and Chemicals Inc. (1967, 1975) Historical permit records indicated that this facility was an Air Products hydrogen gas production facility.
1981 to 1989	The Site continues to appear to be part of the northern adjoining property; however, an additional building in the southwest corner is depicted starting in 1981.
1994	The round structures along the northern boundary of the Site appear to have been removed. Historical city directories identified the past tenants of the Site as: 23320 South Alameda Street Air Products Hydrogen Plant (1999)
2002	The small building located along the southern boundary of the Site appears to have been removed.
2003	An interview with the property owner representative indicated that the Site was subdivided from its original parcel and developed for use as a concrete recycling facility.
2005 to 2016	The Site appears to have been graded and occupied by the present-day concrete recycling business. The building in the southwestern corner of the Site is still visible in aerial photographs.

5.5 Past Uses – Adjoining Properties

Our interpretation of past uses of the adjoining properties, based on the historical data sources listed above, are tabulated below.

Date	Description
Northern Adjoining Property	
1896 to 1952	Topo maps and aerial photographs depict the property to be vacant and undeveloped.
1963 to 1989	Topo maps and aerial photographs depict the property developed with two large buildings in the southwestern corner along with three round structures along the southern property boundary. A rectangular building is also depicted in the northwestern corner of the property. Historical permit records indicated that this facility was an Air Products hydrogen gas production facility.
1994	Aerial photographs depict the property to be vacant and undeveloped. All previous buildings and structures appear to have been demolished and removed from the property.

Date	Description
2002 to 2016	Topo maps and aerial photographs depict the property developed with multiple buildings and round structures, similar to the present-day configuration. Historical city directories identified the past tenants of the Site as: 23300 South Alameda Street Air Products and Chemicals Inc (2009)
Southern Adjoining Property	
1896 to 1963	Topo maps and aerial photographs depict the property to be vacant and undeveloped.
1977 to 2016	Topo maps and aerial photographs depict the property developed with a large building to the east and asphalt paved lot on the remainder of the property, similar to the present-day configuration. Environmental regulatory records reviewed during this assessment indicated that the property is used for petroleum coke storage by the nearby oil refinery.
Eastern Adjoining Property	
1928 to 2016	Topo maps and aerial photographs depict the property as the Union Pacific Railroad, similar to the present day.
Western Adjoining Property	
1899 to 1928	Topo maps and aerial photographs depict the property as vacant and undeveloped.
1942 to 1963	Topo maps depict a developed portion of a water channel on the property.
1977 to 2016	Topo maps and aerial photographs depict the property fully developed with the Dominguez Channel, similar to the present day.

5.6 Interviews

NV5 interviewed parties potentially having information about current and/or former conditions at the Site. The parties and their affiliation are tabulated below.

Interviews		
Name	**Affiliation**	**Role**
Mr. Max Margolin	Tenaska	Client/User
Mr. Kevin Bradley	Marathon Los Angeles Refinery	Site Owner Representative
Ms. Katerie Luka	Marathon Los Angeles Refinery	Site Owner Representative

Mr. Margolin arranged for Site access and completed the User Questionnaire.

Mr. Bradley and Ms. Luka provided basic site history and indicated that they were not aware of any known environmental contamination, USTs, or wells at the Site. They indicated that the property of which the Site was originally associated with was subdivided in 2003 and subsequently occupied by the present-day concrete recycling facility.

6 NON-SCOPE CONSIDERATIONS

Per the authorized scope of work, items beyond the scope of ASTM E-1527-13 were not addressed as part of this assessment.

7 VAPOR ENCROACHMENT SCREENING

ASTM E1527-13 requires the Environmental Professional to evaluate the potential for vapor encroachment of chemicals of concern (COC) onto the Site, and to determine if such vapor encroachment constitutes evidence of a REC on the Site. The E1527-13 Standard Practice does not specifically state the methods that must be used to screen for potential vapor encroachment issues. However, ASTM has developed a separate Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions (ASTM E2600-15), which outlines an ASTM E1527-13-compliant methodology to conduct vapor encroachment screening that was used for this assessment as described below.

7.1 VES Methodology

The goal of conducting Vapor Encroachment Screening (VES) is to identify a vapor encroachment condition (VEC), which is defined as the presence or likely presence of chemicals of concern (COC) vapors in the vadose zone of the Site caused by the release of vapors from contaminated soil and/or groundwater either on or near the Site. If a VEC is identified, the Environmental Professional must determine whether the VEC represents evidence of a REC on the Site under the context of the Phase I ESA Standard Practice. It should be noted that the identification of a VEC on the Site does not necessarily indicate that a potential for migration of vapors into existing or proposed structures on the Site is likely. The Environmental Professional will identify the VEC as a REC where the potential for vapor migration into structures is considered likely, or where the contaminant concentrations in the soil, groundwater, or soil vapors on the Site are significant and likely to result in enforcement against on-site or off-site responsible parties.

The VES utilizes information regarding the potential presence of releases on or near the Site that were collected as a normal part of the Phase I ESA process, such as governmental database records, review of governmental files, historical data sources, etc. The VES Standard Guide requires the Environmental Professional to search for potential sites of concern within specific search radii. The area of concern search radius is 1,760 feet (1/3 mile) for non-petroleum-impacted sites and 528 feet (1/10 miles) for petroleum-impacted sites. The default search distances may be expanded or reduced in the upgradient, downgradient, or cross-gradient directions by the Environmental Professional based on experience in the local area and applying professional judgment to factors such as where a well-defined regional groundwater flow direction is identified, or whether other geologic features such as low permeability soils or hydrogeologic boundaries such as rivers or streams exist which would tend to limit the potential for migration of groundwater or vapors in a particular direction.

7.2 VES Search Results

NV5 identified several sites of potential concern within the VES search radii. Based on our review of governmental database records, regulatory agency files, and historical resources referenced in Section 5.3, the following sites of potential concern are considered to represent a VEC:

- Based on the documented extent of LNAPL contamination to groundwater and the distance of the facility to the Site, the Marathon Los Angeles Refinery is considered to represent a VEC.
- Based on the previous hydrocarbon releases at the former on-site and adjoining hydrogen plant is considered to represent a VEC.

8 FINDINGS

Based on the Site reconnaissance, review of historical and available documents, and interviews, NV5 finds the following:

8.1 Current Site Activities

At the time of our Site reconnaissance, the Site was developed with a single-story building and a small shed utilized for equipment storage occupied by Lovco Recycle Site, a concrete and asphalt recycling facility. The remainder of the Site is utilized for concrete and asphalt crushing, shipping, and receiving activities.

8.2 Historical Site Activities

The Site was vacant and undeveloped as early as 1896 to as late as 1963. Around 1964, the Site was partially developed with several structures associated with hydrogen gas plant operations being conducted on the northern adjoining property. The hydrogen plant operated until the 1990's and was subsequently closed and structures demolished. As part of the hydrogen plant closure, the present-day Site parcel was subdivided from the northern adjoining property parcel and structures on the Site were demolished with the exception of the present-day Site building. The Site was redeveloped for use as a concrete recycling facility.

8.3 Off-Site Activities

The Site is located within an area primarily comprised of industrial use. Current uses of adjoining properties include Air Products (hydrogen plant) to the north, the Union Pacific Railroad to the west, Marathon (petroleum coke storage facility) to the south, and the Dominguez Channel to the east.

8.4 Data-Gaps

The ASTM Standard defines a data gap as "a lack of or inability to obtain information required by the practice despite good faith efforts by the environmental professional to gather such information." A data gap is only significant if other information obtained during the ESA, or professional experience, raises reasonable concerns and affects the ability of the environmental professional to identify whether a given issue is a REC. The ASTM Standard requires that the ESA report identify and comment on significant data gaps. No data gaps were identified by NV5 during this assessment.

9 CONCLUSIONS AND RECOMMENDATIONS

NV5 completed a Phase I ESA of the property located at 23320 South Alameda Street in Carson, California. The ESA was performed in conformance with the scope and limitations of ASTM E1527-13 standards. Any exceptions to, or deletions from, this practice are described in Section 1.0 of this report. The assessment was performed to identify conditions indicative of releases and threatened releases of hazardous substances and petroleum products on, at, in, or to the Site.

Conclusions

No evidence of CRECs were identified during this assessment.

The following evidence of RECs, HRECs, and VECs were identified:

- According to title documentation reviewed during this assessment, an environmental deed restriction has been placed on the Site due to the potential presence of hazardous substances at, on, or underneath the Site. The deed restriction places several restrictions on the property related to future development, use, and groundwater. Based on the nature of the deed restriction, it is considered to represent evidence of a REC.
- The northern adjoining property, and portions of the Site, were previously developed with a hydrogen gas plant between the early 1960's to the late 1990's. Releases of petroleum hydrocarbons and VOCs from former USTs and hydrogen production operations at the facility along with evidence of potential off-site hydrocarbon releases and regional groundwater impact were reported at both the portion of the hydrogen production facility located on the northern adjoining property, and at the portion of the facility located at the Site (primarily from surficial spills near a waste oil UST located on the eastern portion of the Site). These releases were subsequently remediated and granted case closure/no further action status. Additionally, during subsequent redevelopment 1,200 cubic yards of petroleum and lead impacted soils were excavated and removed from the northern adjoining property. Due to the elevated concentrations of soluble lead, the soils were classified as a California designated hazardous waste. Based on the completion of remediation and issuance of a regulatory closure letter, the past releases at this facility are considered to represent a HREC and VEC.
- The Marathon Los Angeles Refinery facility is located approximately 500 feet west of the Site. Previous site investigations conducted identified evidence of multiple releases of petroleum hydrocarbons and associated VOCs at this facility. Site investigations and remediation for LNAPL is currently ongoing and the lateral and vertical extent of LNAPL contamination is still being assessed. NV5 reviewed groundwater data published on the Geotracker database for multiple current cleanup program facilities located near the Site. Based on a review of published groundwater monitoring data, the shallowest groundwater is reported to be present at depths ranging from approximately 10 to 80 feet below ground surface (bgs) and flow towards the west-northwest, away from the Site. Nevertheless, based on the documented extent of LNAPL contamination to groundwater, distance of the facility with respect to the Site, and the inherent environmental risk associated with oil refining operations, the Marathon Los Angeles Refinery is considered to represent a REC and a VEC.

Recommendations

The client should consult with legal counsel regarding the requirements, responsibilities, and limitations of the property due to the environmental deed restriction.

Minor staining was observed beneath equipment within the onsite building and beneath the onsite AST. While not considered a REC, the client may wish to consider conducting a limited soil assessment or

removal of stained soil for further assurance that petroleum impacted soils are not present at the Site at levels that would require specialized handling and/or disposal during future site development.

Additionally, past assessment activities at the northern adjoining property and Site have identified the presence of soluble lead and/or petroleum hydrocarbons in the shallow soils. The elevated concentrations of soluble lead required the excavated soils to be handled and disposed of as California designated hazardous waste. The client may wish to consider conducting shallow soil sampling (to the depth of proposed soil excavation/earth moving activities) to assess if soils that will be disturbed during development or construction contain elevated concentrations of hydrocarbons or lead that would require special handling and/or disposal. Note that below-ground excavation work may require workers to be OSHA HAZWOPER-trained and certified to work with hazardous conditions that may be encountered.

NV5 understands that future Site development will not include construction of occupied structures. This eliminates the potential exposure pathway to future site occupants associated with potential vapor intrusion from VOC impacted groundwater beneath the Site. If future development plans change to include the construction of habitable structures, the client may consider additional assessment or mitigation of potential vapor intrusion.

10 QUALIFICATIONS AND SIGNATURE

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in 40 CFR 312.10. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Site. I have developed and performed the All Appropriate Inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.'



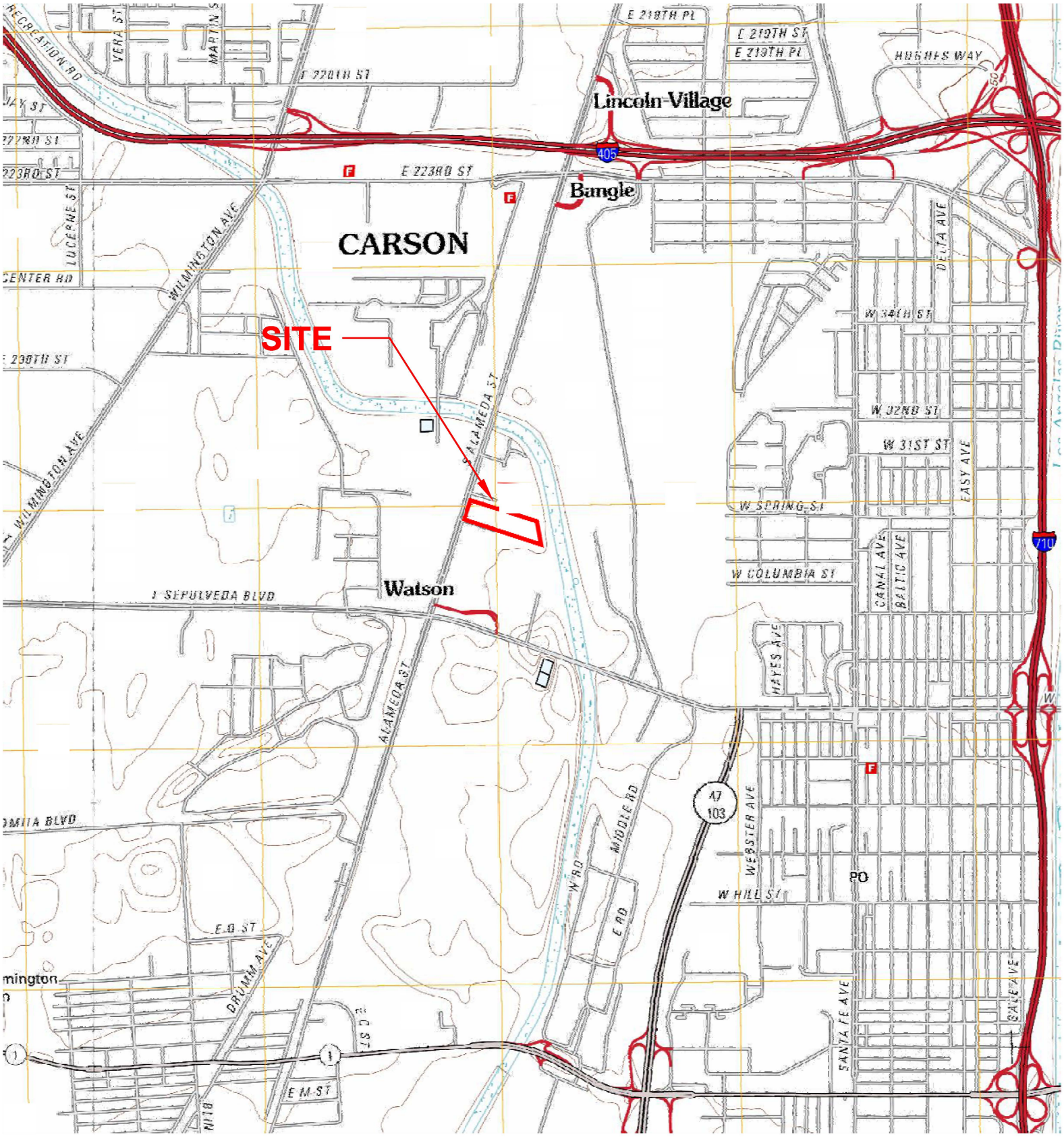
BINA PATEL
ASSOCIATE III/STAFF GEOLOGIST



ERIC FRASKE, PE
SENIOR ENGINEER

Resume and other supporting documentation are maintained on file at NV5.

Figures



Approximate Site Location

FIGURE 1: Site Location Map

CLIENT: Tenaska, Inc.	SITE LOCATION: 23320 South Alameda Street Carson, California
PROJECT #: TNSK-21-10392	

NV5 ALTA ENVIRONMENTAL

3777 Long Beach Blvd., Annex Bldg.
Long Beach, CA 90807
(562) 495-5777 www.altaenviron.com

DRAWN: BP	APPROVED: EF	NORTH
SCALE: None	DATE: Sept. 2021	

C:\Users\bina.patel\Desktop\TNSK-21-10392 Carson Phase I ESA\ALBT-21-10459.dwg



FIGURE 2: Site Vicinity Map

CLIENT: Tenaska	DRAWN: BP	APPROVED: EF	NORTH
SITE LOCATION: 23320 South Alameda Street Carson, California	SCALE: None	DATE: Sept. 2021	
	PROJECT #: TNSK-21-10392		
	SOURCE: Google Earth Professional, 2018		

NV5
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ENVIRONMENTAL
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P: (562) 495-5777 ♦ F: (562) 495-5877 ♦ www.altaenviron.com

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Appendix A

Representative Site Photographs



Photo 1: View of entrance of Site



Photo 2: View of guard shack at Site entrance



Photo 3: View of crushed concrete pile located on central portion of the Site



Photo 4: View of typical concrete crushing machine



Photo 5: View of concrete crushing machines and crushed concrete pile located on the central portion of Site.



Photo 6: View of electric generator used for onsite concrete crushing machines



Photo 7: View of equipment and tool storage shed located on southwestern portion of Site.



Photo 8: View of pad-mounted transformer located on southwestern portion of Site.



Photo 9: View of south-southwestern corner of onsite building



Photo 10: View of equipment stored inside onsite building.



Photo 11: View of 5-gallon containers of motor and hydraulic oil stored within onsite building.



Photo 12: Additional equipment storage inside onsite building



Photo 13: Staining observed beneath equipment stored in onsite building.



Photo 14: Additional view of onsite building

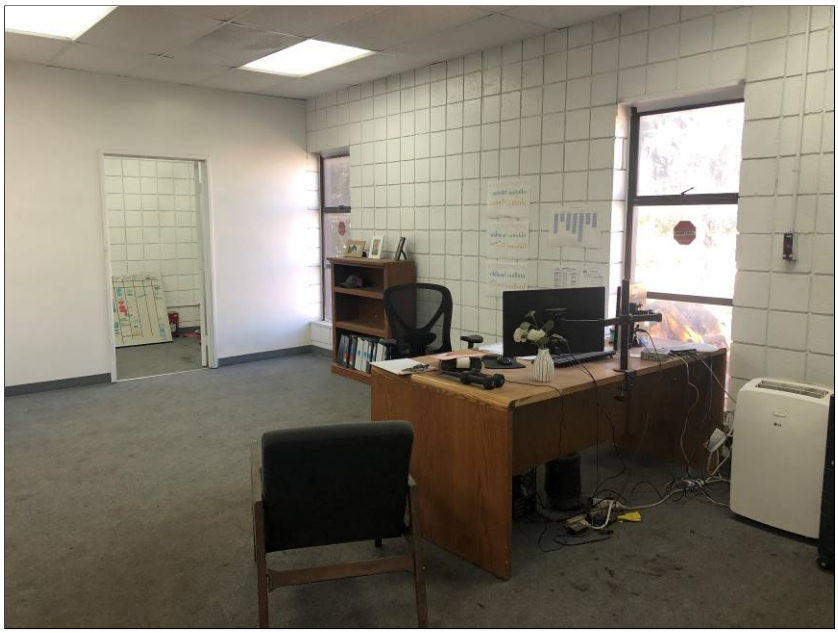


Photo 15: Typical office inside onsite building.



Photo 16: View of inactive dry type transformers.



Photo 17: View of work area adjacent to onsite building.



Photo 18: View of household cleaning chemicals, hydraulic oil, and fuel stored within the work area.



Photo 19: View of work bench with minimal staining beneath 5-gallon containers of motor oil and hydraulic oil.



Photo 20: View of 1,000-gallon AST used for fueling onsite excavators and loaders.



Photo 21: Additional view of 1,000-gallon AST



Photo 22: View of typical equipment stored within onsite storage shed



Photo 23: View of northern adjoining property (Air Products)



Photo 24: Partial view of northern adjoining property (Air Products) and eastern adjoining property (Dominguez Channel)



Photo 25: View of southern adjoining property (Marathon Carson Coke Handling)



Photo 26: Additional view of southern adjoining property (Marathon Carson Coke Handling)



Photo 27: View of western adjoining property (Union Pacific Railroad)

Appendix B

EDR Radius Report with GeoCheck

23320 Alameda Street
23320 Alameda Street
Long Beach, CA 90810

Inquiry Number: 6645854.2s
September 02, 2021

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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GEOCHECK ADDENDUM

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

23320 ALAMEDA STREET
LONG BEACH, CA 90810

COORDINATES

Latitude (North):	33.8114820 - 33° 48' 41.33''
Longitude (West):	118.2313610 - 118° 13' 52.89''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	386030.0
UTM Y (Meters):	3741741.5
Elevation:	21 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5652670 LONG BEACH, CA
Version Date:	2012
West Map:	5633779 TORRANCE, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140513
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
23320 ALAMEDA STREET
LONG BEACH, CA 90810

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	AIR PRODUCTS AND CHE	23320 S ALAMEDA ST	HIST UST, HAZNET, HWTS		TP
A2	SOUTHERN CALIFORNIA	23320 S ALAMEDA	HWTS		TP
A3	AIR PRODUCTS AND CHE	23320 S ALAMEDA ST	SWEEPS UST, HIST UST, EMI		TP
A4	TESORO LOGISTICS OPE	23320 S. ALAMEDA STR	HWTS		TP
A5	TESORO LOGISTICS OPE	23320 S. ALAMEDA STR	ECHO		TP
A6	TESORO LOGISTICS OPE	23320 S. ALAMEDA STR	HAZNET, HWTS		TP
A7	AIR PRODUCTS & CHEMI	23320 ALAMEDA ST S	FINDS		TP
A8	23320 SOUTH ALAMEDA	23320 S ALAMEDA ST	CIWQS		TP
A9	AIR PRODUCTS AND CHE	23320 ALAMEDA	CPS-SLIC		TP
A10	AIR PRODUCTS & CHEMI	23320 ALAMEDA ST S	LUST		TP
A11	AIR PRODUCTS MFG COR	23320 S ALAMEDA ST	SWEEPS UST, CA FID UST, LOS ANGELES CO. HMS, CERS		TP
A12	TESORO LOGISTICS OPE	23320 S. ALAMEDA STR	RCRA NonGen / NLR		TP
A13	CARSON LIQUID HYDROG	23320 SOUTH ALAMEDA	WMUDS/SWAT		TP
A14	AIR PRODUCTS & CHEM	23320 S ALAMEDA ST	SEMS-ARCHIVE, RCRA-SQG		TP
A15	AIR PRODUCTS & CHEMI	23320 ALAMEDA ST S	RGA LUST		TP
A16		AIR PROD & CHEM INC;	ERNS		TP
A17	AIR PRODUCTS & CHEMI	23320 ALAMEDA ST S	RGA LUST		TP
A18	AIR PRODUCTS & CHEMI	23320 SOUTH ALAMEDA	ENVIROSTOR, CPS-SLIC, HIST CORTESE, CERS		TP
Reg	MONTROSE CHEMICAL CO	20201 S NORMANDIE AV	NPL, SEMS, RCRA-LQG, US ENG CONTROLS, US INST...	Same	141, 0.027, East
B19	AIR PRODUCTS AND CHE	23300 S. ALAMEDA STR	RCRA-LQG	Higher	7, 0.001, WNW
B20	AIR PRODUCTS AND CHE	23300 SOUTH ALAMEDA	AST	Higher	7, 0.001, WNW
B21	AIR PRODUCTS AND CHE	23300 S ALAMEDA ST	CERS HAZ WASTE, CERS TANKS, HAZNET, CERS, HWTS	Higher	7, 0.001, WNW
B22		23300 S ALAMEDA ST	AST	Higher	7, 0.001, WNW
23	ARCO (CARSON TERMINA	2149 SEPULVEDA	LUST, HIST CORTESE	Higher	143, 0.027, SSE
24	TEXACO	232000 S. ALAMEDA	Notify 65	Higher	647, 0.123, NNW
C25		23208 S ALAMEDA ST	AST	Higher	736, 0.139, North
C26	TESORO REFINING AND	23208 S ALAMEDA ST	AST, CERS HAZ WASTE, HIST UST, CERS TANKS, CHMIRS,..	Higher	736, 0.139, North
C27	TESORO REFINING & MA	23208 S ALAMEDA ST	ENVIROSTOR, CHMIRS	Higher	736, 0.139, North
C28	EQUILON ENTERPRISES,	23208 S ALAMEDA ST	HIST UST, EMI	Higher	736, 0.139, North
C29	TESORO REF & MKTG CO	23208 S ALAMEDA	SEMS-ARCHIVE, CORRACTS, RCRA-TSDF, RCRA-LQG, ICIS,	Higher	736, 0.139, North
30	ACTA SOUTH - PARCEL	ALAMEDA ST	CPS-SLIC, CHMIRS, CERS	Higher	1066, 0.202, SW
31	HARGROVE	NE OF SEPULVEDA & AL	WMUDS/SWAT	Higher	1097, 0.208, SSW
32	ACTA SOUTH - PARCEL	S. ALAMEDA ST.	CPS-SLIC, CERS	Lower	1162, 0.220, North
33	ARCO - CARSON TERMIN	2149 SEPULVEDA	CPS-SLIC	Higher	1318, 0.250, SSE
D34	WATSON CARBON & CHEM	2021 EAST SEPULVEDA	ENVIROSTOR	Higher	1337, 0.253, South
D35	ARCO CREDIT UNION	1907 SEPULVEDA BLVD	LUST, Cortese, HIST CORTESE, CERS	Lower	1342, 0.254, South
E36	WILMINGTON CLASS&YAR		UXO	Higher	1506, 0.285, East
E37	WILMINGTON CLASS & H		ENVIROSTOR	Higher	1506, 0.285, East
E38	WILMINGTON CLA & HOL		FUDS	Higher	1506, 0.285, East

MAPPED SITES SUMMARY

Target Property Address:
23320 ALAMEDA STREET
LONG BEACH, CA 90810

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
39	TED HAMMETT	E OF ALAMEDA N OF SE	SEMS-ARCHIVE	Higher	1631, 0.309, ESE
40	ARCO REFINERY	1801 SEPULVEDA	CPS-SLIC	Higher	1865, 0.353, WSW
F41	CHEMOIL TERMINALS CO	2365 E SEPULVEDA BLV	CPS-SLIC, EMI, LOS ANGELES CO. HMS, NPDES, WDS,...	Higher	2198, 0.416, SE
F42	WATSON LAND CO. - BL	2222 SEPULVEDA	CPS-SLIC	Higher	2225, 0.421, SE
G43	ALAMEDA ST SAN LDFL	22700 S ALAMEDA ST	ENVIROSTOR, EMI	Higher	2548, 0.483, North
G44	ALAMEDA ST SAN LDFL	22700 S ALAMEDA ST	SEMS	Higher	2548, 0.483, North
45	PHILIP WEST INDUSTRI	2222 E SEPULVEDA	HAZNET, HWP, CERS, HWTS	Higher	2647, 0.501, SE
H46	TESORO CARSON REFINE	1801 SEPULVEDA BLVD	SEMS-ARCHIVE, CORRACTS, RCRA-TSDF, RCRA-LQG, US...	Higher	2679, 0.507, WSW
H47	BP WEST COAST PRODUC	1801 E SEPULVEDA BLV	ENVIROSTOR	Higher	2679, 0.507, WSW
H48	TESORO CARSON REFINE	1801 E SEPULVEDA BLV	ICE, HWP	Higher	2679, 0.507, WSW
H49	ARCO PETROLEUM PRODU	1801 EAST SEPULVEDA	ENVIROSTOR, CHMIRS, CIWQS	Higher	2679, 0.507, WSW
I50	CARSON TERMINAL	2000 EAST SEPULVEDA	Toxic Pits, CHMIRS, ENF, NPDES, CIWQS	Higher	2884, 0.546, South
I51	TORRANCE LOGISTICS C	2000 E. SEPULVEDA BL	CPS-SLIC, CERS HAZ WASTE, SWEEPS UST, HIST UST, CA..	Higher	2884, 0.546, South
I52	KMEP CARSON TERMINAL	2000 E. SEPULVEDA BL	ENVIROSTOR, CPS-SLIC, CHMIRS, LA Co. Site...	Higher	2884, 0.546, South
J53	WILMINGTON COMPLEX	1622 EAST SEPULVEDA	Notify 65	Higher	3192, 0.605, WSW
J54	SHELL OIL	1622 E. SEPULVEDA BL	Notify 65	Higher	3192, 0.605, WSW
J55	WILMINGTON REFINERY	1622 EAST SEPULVEDA	ENVIROSTOR	Higher	3192, 0.605, WSW
K56	LAGUNA DOMINGEZ OIL		FUDS	Higher	3951, 0.748, South
K57	LAGUNA DOM OIL SF PL		ENVIROSTOR	Higher	3952, 0.748, South
58	MATLACK, INC.	22422 S. ALAMEDA	ENVIROSTOR, SWEEPS UST	Higher	3993, 0.756, NNE
K59	L.A. ORDNANCE DEPOT		ENVIROSTOR	Higher	3996, 0.757, South
K60	MANUEL WAREHOUSE		ENVIROSTOR	Higher	4020, 0.761, South
L61	SGS INDUSTRIAL	1520 E SEPULVEDA	DEED, HAZNET, ICE, HWP, HWTS	Higher	4194, 0.794, SW
L62	PHILLIPS 66 LOS ANGE	1520 E SEPULVEDA BLV	CORRACTS, RCRA-TSDF, RCRA-LQG, UST, SWEEPS UST, CA	Higher	4194, 0.794, SW
L63	PHILLIPS 66 COMPANY,	1520 E SEPULVEDA BLV	ENVIROSTOR, CPS-SLIC, CERS HAZ WASTE, CERS TANKS,..	Higher	4194, 0.794, SW
64	MONSANTO CHEMICAL CO	2100 EAST 223RD STRE	RESPONSE, ENVIROSTOR, Cortese, HIST CORTESE	Higher	4198, 0.795, NNW
M65	MANVILLE CORPORATION	2420 EAST 223RD STRE	HIST Cal-Sites, CA BOND EXP. PLAN, CERS	Higher	4497, 0.852, North
M66	MANVILLE PLANT	2420 223RD ST E	RESPONSE, ENVIROSTOR, LUST, DEED, Cortese, HIST...	Higher	4497, 0.852, North
N67	COONS TRUST PROPERTY	2254 E. 223RD STREET	ENVIROSTOR, CPS-SLIC, VCP, DEED, CERS	Higher	4504, 0.853, NNW
N68	STAUFFER MANAGEMENT	2112 EAST 223RD STRE	SEMS-ARCHIVE, CORRACTS, RCRA-TSDF, RCRA-LQG,...	Higher	4504, 0.853, NNW
O69	MONSANTO CHEMICAL CO	2100 E 223RD ST	ENVIROSTOR, CPS-SLIC, HIST Cal-Sites, SWEEPS UST,...	Higher	4513, 0.855, NNW
O70	SOLUTIA INC. CARSON	2100 EAST 223RD STRE	CORRACTS, RCRA-TSDF, RCRA-LQG, HWP	Higher	4513, 0.855, NNW
N71	STAUFFER MANAGEMENT	2201_E_223RD ST OFF	RCRA-SQG, RESPONSE, ENVIROSTOR, LUST, CPS-SLIC,...	Higher	4524, 0.857, NNW
72	223RD ST./DOMINGUEZ		Notify 65	Lower	5219, 0.988, NW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 9 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
AIR PRODUCTS AND CHE 23320 S ALAMEDA ST LONG BEACH, CA 90810	HIST UST HAZNET GEPAID: CAT080010655 HWTS	N/A
SOUTHERN CALIFORNIA 23320 S ALAMEDA CARSON, CA 90745	HWTS	N/A
AIR PRODUCTS AND CHE 23320 S ALAMEDA ST LONG BEACH, CA 90810	SWEEPS UST Status: A Tank Status: A Comp Number: 3098 HIST UST Facility Id: 00000003098 EMI Facility Id: 3417	N/A
TESORO LOGISTICS OPE 23320 S. ALAMEDA STR CARSON, CA 90745	HWTS	N/A
TESORO LOGISTICS OPE 23320 S. ALAMEDA STR CARSON, CA 90745	ECHO Registry ID: 110070583299	N/A
TESORO LOGISTICS OPE 23320 S. ALAMEDA STR CARSON, CA 90745	HAZNET GEPAID: CAC003003608 GEPAID: CAC003019368 HWTS	N/A
AIR PRODUCTS & CHEMI 23320 ALAMEDA ST S CARSON, CA 90810	FINDS Registry ID:: 110065112087	N/A
23320 SOUTH ALAMEDA 23320 S ALAMEDA ST LONG BEACH, CA 90810	CIWQS	N/A
AIR PRODUCTS AND CHE 23320 ALAMEDA CARSON, CA 90810	CPS-SLIC Database: SLIC REG 4, Date of Government Version: 11/17/2004	N/A

EXECUTIVE SUMMARY

	Facility Status: No further action required	
AIR PRODUCTS & CHEMI 23320 ALAMEDA ST S CARSON, CA 90810	LUST Database: LUST REG 4, Date of Government Version: 09/07/2004 Facility Id: I-05385 Status: Case Closed Global ID: T0603703068	N/A
AIR PRODUCTS MFG COR 23320 S ALAMEDA ST CARSON, CA 90810	SWEEPS UST Status: A Tank Status: A Comp Number: 5385 CA FID UST Facility Id: 19050949 Status: A LOS ANGELES CO. HMS Facility ID: 005186-I05385 Facility ID: 005186-005385 CERS	N/A
TESORO LOGISTICS OPE 23320 S. ALAMEDA STR CARSON, CA 90745	RCRA NonGen / NLR EPA ID:: CAC003019368	CAC003019368
CARSON LIQUID HYDROG 23320 SOUTH ALAMEDA CARSON ,CA, CA 90810	WMUDS/SWAT	N/A
AIR PRODUCTS & CHEM 23320 S ALAMEDA ST CARSON, CA 90810	SEMS-ARCHIVE Site ID: 0902667 EPA Id: CAT080010655 RCRA-SQG EPA ID:: CAT080010655	CAT080010655
AIR PRODUCTS & CHEMI 23320 ALAMEDA ST S CARSON, CA	RGA LUST	N/A
AIR PROD & CHEM INC; AIR PROD & CHEM INC; LONG BEACH, CA	ERNS	N/A
AIR PRODUCTS & CHEMI 23320 ALAMEDA ST S CARSON, CA	RGA LUST	N/A

EXECUTIVE SUMMARY

AIR PRODUCTS & CHEMI
23320 SOUTH ALAMEDA
CARSON, CA 90810

ENVIROSTOR N/A
Facility Id: 19281007
Status: Refer: RWQCB

CPS-SLIC
Database: CPS-SLIC, Date of Government Version: 06/03/2021
Facility Status: Completed - Case Closed
Global Id: T0603703068

HIST CORTESE
Reg Id: I-05385
Reg Id: 19281007

CERS

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ---------- National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY ---------- Federal Facility Site Information listing

Federal RCRA generators list

RCRA-VSQG ---------- RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS ---------- Land Use Control Information System

State and tribal landfill and/or solid waste disposal site lists

SWF/LF ---------- Solid Waste Information System

State and tribal leaking storage tank lists

INDIAN LUST ---------- Leaking Underground Storage Tanks on Indian Land

EXECUTIVE SUMMARY

State and tribal registered storage tank lists

FEMA UST ---- Underground Storage Tank Listing
UST ---- Active UST Facilities
INDIAN UST ---- Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

VCP ---- Voluntary Cleanup Program Properties
INDIAN VCP ---- Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS ---- Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ---- A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY ---- Recycler Database
HAULERS ---- Registered Waste Tire Haulers Listing
INDIAN ODI ---- Report on the Status of Open Dumps on Indian Lands
ODI ---- Open Dump Inventory
DEBRIS REGION 9 ---- Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS ---- Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

AOCONCERN ---- Key Areas of Concerns in Los Angeles County
US HIST CDL ---- Delisted National Clandestine Laboratory Register
SCH ---- School Property Evaluation Program
CDL ---- Clandestine Drug Labs
US CDL ---- National Clandestine Laboratory Register
PFAS ---- PFAS Contamination Site Location Listing

Local Land Records

LIENS ---- Environmental Liens Listing
LIENS 2 ---- CERCLA Lien Information
DEED ---- Deed Restriction Listing

Records of Emergency Release Reports

HMIRS ---- Hazardous Materials Information Reporting System
CHMIRS ---- California Hazardous Material Incident Report System
LDS ---- Land Disposal Sites Listing
MCS ---- Military Cleanup Sites Listing
SPILLS 90 ---- SPILLS 90 data from FirstSearch

Other Ascertainable Records

DOD ---- Department of Defense Sites

SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR	Financial Assurance Information
EPA WATCH LIST	EPA WATCH LIST
2020 COR ACTION	2020 Corrective Action Program List
TSCA	Toxic Substances Control Act
TRIS	Toxic Chemical Release Inventory System
SSTS	Section 7 Tracking Systems
RMP	Risk Management Plans
RAATS	RCRA Administrative Action Tracking System
PADS	PCB Activity Database System
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS	Material Licensing Tracking System
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database
RADINFO	Radiation Information Database
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS	Incident and Accident Data
INDIAN RESERV	Indian Reservations
FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
US AIRS	Aerometric Information Retrieval System Facility Subsystem
US MINES	Mines Master Index File
ABANDONED MINES	Abandoned Mines
DOCKET HWC	Hazardous Waste Compliance Docket Listing
FUELS PROGRAM	EPA Fuels Program Registered Listing
CUPA Listings	CUPA Resources List
DRYCLEANERS	Cleaner Facilities
ENF	Enforcement Action Listing
Financial Assurance	Financial Assurance Information Listing
ICE	ICE
HWT	Registered Hazardous Waste Transporter Database
MINES	Mines Site Location Listing
MWMP	Medical Waste Management Program Listing
NPDES	NPDES Permits Listing
PEST LIC	Pesticide Regulation Licenses Listing
PROC	Certified Processors Database
LA Co. Site Mitigation	Site Mitigation List
UIC	UIC Listing
UIC GEO	UIC GEO (GEOTRACKER)
WASTEWATER PITS	Oil Wastewater Pits Listing
WDS	Waste Discharge System
WIP	Well Investigation Program Case List
MILITARY PRIV SITES	MILITARY PRIV SITES (GEOTRACKER)
PROJECT	PROJECT (GEOTRACKER)
WDR	Waste Discharge Requirements Listing
NON-CASE INFO	NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS	OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS	PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT	SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ	Well Stimulation Project (GEOTRACKER)
MINES MRDS	Mineral Resources Data System
LOS ANGELES CO LF METHANE	Methane Producing Landfills

EXECUTIVE SUMMARY

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP---------- EDR Proprietary Manufactured Gas Plants
EDR Hist Auto---------- EDR Exclusive Historical Auto Stations
EDR Hist Cleaner---------- EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF---------- Recovered Government Archive Solid Waste Facilities List

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: Also known as Superfund, the National Priority List database is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund program. The source of this database is the U.S. EPA.

A review of the NPL list, as provided by EDR, and dated 07/29/2021 has revealed that there is 1 NPL site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MONTROSE CHEMICAL CO Cerclis ID:: 900993 EPA Id: CAD008242711	***20201 S NORMANDIE AV***	***E 0 - 1/8 (0.027 mi.)***	***0***	***48***

EXECUTIVE SUMMARY

Federal CERCLIS list

SEMS: SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the SEMS list, as provided by EDR, and dated 07/29/2021 has revealed that there are 2 SEMS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MONTROSE CHEMICAL CO Site ID: 0900993 EPA Id: CAD008242711	***20201 S NORMANDIE AV***	***E 0 - 1/8 (0.027 mi.)***	***0***	***48***
ALAMEDA ST SAN LDFL Site ID: 0901806 EPA Id: CAD980636393	22700 S ALAMEDA ST	N 1/4 - 1/2 (0.483 mi.)	G44	260

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 07/29/2021 has revealed that there are 2 SEMS-ARCHIVE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TESORO REF & MKTG CO Site ID: 0900240 EPA Id: CAT000646331	***23208 S ALAMEDA***	***N 1/8 - 1/4 (0.139 mi.)***	***C29***	***160***
TED HAMMETT Site ID: 0901812 EPA Id: CAD980636450	E OF ALAMEDA N OF SE	ESE 1/4 - 1/2 (0.309 mi.)	39	238

EXECUTIVE SUMMARY

Federal RCRA CORRACTS facilities list

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 03/22/2021 has revealed that there are 5 CORRACTS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TESORO REF & MKTG CO EPA ID:: CAT000646331	***23208 S ALAMEDA***	***N 1/8 - 1/4 (0.139 mi.)***	***C29***	***160***
TESORO CARSON REFINE EPA ID:: CAD077227049	***1801 SEPULVEDA BLVD***	***WSW 1/2 - 1 (0.507 mi.)***	***H46***	***284***
PHILLIPS 66 LOS ANGE EPA ID:: CAD980881676	***1520 E SEPULVEDA BLV***	***SW 1/2 - 1 (0.794 mi.)***	***L62***	***654***
STAUFFER MANAGEMENT EPA ID:: CAD076941103	***2112 EAST 223RD STRE***	***NNW 1/2 - 1 (0.853 mi.)***	***N68***	***1018***
SOLUTIA INC. CARSON EPA ID:: CAD043555366	***2100 EAST 223RD STRE***	***NNW 1/2 - 1 (0.855 mi.)***	***O70***	***1087***

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRA-TSDF list, as provided by EDR, and dated 03/22/2021 has revealed that there is 1 RCRA-TSDF site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TESORO REF & MKTG CO EPA ID:: CAT000646331	***23208 S ALAMEDA***	***N 1/8 - 1/4 (0.139 mi.)***	***C29***	***160***

Federal RCRA generators list

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 03/22/2021 has revealed that there are 3

RCRA-LQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MONTROSE CHEMICAL CO EPA ID:: CAD008242711	***20201 S NORMANDIE AV***	***E 0 - 1/8 (0.027 mi.)***	***0***	***48***
AIR PRODUCTS AND CHE EPA ID:: CAR000056135	23300 S. ALAMEDA STR	WNW 0 - 1/8 (0.001 mi.)	B19	113
TESORO REF & MKTG CO EPA ID:: CAT000646331	***23208 S ALAMEDA***	***N 1/8 - 1/4 (0.139 mi.)***	***C29***	***160***

Federal institutional controls / engineering controls registries

US ENG CONTROLS: A listing of sites with engineering controls in place.

A review of the US ENG CONTROLS list, as provided by EDR, and dated 05/17/2021 has revealed that there is 1 US ENG CONTROLS site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MONTROSE CHEMICAL CO EPA ID:: CAD008242711 EPA ID:: CAD008242711	***20201 S NORMANDIE AV***	***E 0 - 1/8 (0.027 mi.)***	***0***	***48***

US INST CONTROLS: A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

A review of the US INST CONTROLS list, as provided by EDR, and dated 05/17/2021 has revealed that there is 1 US INST CONTROLS site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MONTROSE CHEMICAL CO EPA ID:: CAD008242711	***20201 S NORMANDIE AV***	***E 0 - 1/8 (0.027 mi.)***	***0***	***48***

State- and tribal - equivalent NPL

RESPONSE: Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

A review of the RESPONSE list, as provided by EDR, has revealed that there are 3 RESPONSE sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MONSANTO CHEMICAL CO Database: RESPONSE, Date of Government Version: 04/23/2021 Status: Active	***2100 EAST 223RD STRE***	***NNW 1/2 - 1 (0.795 mi.)***	***64***	***957***

Facility Id: 19281200

MANVILLE PLANT ***2420 223RD ST E*** ***N 1/2 - 1 (0.852 mi.)*** ***M66*** ***1002***
Database: RESPONSE, Date of Government Version: 04/23/2021
Status: Certified O&M - Land Use Restrictions Only
Facility Id: 19320001

STAUFFER MANAGEMENT ***2201_E_223RD ST OFF*** ***NNW 1/2 - 1 (0.857 mi.)*** ***N71*** ***1116***
Database: RESPONSE, Date of Government Version: 04/23/2021
Status: Active
Facility Id: 19280083

State- and tribal - equivalent CERCLIS

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 04/23/2021 has revealed that there are 19 ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TESORO REFINING & MA Facility Id: 80001817 Status: Inactive - Action Required	***23208 S ALAMEDA ST***	***N 1/8 - 1/4 (0.139 mi.)***	***C27***	***155***
WATSON CARBON & CHEM Facility Id: 19280751 Status: Refer: Other Agency	2021 EAST SEPULVEDA	S 1/4 - 1/2 (0.253 mi.)	D34	229
WILMINGTON CLASS & H Facility Id: 80000531 Status: Inactive - Needs Evaluation		E 1/4 - 1/2 (0.285 mi.)	E37	235
ALAMEDA ST SAN LDFL Facility Id: 60001198 Status: Inactive - Needs Evaluation	***22700 S ALAMEDA ST***	***N 1/4 - 1/2 (0.483 mi.)***	***G43***	***258***
BP WEST COAST PRODUC Facility Id: 80001685 Status: Refer: RWQCB	1801 E SEPULVEDA BLV	WSW 1/2 - 1 (0.507 mi.)	H47	450
ARCO PETROLEUM PRODU Facility Id: 19290015 Status: Refer: RCRA	***1801 EAST SEPULVEDA***	***WSW 1/2 - 1 (0.507 mi.)***	***H49***	***479***
KMEP CARSON TERMINAL Facility Id: 71002322 Status: Refer: Other Agency	***2000 E. SEPULVEDA BL***	***S 1/2 - 1 (0.546 mi.)***	***I52***	***594***
WILMINGTON REFINERY	1622 EAST SEPULVEDA	WSW 1/2 - 1 (0.605 mi.)	J55	608

Facility Id: 19290284
Status: Refer: Other Agency

LAGUNA DOM OIL SF PL Facility Id: 80000184 Status: Inactive - Needs Evaluation		S 1/2 - 1 (0.748 mi.)	K57	610
MATLACK, INC. Facility Id: 71002109 Status: Refer: Other Agency	***22422 S. ALAMEDA***	***NNE 1/2 - 1 (0.756 mi.)***	***58***	***611***
L.A. ORDNANCE DEPOT Facility Id: 80001029 Status: Inactive - Needs Evaluation		S 1/2 - 1 (0.757 mi.)	K59	614
MANUEL WAREHOUSE Facility Id: 80001099 Status: Inactive - Needs Evaluation		S 1/2 - 1 (0.761 mi.)	K60	615
PHILLIPS 66 COMPANY, Facility Id: 80001752 Status: Refer: RWQCB	***1520 E SEPULVEDA BLV***	***SW 1/2 - 1 (0.794 mi.)***	***L63***	***901***
MONSANTO CHEMICAL CO Facility Id: 19281200 Status: Active	***2100 EAST 223RD STRE***	***NNW 1/2 - 1 (0.795 mi.)***	***64***	***957***
MANVILLE PLANT Facility Id: 19320001 Status: Certified O&M - Land Use Restrictions Only	***2420 223RD ST E***	***N 1/2 - 1 (0.852 mi.)***	***M66***	***1002***
COONS TRUST PROPERTY Facility Id: 70000172 Status: Certified O&M - Land Use Restrictions Only	***2254 E. 223RD STREET***	***NNW 1/2 - 1 (0.853 mi.)***	***N67***	***1010***
STAUFFER MANAGEMENT Facility Id: 80001681 Status: Inactive - Needs Evaluation	***2112 EAST 223RD STRE***	***NNW 1/2 - 1 (0.853 mi.)***	***N68***	***1018***
MONSANTO CHEMICAL CO Facility Id: 80001380 Status: Inactive - Needs Evaluation	***2100 E 223RD ST***	***NNW 1/2 - 1 (0.855 mi.)***	***O69***	***1071***
STAUFFER MANAGEMENT Facility Id: 19280083 Status: Active	***2201_E_223RD ST OFF***	***NNW 1/2 - 1 (0.857 mi.)***	***N71***	***1116***

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the LUST list, as provided by EDR, has revealed that there are 2 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ARCO (CARSON TERMINA Database: LUST REG 4, Date of Government Version: 09/07/2004	***2149 SEPULVEDA***	***SSE 0 - 1/8 (0.027 mi.)***	***23***	***132***

Facility Id: R-13337
Status: Pollution Characterization
Global ID: T0603705191

Lower Elevation	Address	Direction / Distance	Map ID	Page
ARCO CREDIT UNION	***1907 SEPULVEDA BLVD***	***S 1/4 - 1/2 (0.254 mi.)***	***D35***	***231***

Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 06/03/2021
Status: Completed - Case Closed
Facility Id: I-15338
Status: Leak being confirmed
Global Id: T0603704294
Global ID: T0603704294

CPS-SLIC: Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the CPS-SLIC list, as provided by EDR, has revealed that there are 6 CPS-SLIC sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ACTA SOUTH - PARCEL	***ALAMEDA ST***	***SW 1/8 - 1/4 (0.202 mi.)***	***30***	***225***

Database: CPS-SLIC, Date of Government Version: 06/03/2021
Facility Status: Completed - Case Closed
Global Id: SL0603779405

ARCO - CARSON TERMIN	2149 SEPULVEDA	SSE 1/8 - 1/4 (0.250 mi.)	33	229

Database: SLIC REG 4, Date of Government Version: 11/17/2004
Facility Status: Inactive

ARCO REFINERY	1801 SEPULVEDA	WSW 1/4 - 1/2 (0.353 mi.)	40	239

Database: SLIC REG 4, Date of Government Version: 11/17/2004
Facility Status: Remediation

CHEMOIL TERMINALS CO	***2365 E SEPULVEDA BLV***	***SE 1/4 - 1/2 (0.416 mi.)***	***F41***	***240***

Database: CPS-SLIC, Date of Government Version: 06/03/2021
Facility Status: Open - Site Assessment
Global Id: SL374472460

WATSON LAND CO. - BL	2222 SEPULVEDA	SE 1/4 - 1/2 (0.421 mi.)	F42	258

Database: SLIC REG 4, Date of Government Version: 11/17/2004
Facility Status: No further action required

Lower Elevation	Address	Direction / Distance	Map ID	Page
ACTA SOUTH - PARCEL	***S. ALAMEDA ST.***	***N 1/8 - 1/4 (0.220 mi.)***	***32***	***228***

Database: CPS-SLIC, Date of Government Version: 06/03/2021
Facility Status: Completed - Case Closed
Global Id: SL0603723245

State and tribal registered storage tank lists

AST: A listing of aboveground storage tank petroleum storage tank locations.

A review of the AST list, as provided by EDR, has revealed that there are 4 AST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
AIR PRODUCTS AND CHE Database: AST, Date of Government Version: 07/06/2016	23300 SOUTH ALAMEDA	WNW 0 - 1/8 (0.001 mi.)	B20	117
Not reported Database: AST, Date of Government Version: 07/06/2016	23300 S ALAMEDA ST	WNW 0 - 1/8 (0.001 mi.)	B22	131
Not reported Database: AST, Date of Government Version: 07/06/2016	23208 S ALAMEDA ST	N 1/8 - 1/4 (0.139 mi.)	C25	134
TESORO REFINING AND Database: AST, Date of Government Version: 07/06/2016	***23208 S ALAMEDA ST***	***N 1/8 - 1/4 (0.139 mi.)***	***C26***	***134***

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: The Waste Management Unit Database System is used for program tracking and inventory of waste management units. The source is the State Water Resources Control Board.

A review of the WMUDS/SWAT list, as provided by EDR, and dated 04/01/2000 has revealed that there is 1 WMUDS/SWAT site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HARGROVE	NE OF SEPULVEDA & AL	SSW 1/8 - 1/4 (0.208 mi.)	31	227

Local Lists of Hazardous waste / Contaminated Sites

HIST Cal-Sites: Formerly known as ASPIS, this database contains both known and potential hazardous substance sites. The source is the California Department of Toxic Substance Control. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

A review of the HIST Cal-Sites list, as provided by EDR, and dated 08/08/2005 has revealed that there are 3 HIST Cal-Sites sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MANVILLE CORPORATION	***2420 EAST 223RD STRE***	***N 1/2 - 1 (0.852 mi.)***	***M65***	***996***
STAUFFER MANAGEMENT	***2112 EAST 223RD STRE***	***NNW 1/2 - 1 (0.853 mi.)***	***N68***	***1018***
MONSANTO CHEMICAL CO	***2100 E 223RD ST***	***NNW 1/2 - 1 (0.855 mi.)***	***O69***	***1071***

CERS HAZ WASTE: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

A review of the CERS HAZ WASTE list, as provided by EDR, and dated 04/19/2021 has revealed that there are 2 CERS HAZ WASTE sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
AIR PRODUCTS AND CHE	*23300 S ALAMEDA ST*	*WNW 0 - 1/8 (0.001 mi.)*	*B21*	*117*
TESORO REFINING AND	*23208 S ALAMEDA ST*	*N 1/8 - 1/4 (0.139 mi.)*	*C26*	*134*

Toxic Pits: The Toxic Pits Cleanup Act Sites database identifies sites suspected of containing hazardous substances where cleanup has not yet been completed. The data come from the State Water Resources Control Board.

A review of the Toxic Pits list, as provided by EDR, and dated 07/01/1995 has revealed that there is 1 Toxic Pits site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CARSON TERMINAL Closure Date: 08/01/91 Task #: 84021 Status: CLOSED	*2000 EAST SEPULVEDA*	*S 1/2 - 1 (0.546 mi.)*	*I50*	*494*

Local Lists of Registered Storage Tanks

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 2 HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TESORO REFINING AND Facility Id: 00000066990	*23208 S ALAMEDA ST*	*N 1/8 - 1/4 (0.139 mi.)*	*C26*	*134*
EQUILON ENTERPRISES,	*23208 S ALAMEDA ST*	*N 1/8 - 1/4 (0.139 mi.)*	*C28*	*157*

CERS TANKS: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

A review of the CERS TANKS list, as provided by EDR, and dated 04/19/2021 has revealed that there are 2 CERS TANKS sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
AIR PRODUCTS AND CHE	*23300 S ALAMEDA ST*	*WNW 0 - 1/8 (0.001 mi.)*	*B21*	*117*
TESORO REFINING AND	*23208 S ALAMEDA ST*	*N 1/8 - 1/4 (0.139 mi.)*	*C26*	*134*

Other Ascertainable Records

FUDS: The Listing includes locations of Formerly Used Defense Sites Properties where the US Army Corps Of Engineers is actively working or will take necessary cleanup actions.

A review of the FUDS list, as provided by EDR, and dated 05/04/2021 has revealed that there are 2 FUDS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WILMINGTON CLA & HOL		E 1/4 - 1/2 (0.285 mi.)	E38	236
LAGUNA DOMINGEZ OIL		S 1/2 - 1 (0.748 mi.)	K56	609

ROD: Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid the cleanup.

A review of the ROD list, as provided by EDR, and dated 07/29/2021 has revealed that there is 1 ROD site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MONTROSE CHEMICAL CO EPA ID:: CAD008242711	***20201 S NORMANDIE AV***	***E 0 - 1/8 (0.027 mi.)***	***0***	***48***

CONSENT: Major Legal settlements that establish responsibility and standards for cleanup at NPL (superfund) sites. Released periodically by U.S. District Courts after settlement by parties to litigation matters.

A review of the CONSENT list, as provided by EDR, and dated 06/30/2021 has revealed that there is 1 CONSENT site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MONTROSE CHEMICAL CO	***20201 S NORMANDIE AV***	***E 0 - 1/8 (0.027 mi.)***	***0***	***48***

UXO: A listing of unexploded ordnance site locations

A review of the UXO list, as provided by EDR, and dated 12/31/2018 has revealed that there is 1 UXO site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WILMINGTON CLASS&YAR		E 1/4 - 1/2 (0.285 mi.)	E36	235

CA BOND EXP. PLAN: Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

A review of the CA BOND EXP. PLAN list, as provided by EDR, and dated 01/01/1989 has revealed that there is 1 CA BOND EXP. PLAN site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MANVILLE CORPORATION	***2420 EAST 223RD STRE***	***N 1/2 - 1 (0.852 mi.)***	***M65***	***996***

Cortese: The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

A review of the Cortese list, as provided by EDR, and dated 03/22/2021 has revealed that there is 1 Cortese site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
ARCO CREDIT UNION	***1907 SEPULVEDA BLVD***	***S 1/4 - 1/2 (0.254 mi.)***	***D35***	***231***
Cleanup Status: COMPLETED - CASE CLOSED				

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 2 HIST CORTESE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ARCO (CARSON TERMINA	***2149 SEPULVEDA***	***SSE 0 - 1/8 (0.027 mi.)***	***23***	***132***
Reg Id: R-13337				

Lower Elevation	Address	Direction / Distance	Map ID	Page
ARCO CREDIT UNION	***1907 SEPULVEDA BLVD***	***S 1/4 - 1/2 (0.254 mi.)***	***D35***	***231***
Reg Id: I-15338				

HWP: Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

A review of the HWP list, as provided by EDR, and dated 05/14/2021 has revealed that there are 7 HWP sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TESORO REFINING AND	***23208 S ALAMEDA ST***	***N 1/8 - 1/4 (0.139 mi.)***	***C26***	***134***
EPA ID: CAT000646331				
Cleanup Status: CLOSED				
PHILIP WEST INDUSTRI	***2222 E SEPULVEDA***	***SE 1/2 - 1 (0.501 mi.)***	***45***	***262***
EPA ID: CAD981685886				
Cleanup Status: CLOSED				
TESORO CARSON REFINE	***1801 E SEPULVEDA BLV***	***WSW 1/2 - 1 (0.507 mi.)***	***H48***	***452***
EPA ID: CAD077227049				
Cleanup Status: POST CLOSURE PERMIT				
TORRANCE LOGISTICS C	***2000 E. SEPULVEDA BL***	***S 1/2 - 1 (0.546 mi.)***	***I51***	***564***
EPA ID: CAD010715837				
Cleanup Status: CLOSED				
SGS INDUSTRIAL	***1520 E SEPULVEDA***	***SW 1/2 - 1 (0.794 mi.)***	***L61***	***616***
EPA ID: CAD980881676				
Cleanup Status: POST CLOSURE PERMIT				
STAUFFER MANAGEMENT	***2112 EAST 223RD STRE***	***NNW 1/2 - 1 (0.853 mi.)***	***N68***	***1018***

EPA ID: CAD076941103
Cleanup Status: UNDERGOING CLOSURE

SOLUTIA INC. CARSON ***2100 EAST 223RD STRE*** ***NNW 1/2 - 1 (0.855 mi.)*** ***O70*** ***1087***
EPA ID: CAD043555366
Cleanup Status: CLOSED

Notify 65: Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

A review of the Notify 65 list, as provided by EDR, and dated 03/12/2021 has revealed that there are 4 Notify 65 sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TEXACO	232000 S. ALAMEDA	NNW 0 - 1/8 (0.123 mi.)	24	133
WILMINGTON COMPLEX	1622 EAST SEPULVEDA	WSW 1/2 - 1 (0.605 mi.)	J53	607
SHELL OIL	1622 E. SEPULVEDA BL	WSW 1/2 - 1 (0.605 mi.)	J54	608

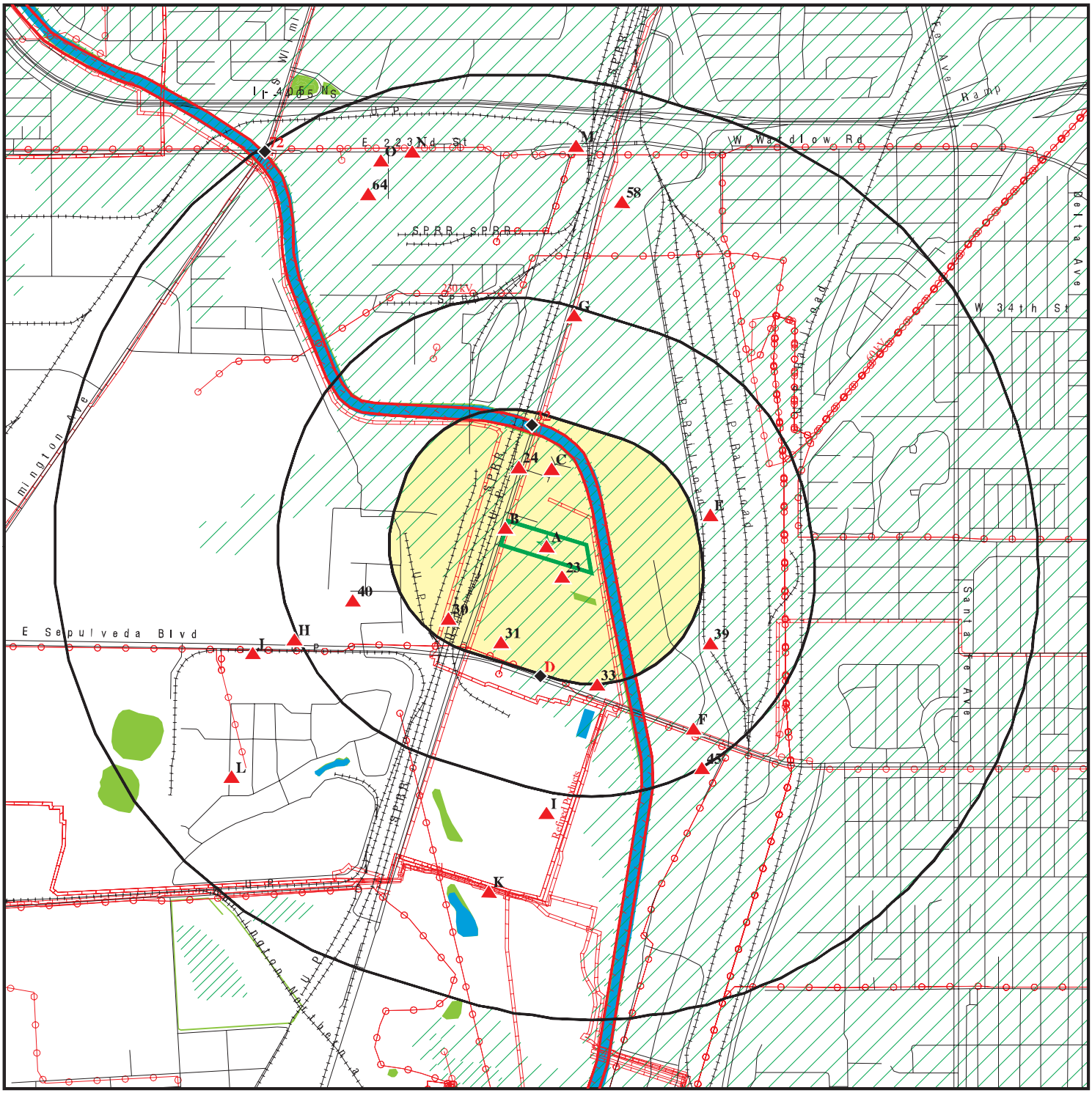
Lower Elevation	Address	Direction / Distance	Map ID	Page
223RD ST./DOMINGUEZ		NW 1/2 - 1 (0.988 mi.)	72	1159

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 15 records.

Site Name	Database(s)
MIGUS357006 G OFFSITE WELLS	CERS HAZ WASTE
23000 ALAMEDA STREET	CIWQS
GATX TERMIMALS CORP	LUST, HIST CORTESE
CARSON ALAMEDA STREET PUBLIC DUMP	FINDS
ACTA SOUTH - PARCEL SE-351	CPS-SLIC
ACTA SOUTH - PARCEL SE-352/353	CPS-SLIC
ACTA SOUTH - PARCEL SE-349	CPS-SLIC
ACTA SOUTH - PARCEL SE-362	CPS-SLIC
ACTA SOUTH - PARCEL SE-358	CPS-SLIC
CHEMOIL TANK FARM & TERMINAL	CPS-SLIC
SOUTHERN CALIFORNIA GAS COMPANY	CPS-SLIC
ORYX ENERGY CO.	CPS-SLIC
ACTA SOUTH - PARCEL SE-372	CPS-SLIC
TED HAMMETT (CARSON)	ENVIROSTOR
ALAMEDA STREET LANDFILL	RGA LF

OVERVIEW MAP - 6645854.2S

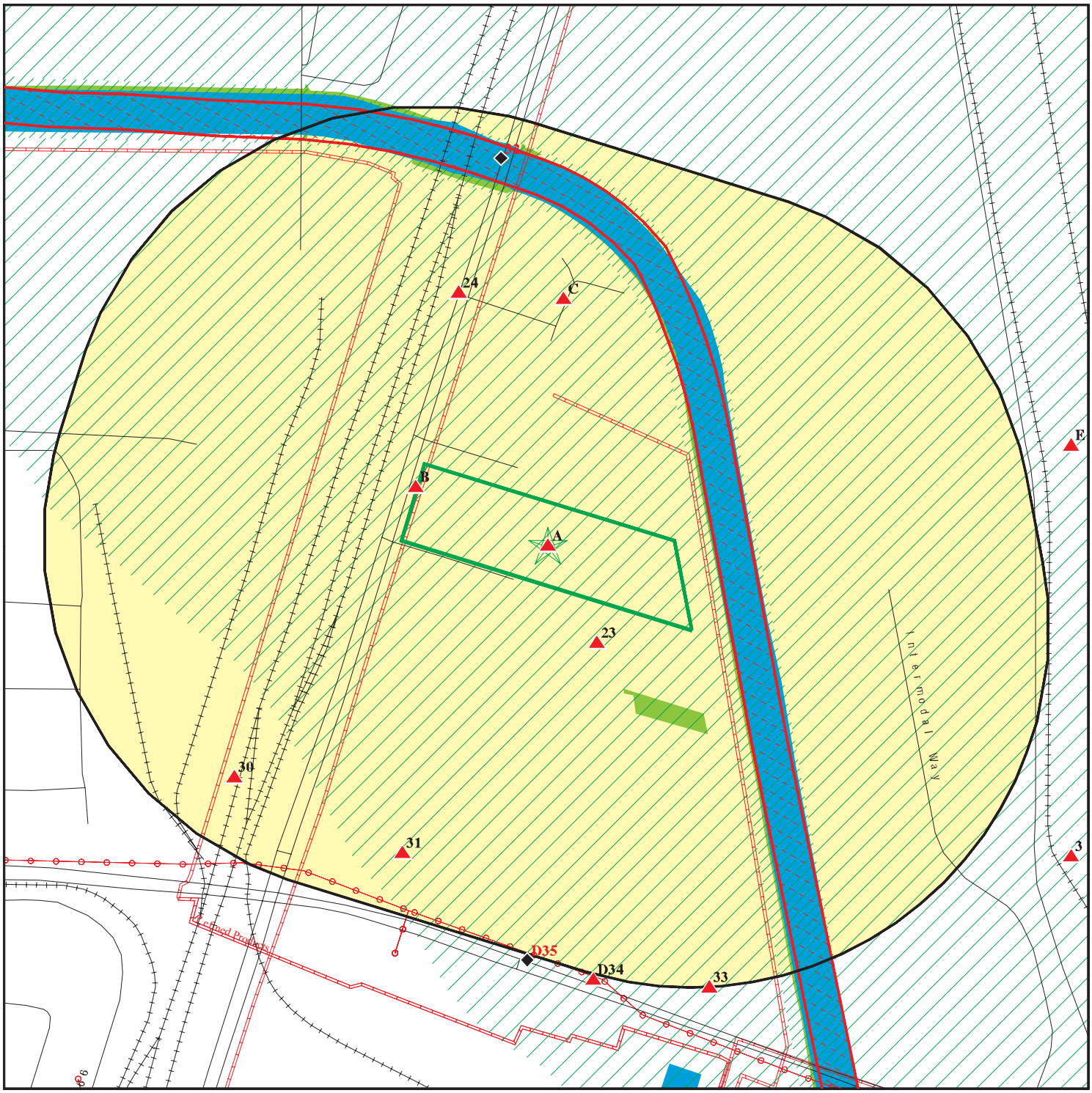


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 23320 Alameda Street	CLIENT: NV5
ADDRESS: 23320 Alameda Street Long Beach CA 90810	CONTACT: Bina Patel
LAT/LONG: 33.811482 / 118.231361	INQUIRY #: 6645854.2s DATE: September 02, 2021 11:19 am

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DETAIL MAP - 6645854.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Pipelines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 23320 Alameda Street	CLIENT: NV5
ADDRESS: 23320 Alameda Street Long Beach CA 90810	CONTACT: Bina Patel
LAT/LONG: 33.811482 / 118.231361	INQUIRY #: 6645854.2s DATE: September 02, 2021 11:22 am

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		1	0	0	0	NR	1
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		1	0	1	NR	NR	2
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500	1	0	1	1	NR	NR	3
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	1	0	4	NR	5
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	1	0	NR	NR	1
Federal RCRA generators list								
RCRA-LQG	0.250		2	1	NR	NR	NR	3
RCRA-SQG	0.250	1	0	0	NR	NR	NR	1
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		1	0	0	NR	NR	1
US INST CONTROLS	0.500		1	0	0	NR	NR	1
Federal ERNS list								
ERNS	0.001	1	0	NR	NR	NR	NR	1
State- and tribal - equivalent NPL								
RESPONSE	1.000		0	0	0	3	NR	3
State- and tribal - equivalent CERCLIS								
ENVIROSTOR	1.000	1	0	1	3	15	NR	20
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LUST	0.500	1	1	0	1	NR	NR	3

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500	2	0	3	3	NR	NR	8
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		2	2	NR	NR	NR	4
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500	1	0	1	0	NR	NR	2
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	0.001		0	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
AOCONCERN	1.000		0	0	0	0	NR	0
US HIST CDL	0.001		0	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	3	NR	3
SCH	0.250		0	0	NR	NR	NR	0
CDL	0.001		0	NR	NR	NR	NR	0
CERS HAZ WASTE	0.250		1	1	NR	NR	NR	2
Toxic Pits	1.000		0	0	0	1	NR	1
US CDL	0.001		0	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250	2	0	0	NR	NR	NR	2
HIST UST	0.250	2	0	2	NR	NR	NR	4
CA FID UST	0.250	1	0	0	NR	NR	NR	1
CERS TANKS	0.250		1	1	NR	NR	NR	2
Local Land Records								
LIENS	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LIENS 2	0.001		0	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
CHMIRS	0.001		0	NR	NR	NR	NR	0
LDS	0.001		0	NR	NR	NR	NR	0
MCS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250	1	0	0	NR	NR	NR	1
FUDS	1.000		0	0	1	1	NR	2
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		1	0	0	0	NR	1
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		1	NR	NR	NR	NR	1
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		1	NR	NR	NR	NR	1
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		1	0	0	0	NR	1
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001	1	1	NR	NR	NR	NR	2
UXO	1.000		0	0	1	0	NR	1
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
ECHO	0.001	1	0	NR	NR	NR	NR	1
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	1	NR	1
Cortese	0.500		0	0	1	NR	NR	1
CUPA Listings	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	0.001	1	0	NR	NR	NR	NR	1
ENF	0.001		0	NR	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
HAZNET	0.001	2	0	NR	NR	NR	NR	2
ICE	0.001		0	NR	NR	NR	NR	0
HIST CORTESE	0.500	1	1	0	1	NR	NR	3
LOS ANGELES CO. HMS	0.001	1	0	NR	NR	NR	NR	1
HWP	1.000		0	1	0	6	NR	7
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
PEST LIC	0.001		0	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		1	0	0	3	NR	4
LA Co. Site Mitigation	0.001		0	NR	NR	NR	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
UIC GEO	0.001		0	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	0.001		0	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	0.001		0	NR	NR	NR	NR	0
PROJECT	0.001		0	NR	NR	NR	NR	0
WDR	0.001		0	NR	NR	NR	NR	0
CIWQS	0.001	1	0	NR	NR	NR	NR	1
CERS	0.001	2	0	NR	NR	NR	NR	2
NON-CASE INFO	0.001		0	NR	NR	NR	NR	0
OTHER OIL GAS	0.001		0	NR	NR	NR	NR	0
PROD WATER PONDS	0.001		0	NR	NR	NR	NR	0
SAMPLING POINT	0.001		0	NR	NR	NR	NR	0
WELL STIM PROJ	0.001		0	NR	NR	NR	NR	0
MINES MRDS	0.001		0	NR	NR	NR	NR	0
HWTS	TP	4	NR	NR	NR	NR	NR	4
LOS ANGELES CO LF METHANE	0.500		0	0	0	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001	2	0	NR	NR	NR	NR	2

- Totals --	30	18	16	13	37	0	114

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 **AIR PRODUCTS AND CHEMICALS INC** **HIST UST** **S113179490**
Target **23320 S ALAMEDA ST** **HAZNET** **N/A**
Property **LONG BEACH, CA 90810** **HWTS**

Site 1 of 18 in cluster A

Actual:
21 ft.

HIST UST:

Name:	AIR PRODUCTS AND CHEMICALS IN
Address:	23320 SOUTH ALAMEDA STREET
City,State,Zip:	LONG BEACH, CA 90810
File Number:	000261F0
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000261F0.pdf
Region:	Not reported
Facility ID:	Not reported
Facility Type:	Not reported
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Total Tanks:	Not reported
Tank Num:	Not reported
Container Num:	Not reported
Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported

Click here for Geo Tracker PDF:

HAZNET:

Name:	AIR PRODUCTS AND CHEMICALS INC
Address:	23320 S ALAMEDA ST
Address 2:	Not reported
City,State,Zip:	LONG BEACH, CA 908101921
Contact:	SHELLY STUART
Telephone:	3105180430
Mailing Name:	Not reported
Mailing Address:	GEG ENV 7201 HAMILTON BLVD
Year:	1999
Gepaid:	CAT080010655
TSD EPA ID:	CAT080014079
CA Waste Code:	551 - Laboratory waste chemicals
Disposal Method:	H01 - Transfer Station
Tons:	0.094
Year:	1999
Gepaid:	CAT080010655
TSD EPA ID:	CAT080014079
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H01 - Transfer Station
Tons:	0.1125
Year:	1999

AIR PRODUCTS AND CHEMICALS INC (Continued) **S113179490**

Gepaid:	CAT080010655
TSD EPA ID:	CAT000646117
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	D80 - Disposal, Land Fill
Tons:	0.55
Year:	1999
Gepaid:	CAT080010655
TSD EPA ID:	CAT000646117
CA Waste Code:	352 - Other organic solids
Disposal Method:	D80 - Disposal, Land Fill
Tons:	15.1704
Year:	1999
Gepaid:	CAT080010655
TSD EPA ID:	CAD008302903
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	R01 - Recycler
Tons:	0.7365
Year:	1999
Gepaid:	CAT080010655
TSD EPA ID:	CAD008302903
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	-
Tons:	0.814
Year:	1999
Gepaid:	CAT080010655
TSD EPA ID:	CAD008302903
CA Waste Code:	352 - Other organic solids
Disposal Method:	-
Tons:	0.4
Year:	1997
Gepaid:	CAT080010655
TSD EPA ID:	CAT000646117
CA Waste Code:	611 - Contaminated soil from site clean-up
Disposal Method:	D80 - Disposal, Land Fill
Tons:	2.5
Year:	1995
Gepaid:	CAT080010655
TSD EPA ID:	CAT000646117
CA Waste Code:	611 - Contaminated soil from site clean-up
Disposal Method:	D80 - Disposal, Land Fill
Tons:	0.75
Year:	1994
Gepaid:	CAT080010655
TSD EPA ID:	CAT000646117
CA Waste Code:	611 - Contaminated soil from site clean-up
Disposal Method:	D80 - Disposal, Land Fill
Tons:	4.82

AIR PRODUCTS AND CHEMICALS INC (Continued) **S113179490**

Click this hyperlink while viewing on your computer to access
38 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year:	1999
Gen EPA ID:	CAT080010655
Shipment Date:	19991118
Creation Date:	1/19/2000 0:00:00
Receipt Date:	19991124
Manifest ID:	99332483
Trans EPA ID:	CAT000624247
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000646117
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	15.1704
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19991117
Creation Date:	1/19/2000 0:00:00
Receipt Date:	19991130
Manifest ID:	99332484
Trans EPA ID:	NJD080631369
Trans Name:	Not reported
Trans 2 EPA ID:	CAT000624247
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000646117
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.55
Waste Quantity:	1100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990824

AIR PRODUCTS AND CHEMICALS INC (Continued) **S113179490**

Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	98521482
Trans EPA ID:	NJD080631369
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080014079
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080014079
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0105
Waste Quantity:	21
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19990824
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	98521482
Trans EPA ID:	NJD080631369
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080014079
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080014079
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0095
Waste Quantity:	19
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19990824
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	98521482
Trans EPA ID:	NJD080631369
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080014079
Trans Name:	Not reported

AIR PRODUCTS AND CHEMICALS INC (Continued) **S113179490**

TSDF Alt EPA ID:	CAT080014079
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990824
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	98521482
Trans EPA ID:	NJD080631369
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080014079
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080014079
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.009
Waste Quantity:	18
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990824
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	98521482
Trans EPA ID:	NJD080631369
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080014079
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080014079
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.006
Waste Quantity:	12
Quantity Unit:	P
Additional Code 1:	Not reported

AIR PRODUCTS AND CHEMICALS INC (Continued) **S113179490**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990824
Creation Date:	10/26/1999 0:00:00
Receipt Date:	19990824
Manifest ID:	98521481
Trans EPA ID:	NJD080631369
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.154
Waste Quantity:	308
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990824
Creation Date:	10/26/1999 0:00:00
Receipt Date:	19990824
Manifest ID:	98521481
Trans EPA ID:	NJD080631369
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.5825
Waste Quantity:	1165
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990824
Creation Date:	10/26/1999 0:00:00
Receipt Date:	19990824
Manifest ID:	98521481

AIR PRODUCTS AND CHEMICALS INC (Continued) **S113179490**

Trans EPA ID:	NJD080631369
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.814
Waste Quantity:	1628
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1997
Gen EPA ID:	CAT080010655
Shipment Date:	19971030
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19971103
Manifest ID:	96671482
Trans EPA ID:	NJD080631369
Trans Name:	Not reported
Trans 2 EPA ID:	CAT000624247
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000646117
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	2.5
Waste Quantity:	5000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1994
Gen EPA ID:	CAT080010655
Shipment Date:	19940614
Creation Date:	3/26/1996 0:00:00
Receipt Date:	19940616
Manifest ID:	93312762

AIR PRODUCTS AND CHEMICALS INC (Continued) **S113179490**

Trans EPA ID:	ILD099202681
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000646117
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	4.82
Waste Quantity:	9640
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19940106
Creation Date:	9/15/1995 0:00:00
Receipt Date:	19940111
Manifest ID:	92745494
Trans EPA ID:	CAD000057760
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD050806850
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1993
Gen EPA ID:	CAT080010655

Shipment Date:	19931104
Creation Date:	9/12/1995 0:00:00
Receipt Date:	Not reported
Manifest ID:	92745371
Trans EPA ID:	CAD000057760
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850

AIR PRODUCTS AND CHEMICALS INC (Continued) **S113179490**

Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D001
Meth Code:	- Not reported
Quantity Tons:	0.225
Waste Quantity:	450
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930524
Creation Date:	9/7/1995 0:00:00
Receipt Date:	Not reported
Manifest ID:	92746221
Trans EPA ID:	CAD000057760
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	D001
Meth Code:	- Not reported
Quantity Tons:	1.47
Waste Quantity:	350
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930524
Creation Date:	9/7/1995 0:00:00
Receipt Date:	Not reported
Manifest ID:	92746221
Trans EPA ID:	CAD000057760
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.75
Waste Quantity:	1500
Quantity Unit:	P

AIR PRODUCTS AND CHEMICALS INC (Continued) **S113179490**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930524
Creation Date:	9/7/1995 0:00:00
Receipt Date:	Not reported
Manifest ID:	92746221
Trans EPA ID:	CAD000057760
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930524
Creation Date:	9/7/1995 0:00:00
Receipt Date:	Not reported
Manifest ID:	92746221
Trans EPA ID:	CAD000057760
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	1.68
Waste Quantity:	400
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930521
Creation Date:	9/7/1995 0:00:00
Receipt Date:	Not reported

AIR PRODUCTS AND CHEMICALS INC (Continued) **S113179490**

Manifest ID:	90036181
Trans EPA ID:	CAD008302903
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	12.05
Waste Quantity:	24100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19930521
Creation Date:	9/7/1995 0:00:00
Receipt Date:	Not reported
Manifest ID:	90036181
Trans EPA ID:	CAD008302903
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	4.1305
Waste Quantity:	8261
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19930513
Creation Date:	9/8/1995 0:00:00
Receipt Date:	19930513
Manifest ID:	92783592
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported

AIR PRODUCTS AND CHEMICALS INC (Continued) **S113179490**

Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	4.17
Waste Quantity:	1000
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930506
Creation Date:	9/1/1995 0:00:00
Receipt Date:	Not reported
Manifest ID:	92783391
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	1.05
Waste Quantity:	250
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930420
Creation Date:	9/7/1995 0:00:00
Receipt Date:	19930428
Manifest ID:	92782656
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	CAD982440364
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000646117
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.85
Waste Quantity:	1700
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

AIR PRODUCTS AND CHEMICALS INC (Continued) **S113179490**

Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1995
Gen EPA ID:	CAT080010655
Shipment Date:	19950216
Creation Date:	3/29/1996 0:00:00
Receipt Date:	19950224
Manifest ID:	93594483
Trans EPA ID:	ILD099202681
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000646117
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.75
Waste Quantity:	1500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	AIR PRODUCTS AND CHEMICALS INC
Address:	23320 S ALAMEDA ST
Address 2:	Not reported
City,State,Zip:	LONG BEACH, CA 908101921
EPA ID:	CAT080010655
Inactive Date:	06/30/2000
Create Date:	07/23/1982
Last Act Date:	02/08/2005
Mailing Name:	Not reported
Mailing Address:	GEG ENV 7201 HAMILTON BLVD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	ALLENTOWN, PA 181951921
Owner Name:	AIR PRODUCTS AND CHEMICALS INC
Owner Address:	7201 HAMILTON BOULEVARD
Owner Address 2:	Not reported
Owner City,State,Zip:	ALLENTOWN, PA 181951501
Contact Name:	SHELLY STUART
Contact Address:	INACTIVE PER VQ00 - BMI
Contact Address 2:	Not reported
City,State,Zip:	CARSON, CA 908101921

NAICS:

EPA ID:	CAT080010655
Create Date:	2002-03-14 16:36:30.000
NAICS Code:	32512

AIR PRODUCTS AND CHEMICALS INC (Continued) **S113179490**

NAICS Description:	Industrial Gas Manufacturing
Issued EPA ID Date:	1982-07-23 00:00:00
Inactive Date:	2000-06-30 00:00:00
Facility Name:	AIR PRODUCTS AND CHEMICALS INC
Facility Address:	23320 S ALAMEDA ST
Facility Address 2:	Not reported
Facility City:	LONG BEACH
Facility County:	Not reported
Facility State:	CA
Facility Zip:	908101921

A2 Target Property **SOUTHERN CALIFORNIA EDISON**
23320 S ALAMEDA
CARSON, CA 90745

HWTS **S124618417**
N/A

Site 2 of 18 in cluster A

Actual: 21 ft.

HWTS:

Name:	SOUTHERN CALIFORNIA EDISON
Address:	23320 S ALAMEDA
Address 2:	Not reported
City,State,Zip:	CARSON, CA 90745
EPA ID:	CAC002727571
Inactive Date:	07/23/2013
Create Date:	04/23/2013
Last Act Date:	07/24/2013
Mailing Name:	Not reported
Mailing Address:	PO BOX 800
Mailing Address 2:	Not reported
Mailing City,State,Zip:	ROSEMEAD, CA 91770
Owner Name:	SOUTHERN CALIFORNIA EDISON
Owner Address:	PO BOX 800
Owner Address 2:	Not reported
Owner City,State,Zip:	ROSEMEAD, CA 91770
Contact Name:	JOHN AMOTT
Contact Address:	501 S MARENGO AVE
Contact Address 2:	Not reported
City,State,Zip:	ALHAMBRA, CA 918031640

NAICS:

EPA ID:	CAC002727571
Create Date:	2013-04-23 11:24:10.093
NAICS Code:	221122
NAICS Description:	Electric Power Distribution
Issued EPA ID Date:	2013-04-23 11:24:10.11000
Inactive Date:	2013-07-23 11:24:10.09000
Facility Name:	SOUTHERN CALIFORNIA EDISON
Facility Address:	23320 S ALAMEDA
Facility Address 2:	Not reported
Facility City:	CARSON
Facility County:	Not reported
Facility State:	CA
Facility Zip:	90745

A3 Target Property — **AIR PRODUCTS AND CHEMICALS, IN**, **23320 S ALAMEDA ST**, **LONG BEACH, CA 90810**

SWEEPS UST **U001566212**
HIST UST **N/A**
EMI

Site 3 of 18 in cluster A

Actual: 21 ft.

SWEEPS UST:

Name:	AIR PRODUCTS AND CHEMICALS, IN
Address:	23320 S ALAMEDA ST
City:	LONG BEACH
Status:	Active
Comp Number:	3098
Number:	9
Board Of Equalization:	44-010982
Referral Date:	07-01-85
Action Date:	Not reported
Created Date:	02-29-88
Owner Tank Id:	28 91
SWRCB Tank Id:	19-060-003098-000001
Tank Status:	A
Capacity:	500
Active Date:	07-01-85
Tank Use:	M.V. FUEL
STG:	P
Content:	DIESEL
Number Of Tanks:	5

Name:	AIR PRODUCTS AND CHEMICALS, IN
Address:	23320 S ALAMEDA ST
City:	LONG BEACH
Status:	Active
Comp Number:	3098
Number:	9
Board Of Equalization:	44-010982
Referral Date:	07-01-85
Action Date:	Not reported
Created Date:	02-29-88
Owner Tank Id:	28 7
SWRCB Tank Id:	19-060-003098-000002
Tank Status:	A
Capacity:	6000
Active Date:	07-01-85
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

Name:	AIR PRODUCTS AND CHEMICALS, IN
Address:	23320 S ALAMEDA ST
City:	LONG BEACH
Status:	Active
Comp Number:	3098
Number:	9
Board Of Equalization:	44-010982
Referral Date:	07-01-85
Action Date:	Not reported
Created Date:	02-29-88
Owner Tank Id:	28 5
SWRCB Tank Id:	19-060-003098-000003

AIR PRODUCTS AND CHEMICALS, IN (Continued) **U001566212**

Tank Status: A
Capacity: 2000
Active Date: 07-01-85
Tank Use: OIL
STG: W
Content: WASTE OIL
Number Of Tanks: Not reported

Name: AIR PRODUCTS AND CHEMICALS, IN
Address: 23320 S ALAMEDA ST
City: LONG BEACH
Status: Active
Comp Number: 3098
Number: 9
Board Of Equalization: 44-010982
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: LB-IGD-1
SWRCB Tank Id: 19-060-003098-000004
Tank Status: A
Capacity: 3000
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Name: AIR PRODUCTS AND CHEMICALS, IN
Address: 23320 S ALAMEDA ST
City: LONG BEACH
Status: Active
Comp Number: 3098
Number: 9
Board Of Equalization: 44-010982
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: LB-IGD-2
SWRCB Tank Id: 19-060-003098-000005
Tank Status: A
Capacity: 10000
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

HIST UST:
Name: AIR PRODUCTS AND CHEMICALS, IN
Address: 23320 S ALAMEDA ST
City,State,Zip: LONG BEACH, CA 90810
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000003098
Facility Type: Other

AIR PRODUCTS AND CHEMICALS, IN (Continued) **U001566212**

Other Type:	INDUSTRIAL GASES
Contact Name:	MR. RONALD 6. SHADMAN
Telephone:	2138305231
Owner Name:	AIR PRODUCTS AND CHEMICALS, IN
Owner Address:	BOX 538
Owner City,St,Zip:	ALLENTOWN, PA 18105
Total Tanks:	0005
Tank Num:	001
Container Num:	28 91
Year Installed:	1962
Tank Capacity:	00000500
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	3/16
Leak Detection:	Stock Inventor, 10
Tank Num:	002
Container Num:	28 7
Year Installed:	1962
Tank Capacity:	00006000
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	5/16
Leak Detection:	None
Tank Num:	003
Container Num:	28 5
Year Installed:	1962
Tank Capacity:	00002000
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	3/16
Leak Detection:	None
Tank Num:	004
Container Num:	LB-IGD-1
Year Installed:	1974
Tank Capacity:	00003000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, 10
Tank Num:	005
Container Num:	LB-IGD-2
Year Installed:	1974
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, 10

EMI:

Name:	AIR PROD & CHEM INC
Address:	23320 S ALAMEDA ST
City,State,Zip:	LONG BEACH, CA 90810

AIR PRODUCTS AND CHEMICALS, IN (Continued) **U001566212**

Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	3417
Air District Name:	SC
SIC Code:	3823
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

A4 **TESORO LOGISTICS OPERATIONS LLC** **HWTS** **S124721337**
Target **23320 S. ALAMEDA STREET** **N/A**
Property **CARSON, CA 90745**

Site 4 of 18 in cluster A

Actual:
21 ft.

HWTS:

Name:	TESORO LOGISTICS OPERATIONS LLC
Address:	23320 S. ALAMEDA STREET
Address 2:	Not reported
City,State,Zip:	CARSON, CA 90745
EPA ID:	CAC003003608
Inactive Date:	05/31/2019
Create Date:	03/01/2019
Last Act Date:	07/29/2020
Mailing Name:	Not reported
Mailing Address:	5905 PARAMOUNT BLVD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	LONG BEACH, CA 90805
Owner Name:	TESORO LOGISTICS OPERATIONS LLC
Owner Address:	5905 PARAMOUNT BLVD
Owner Address 2:	Not reported
Owner City,State,Zip:	LONG BEACH, CA 90805
Contact Name:	LUCINA LOPEZ
Contact Address:	5905 PARAMOUNT BLVD
Contact Address 2:	Not reported
City,State,Zip:	LONG BEACH, CA 90805

NAICS:

EPA ID:	CAC003003608
Create Date:	2019-03-01 13:51:24.650
NAICS Code:	561520
NAICS Description:	Tour Operators
Issued EPA ID Date:	2019-03-01 13:51:24.65000
Inactive Date:	2019-05-31 13:51:24.65000
Facility Name:	TESORO LOGISTICS OPERATIONS LLC
Facility Address:	23320 S. ALAMEDA STREET
Facility Address 2:	Not reported
Facility City:	CARSON
Facility County:	Not reported
Facility State:	CA

TESORO LOGISTICS OPERATIONS LLC (Continued) **S124721337**

Facility Zip: 90745

A5 Target Property **TESORO LOGISTICS OPERATIONS LLC**
23320 S. ALAMEDA STREET
CARSON, CA 90745

ECHO **1025498482**
N/A

Site 5 of 18 in cluster A

Actual: 21 ft.

ECHO:

Envid:	1025498482
Registry ID:	110070583299
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110070583299
Name:	TESORO LOGISTICS OPERATIONS LLC
Address:	23320 S. ALAMEDA STREET
City,State,Zip:	CARSON, CA 90745

A6 Target Property **TESORO LOGISTICS OPERATIONS LLC**
23320 S. ALAMEDA STREET
CARSON, CA 90745

HAZNET HWTS **S124736722**
N/A

Site 6 of 18 in cluster A

Actual: 21 ft.

HAZNET:

Name:	TESORO LOGISTICS OPERATIONS LLC
Address:	23320 S. ALAMEDA STREET
Address 2:	Not reported
City,State,Zip:	CARSON, CA 90813
Contact:	DONNA DIROCCO
Telephone:	5624992202
Mailing Name:	Not reported
Mailing Address:	1300 PIER B STREET
Year:	2019
Gepaid:	CAC003003608
TSD EPA ID:	AZD081705402
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.35000
Year:	2019
Gepaid:	CAC003019368
TSD EPA ID:	CAD028409019
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.75000
Year:	2019
Gepaid:	CAC003019368
TSD EPA ID:	CAD028409019
CA Waste Code:	151 - Asbestos containing waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.20000

TESORO LOGISTICS OPERATIONS LLC (Continued) **S124736722**

HWTS:

Name:	TESORO LOGISTICS OPERATIONS LLC
Address:	23320 S. ALAMEDA STREET
Address 2:	Not reported
City,State,Zip:	CARSON, CA 90745
EPA ID:	CAC003019368
Inactive Date:	09/11/2019
Create Date:	06/12/2019
Last Act Date:	07/29/2020
Mailing Name:	Not reported
Mailing Address:	5905 PARAMOUNT BLVD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	LONG BEACH, CA 90805
Owner Name:	TESORO LOGISTICS OPERATIONS LLC
Owner Address:	5905 PARAMOUNT BLVD
Owner Address 2:	Not reported
Owner City,State,Zip:	LONG BEACH, CA 90805
Contact Name:	LUCINA LOPEZ
Contact Address:	5905 PARAMOUNT BLVD
Contact Address 2:	Not reported
City,State,Zip:	LONG BEACH, CA 90805

NAICS:

EPA ID:	CAC003019368
Create Date:	2019-06-12 11:21:40.857
NAICS Code:	48611
NAICS Description:	Pipeline Transportation of Crude Oil
Issued EPA ID Date:	2019-06-12 11:21:40.85700
Inactive Date:	2019-09-11 11:21:40.84000
Facility Name:	TESORO LOGISTICS OPERATIONS LLC
Facility Address:	23320 S. ALAMEDA STREET
Facility Address 2:	Not reported
Facility City:	CARSON
Facility County:	Not reported
Facility State:	CA
Facility Zip:	90745

A7 **AIR PRODUCTS & CHEMICALSNA INC.** **FINDS** **1023224641**
Target **23320 ALAMEDA ST S** **N/A**
Property **CARSON, CA 90810**

Site 7 of 18 in cluster A

Actual:
21 ft.

FINDS:
Registry ID: 110065112087

Click Here:

Environmental Interest/Information System:
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

A8 **23320 SOUTH ALAMEDA ST** **CIWQS** **S121614684**
Target **23320 S ALAMEDA ST** **N/A**
Property **LONG BEACH, CA 90810**

Site 8 of 18 in cluster A

Actual: **21 ft.**

CIWQS:

Name:	23320 SOUTH ALAMEDA ST
Address:	23320 S ALAMEDA ST
City,State,Zip:	LONG BEACH, CA 90810
Agency:	Air Products AND cHEMICALS
Agency Address:	1515 Norman Avenue, Santa Clara , CA 90744
Place/Project Type:	Construction - Industrial
SIC/NAICS:	Not reported
Region:	4
Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	99-08DW
WDID:	4 19C308794
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	04/08/1998
Termination Date:	12/23/1999
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	Not reported
Longitude:	Not reported

A9 **AIR PRODUCTS AND CHEMICALS, INC.** **CPS-SLIC** **S106386996**
Target **23320 ALAMEDA** **N/A**
Property **CARSON, CA 90810**

Site 9 of 18 in cluster A

Actual: **21 ft.**

SLIC REG 4:

Region:	4
Facility Status:	No further action required
SLIC:	0336
Substance:	TPH/V
Staff:	Not reported

A10 **AIR PRODUCTS & CHEMICALS, INC.** **LUST** **S105032589**
Target **23320 ALAMEDA ST S** **N/A**
Property **CARSON, CA 90810**

Site 10 of 18 in cluster A

Actual: **21 ft.**

LUST REG 4:

Region:	4
Regional Board:	04
County:	Los Angeles
Facility Id:	I-05385

AIR PRODUCTS & CHEMICALS, INC. (Continued) **S105032589**

Status:	Case Closed	
Substance:	Hydrocarbons	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603703068	
W Global ID:	Not reported	
Staff:	SLC	
Local Agency:	19000	
Cross Street:	SEPULVEDA	
Enforcement Type:	Not reported	
Date Leak Discovered:	Not reported	
Date Leak First Reported:		11/10/1993
Date Leak Record Entered:	5/31/1995	
Date Confirmation Began:	11/10/1993	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		9/21/1995
Date the Case was Closed:		9/25/1997
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	Tank	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		4831.252707261526937375512070 2
Source of Cleanup Funding:		Tank
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	AIR PRODUCTUS & CHEMICALS	
RP Address:	PO BOX 538 ALLENTOWN PA 18105	
Program:	SLIC	
Lat/Long:	33.8131635 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	REFER TO SLIC #336	

A11
Target
Property

AIR PRODUCTS MFG CORP
23320 S ALAMEDA ST
CARSON, CA 90810

SWEEPS UST **S101586466**
CA FID UST **N/A**
LOS ANGELES CO. HMS
CERS

Site 11 of 18 in cluster A

Actual:
21 ft.

SWEEPS UST:

Name:	AIR PRODUCTS MFG CORP
Address:	23320 S ALAMEDA ST
City:	CARSON
Status:	Active
Comp Number:	5385
Number:	9
Board Of Equalization:	Not reported
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-005385-000001
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	1

CA FID UST:

Facility ID:	19050949
Regulated By:	UTNKA
Regulated ID:	00003098
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	8180000000
Mail To:	Not reported
Mailing Address:	P O BOX
Mailing Address 2:	Not reported
Mailing City,St,Zip:	CARSON
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

LOS ANGELES CO. HMS:

Name:	AIR PRODUCTS MFG CORP
Address:	23320 S ALAMEDA ST
City,State,Zip:	CARSON, CA 90810
Region:	LA
Permit Category:	I
Facility Id:	005186-I05385
Facility Type:	03
Facility Status:	Removed
Area:	22
Permit Number:	000003113
Permit Status:	Removed

AIR PRODUCTS MFG CORP (Continued) **S101586466**

Name: AIR PRODUCTS MFG CORP
Address: 23320 S ALAMEDA ST
City,State,Zip: CARSON, CA 90810
Region: LA
Permit Category: T
Facility Id: 005186-005385
Facility Type: 0
Facility Status: Removed
Area: 22
Permit Number: 00003293T
Permit Status: Removed

CERS:
Name: SCE AIRPRODUCTS SUBSTATION
Address: 23320 S. ALAMEDA STREET
City,State,Zip: CARSON, CA 90810
Site ID: 69320
CERS ID: 10190003
CERS Description: Chemical Storage Facilities

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-27-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: John Amott, Environmental Specialist. No significant violations observed at the time of inspection.
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-14-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Mark Balilo, Environmental Specialist The owner/operator was advised to update, review, and submit any and all information missing in the California Environmental Reporting System (CERS) online system.
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Affiliation:
Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: P.O. Box 5085 (Attn: ESD, Programs & Governance)
Affiliation City: Rosemead
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 91770
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Corporation
Entity Name: Southern California Edison, Transmission and Distribution Organization (TD)
Entity Title: Not reported

AIR PRODUCTS MFG CORP (Continued) **S101586466**

Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Document Preparer
Entity Name:	Gretchen Tagavilla
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	Southern California Edison
Entity Title:	Not reported
Affiliation Address:	P.O. Box 5085 (Attn: ESD, Programs & Governance)
Affiliation City:	Rosemead
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91770
Affiliation Phone:	(626) 302-1212
Affiliation Type Desc:	Environmental Contact
Entity Name:	Environmental Notification Center
Entity Title:	Not reported
Affiliation Address:	P.O. Box 5085 (Attn: ESD, Programs & Governance)
Affiliation City:	Rosemead
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91770
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Gretchen Tagavilla
Entity Title:	Consultant
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	Southern California Edison
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(626) 302-1212

AIR PRODUCTS MFG CORP (Continued) **S101586466**

Affiliation Type Desc:	CUPA District
Entity Name:	Los Angeles County Fire
Entity Title:	Not reported
Affiliation Address:	5825 Rickenbacker Road
Affiliation City:	Commerce
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90040-3027
Affiliation Phone:	(323) 890-4000

A12 **TESORO LOGISTICS OPERATIONS LLC** **RCRA NonGen / NLR** **1025839768**
Target **23320 S. ALAMEDA STREET** **CAC003019368**
Property **CARSON, CA 90745**

Site 12 of 18 in cluster A

Actual: **21 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	2019-06-12 00:00:00.0
Handler Name:	TESORO LOGISTICS OPERATIONS LLC
Handler Address:	23320 S. ALAMEDA STREET
Handler City,State,Zip:	CARSON, CA 90745
EPA ID:	CAC003019368
Contact Name:	DONNA DIROCCO
Contact Address:	1300 PIER B STREET
Contact City,State,Zip:	LONG BEACH, CA 90813
Contact Telephone:	562-499-2202
Contact Fax:	Not reported
Contact Email:	DONNA.M.DIROCCO@ANDEAVOR.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	1300 PIER B STREET
Mailing City,State,Zip:	LONG BEACH, CA 90813
Owner Name:	TESORO LOGISTICS OPERATIONS LLC
Owner Type:	Other
Operator Name:	DONNA DIROCCO
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No

TESORO LOGISTICS OPERATIONS LLC (Continued) **1025839768**

Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2019-06-27 14:19:52.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	DONNA DIROCCO
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1300 PIER B STREET
Owner/Operator City,State,Zip:	LONG BEACH, CA 90813
Owner/Operator Telephone:	562-499-2202
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

TESORO LOGISTICS OPERATIONS LLC (Continued) **1025839768**

Owner/Operator Indicator:	Owner
Owner/Operator Name:	TESORO LOGISTICS OPERATIONS LLC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1300 PIER B STREET
Owner/Operator City,State,Zip:	LONG BEACH, CA 90813
Owner/Operator Telephone:	562-499-2202
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2019-06-12 00:00:00.0
Handler Name:	TESORO LOGISTICS OPERATIONS LLC
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	48611
NAICS Description:	PIPELINE TRANSPORTATION OF CRUDE OIL

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

A13 **CARSON LIQUID HYDROGEN PLANT** **WMUDS/SWAT** **S104156408**
Target **23320 SOUTH ALAMEDA STREET** **N/A**
Property **CARSON ,CA, CA 90810**

Site 13 of 18 in cluster A

Actual: **21 ft.**

WMUDS/SWAT:

Edit Date:	Not reported
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.
Primary Waste:	MISCEL
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.

CARSON LIQUID HYDROGEN PLANT (Continued) **S104156408**

Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Base Meridian:	Not reported
NPID:	HH0003085
Tonnage:	0
Regional Board ID:	Not reported
Municipal Solid Waste:	False
Superorder:	False
Open To Public:	False
Waste List:	False
Agency Type:	Private
Agency Name:	87 AIR PRODUCTS & CHEMICALS
Agency Department:	Not reported
Agency Address:	23320 S ALAMEDA ST
Agency City,St,Zip:	LONG BEACH ,CA 90810
Agency Contact:	Not reported
Agency Telephone:	2138305231
Land Owner Name:	Not reported
Land Owner Address:	Not reported
Land Owner City,St,Zip:	Not reported
Land Owner Contact:	Not reported
Land Owner Phone:	Not reported
Region:	4
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Description:	Not reported
Facility Telephone:	Not reported
SWAT Facility Name:	Not reported
Primary SIC:	2813
Secondary SIC:	Not reported
Comments:	Not reported
Last Facility Editors:	Not reported
Waste Discharge System:	True
Solid Waste Assessment Test Program:	False
Toxic Pits Cleanup Act Program:	False
Resource Conservation Recovery Act:	True
Department of Defence:	False
Solid Waste Assessment Test Program:	Not reported
Threat to Water Quality:	Moderate Threat to Water Quality. A violation could have a major adverse impact on receiving biota, can cause aesthetic impairment to a significant human population, or render unusable a potential domestic or municipal water supply. Awsthetic impairment would include nuisance from a waste treatment facility.
Sub Chapter 15:	False
Regional Board Project Officer:	HK
Number of WMUDS at Facility:	1
Section Range:	Not reported
RCRA Facility:	Yes
Waste Discharge Requirements:	H
Self-Monitoring Rept. Frequency:	Quarterly Submittal
Waste Discharge System ID:	4B192003002
Solid Waste Information ID:	Not reported

A14 **AIR PRODUCTS & CHEM INC** **SEMS-ARCHIVE** **1015732942**
Target **23320 S ALAMEDA ST** **RCRA-SQG** **CAT080010655**
Property **CARSON, CA 90810**

Site 14 of 18 in cluster A

Actual:
21 ft.

SEMS Archive:

Site ID:	0902667
EPA ID:	CAT080010655
Name:	AIR PRODUCTS & CHEM INC
Address:	23320 S ALAMEDA ST
Address 2:	Not reported
City,State,Zip:	CARSON, CA 90810
Cong District:	32
FIPS Code:	06037
FF:	N
NPL:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region:	09
Site ID:	0902667
EPA ID:	CAT080010655
Site Name:	AIR PRODUCTS & CHEM INC
NPL:	N
FF:	N
OU:	00
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	1992-01-23 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	09
Site ID:	0902667
EPA ID:	CAT080010655
Site Name:	AIR PRODUCTS & CHEM INC
NPL:	N
FF:	N
OU:	00
Action Code:	SI
Action Name:	SI
SEQ:	3
Start Date:	Not reported
Finish Date:	1992-01-23 05:00:00
Qual:	N
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0902667
EPA ID:	CAT080010655
Site Name:	AIR PRODUCTS & CHEM INC
NPL:	N
FF:	N
OU:	00
Action Code:	SI
Action Name:	SI
SEQ:	2

AIR PRODUCTS & CHEM INC (Continued) **1015732942**

Start Date: Not reported
Finish Date: 1991-04-15 04:00:00
Qual: N
Current Action Lead: EPA Perf

Region: 09
Site ID: 0902667
EPA ID: CAT080010655
Site Name: AIR PRODUCTS & CHEM INC
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: Not reported
Finish Date: 1988-12-21 05:00:00
Qual: L
Current Action Lead: EPA Perf

Region: 09
Site ID: 0902667
EPA ID: CAT080010655
Site Name: AIR PRODUCTS & CHEM INC
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 2
Start Date: 1985-07-01 05:00:00
Finish Date: 1986-01-01 05:00:00
Qual: L
Current Action Lead: St Perf

Region: 09
Site ID: 0902667
EPA ID: CAT080010655
Site Name: AIR PRODUCTS & CHEM INC
NPL: N
FF: N
OU: 00
Action Code: SI
Action Name: SI
SEQ: 1
Start Date: Not reported
Finish Date: 1990-08-15 04:00:00
Qual: N
Current Action Lead: St Perf

Region: 09
Site ID: 0902667
EPA ID: CAT080010655
Site Name: AIR PRODUCTS & CHEM INC
NPL: N
FF: N
OU: 00

AIR PRODUCTS & CHEM INC (Continued) **1015732942**

Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1985-09-01 05:00:00
Finish Date:	1985-09-01 05:00:00
Qual:	Not reported
Current Action Lead:	St Perf

RCRA-SQG:

Date Form Received by Agency:		1996-09-01 00:00:00.0
Handler Name:	AIR PRODS & CHEMS INC	
Handler Address:		23320 S ALAMEDA ST
Handler City,State,Zip:		LONG BEACH, CA 90810
EPA ID:		CAT080010655
Contact Name:		Not reported
Contact Address:		Not reported
Contact City,State,Zip:		Not reported
Contact Telephone:		Not reported
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		CA
State District:		4
Mailing Address:		23320 SOUTH ALAMEDA STREET
Mailing City,State,Zip:		LONG BEACH, CA 90810
Owner Name:		Not reported
Owner Type:		Not reported
Operator Name:		NOT REQUIRED
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported

AIR PRODUCTS & CHEM INC (Continued) **1015732942**

Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2002-06-27 03:54:01.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	AIR PRODUCTS AND CHEMICALS INC
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999

AIR PRODUCTS & CHEM INC (Continued) **1015732942**

Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 1996-09-01 00:00:00.0
Handler Name: AIR PRODS & CHEMS INC
Federal Waste Generator Description: Small Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1980-08-18 00:00:00.0
Handler Name: AIR PRODS & CHEMS INC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 32512
NAICS Description: INDUSTRIAL GAS MANUFACTURING

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

A15 **AIR PRODUCTS & CHEMICALS, INC.** **RGA LUST** **S114569204**
Target **23320 ALAMEDA ST S** **N/A**
Property **CARSON, CA**

Site 15 of 18 in cluster A

Actual: **21 ft.**

RGA LUST:
Name: AIR PRODUCTS & CHEMICALS, INC.
Address: 23320 ALAMEDA ST S
City: CARSON
State: CARSON
2007 AIR PRODUCTS & CHEMICALS, INC. 23320 ALAMEDA ST S
Name: AIR PRODUCTS & CHEMICALS, INC.

AIR PRODUCTS & CHEMICALS, INC. (Continued) **S114569204**

Address:	23320 ALAMEDA ST S		
City:	CARSON		
State:	CARSON		
	2006	AIR PRODUCTS & CHEMICALS, INC.	23320 ALAMEDA ST S
Name:	AIR PRODUCTS & CHEMICALS, INC.		
Address:	23320 ALAMEDA ST S		
City:	CARSON		
State:	CARSON		
	2005	AIR PRODUCTS & CHEMICALS, INC.	23320 ALAMEDA ST S
Name:	AIR PRODUCTS & CHEMICALS, INC.		
Address:	23320 ALAMEDA ST S		
City:	CARSON		
State:	CARSON		
	2003	AIR PRODUCTS & CHEMICALS, INC.	23320 ALAMEDA ST S
Name:	AIR PRODUCTS & CHEMICALS, INC.		
Address:	23320 ALAMEDA ST S		
City:	CARSON		
State:	CARSON		
	2001	AIR PRODUCTS & CHEMICALS, INC.	23320 ALAMEDA ST S
Name:	AIR PRODUCTS & CHEMICALS, INC.		
Address:	23320 ALAMEDA ST S		
City:	CARSON		
State:	CARSON		
	2000	AIR PRODUCTS & CHEMICALS, INC.	23320 ALAMEDA ST S

A16 **ERNS 8860693**
Target Property **AIR PROD & CHEM INC; 23320 SOUTH ALAMEDA ST ZIP: 90810 LONG BEACH, CA** **N/A**

Site 16 of 18 in cluster A

Actual: 21 ft.

ERNS 1987-1989:

NRC Report #:	00060693
Envid:	8860693
Spill Date:	19880624
Spill Time:	1715
EPA Region:	09
EPA Region 2:	Not reported
County:	LOS ANGELES
Spill Address 1:	Not reported
Spill City:	LONG BEACH
Spill State:	CA
Spill Zip:	Not reported
Number of Fatalities:	0
Number of Injured:	0
Number of Evacuees:	0
Damage Dollar Amount:	0.00
Initial Report:	True
Updated Report:	True
Damage:	False
EPA Notified:	False
Air:	False
Land:	True
Water:	False
Groundwater:	False
Facility:	False
Other:	False
Notes:	CONCRETE DIKED AREA

(Continued) **8860693**

Transport Related:	False
Equipment Failure:	False
Operator Error:	False
Natural Phenomenon:	False
Dumping:	False
Other:	False
Unknown:	False
Cause Code:	Not reported
Source:	Not reported
Mode:	F
SRC:	N
Report Number:	08482
C.G. Unit:	Not reported
Type of Agency:	Not reported
Responding Agency:	Not reported
EPA Report Number:	Not reported
DC:	19930115
Discharger ID:	60693
Discharger DUNS:	Not reported
Discharger:	Not reported
Discharger Affiliation:	Not reported
Discharger Address:	Not reported
Discharger County:	Not reported
Discharger City:	Not reported
Discharger State:	Not reported
Discharger Zip:	Not reported
CID1:	2027
Material Spilled 1:	6% POTASSIUM PERMANGANATE SOLUTI
CC1:	PTP
Spill Total Quantity 1:	55.00
Units 1:	GAL
In Water 1:	0.00
Units in Water 1:	NON
Quantity Lbs 1:	1237.50
CAS 1:	Not reported
DOT Number 1:	Not reported
CID2:	Not reported
Material Spilled 2:	Not reported
CC2:	Not reported
Spill Total Quantity 2:	Not reported
Units 2:	Not reported
In Water 2:	Not reported
Units in Water 2:	Not reported
Quantity Lbs 2:	Not reported
CAS 2:	Not reported
DOT Number 2:	Not reported
CID3:	Not reported
Material Spilled 3:	Not reported
CC3:	Not reported
Spill Total Quantity 3:	Not reported
Units 3:	Not reported
In Water 3:	Not reported
Units in Water 3:	Not reported
Quantity Lbs 3:	Not reported
CAS 3:	Not reported
DOT Number 3:	Not reported
Description:	PVC PIPE FROM A SCRUBBER/LINE BROKE AT A THREADED CON NECTION

(Continued) **8860693**

Site Location: AIR PROD & CHEM INC; 23320 SOUTH ALAMEDA ST ZIP: 90810
Action: CONTAINED AND SHUT OFF;WILL PLACE INTO DRUMS FOR DISPOSAL
Comments: Not reported

A17 **AIR PRODUCTS & CHEMICALS** **RGA LUST** **S114569209**
Target **23320 ALAMEDA ST S** **N/A**
Property **CARSON, CA**

Site 17 of 18 in cluster A

Actual: **21 ft.**

RGA LUST:
Name: AIR PRODUCTS & CHEMICALS
Address: 23320 ALAMEDA ST S
City: CARSON
State: CARSON
1998 AIR PRODUCTS & CHEMICALS 23320 ALAMEDA ST S
Name: AIR PRODUCTS & CHEMICALS
Address: 23320 ALAMEDA ST S
City: CARSON
State: CARSON
1997 AIR PRODUCTS & CHEMICALS 23320 ALAMEDA ST S
Name: AIR PRODUCTS & CHEMICALS
Address: 23320 ALAMEDA ST S
City: CARSON
State: CARSON
1996 AIR PRODUCTS & CHEMICALS 23320 ALAMEDA ST S
Name: AIR PRODUCTS & CHEMICALS
Address: 23320 ALAMEDA ST S
City: CARSON
State: CARSON
1995 AIR PRODUCTS & CHEMICALS 23320 ALAMEDA ST S

A18 **AIR PRODUCTS & CHEMICALS INC** **ENVIROSTOR** **S105024519**
Target **23320 SOUTH ALAMEDA STREET** **CPS-SLIC** **N/A**
Property **CARSON, CA 90810** **HIST CORTESE**
CERS

Site 18 of 18 in cluster A

Actual: **21 ft.**

ENVIROSTOR:
Name: AIR PRODUCTS & CHEMICALS INC
Address: 23320 SOUTH ALAMEDA STREET
City,State,Zip: CARSON, CA 90810
Facility ID: 19281007
Status: Refer: RWQCB
Status Date: 06/15/1995
Site Code: Not reported
Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: * Mmonroy
Division Branch: Cleanup Cypress
Assembly: 64

AIR PRODUCTS & CHEMICALS INC (Continued) **S105024519**

Senate: 35
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.81222
Longitude: -118.2330
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: * HYDROCARBON SOLVENTS * Laboratory Waste Chemicals * WASTE OIL & MIXED OIL
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: ARCO REFINERY
Alias Type: Alternate Name
Alias Name: CAT080010655
Alias Type: EPA Identification Number
Alias Name: 19281007
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 04/19/1982
Comments: FACILITY IDENTIFIED IDENTIFIED THROUGH TIP

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 02/14/1992
Comments: SSI Report reviewed by Region 4 staff. The site is bounded by: Alameda St. to the west, Sepulveda Blvd. to the south, and the Dominguez Channel to the north and east. There are three separate entities operating at the site: Texaco Ref. & Marketing, Air Products & Chemicals, and Atlantic Rich- field Co. (ARCO). In addition, the LA Co. Flood Control District (LACFCD) uses a portion in the SE corner as an equipment yard for the Dominguez Gap Saltwater Barrier Pro- ject. The Texaco Sulfer Recovery Plant is in the RCRA data base (EPA id# CAT000646331). Air Products & Chem. is also (EPA ID# CAT080010655). ARCO as well (EPA ID# CAD077227049) The RWQCB is overseeing GW contam. problems in the Carson area associated with past practices of refineries, but is not currently involved with this site. Recommend referral to RWQCB. Alameda Street Landfill is on the NE side of the Dom- inguez Channel from this site (Calsites # 19490218).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 05/19/1989
Comments: SITE SCREENING DONE E&E CONDUCTED A REASSESSMENT OF THE PA ON 12/20/88; RECOMMEND MEDIUM PRIORITY SSI; DHS CONCURS WITH RECOMMENDATION

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report

AIR PRODUCTS & CHEMICALS INC (Continued) **S105024519**

Completed Date: 06/01/1985
Comments: SOURCE ACT: LACE IW PERMIT 3/5/63 - CRYOGENIC GAS PROCESSING WASTE TYPE: LACH INSP REP 5/20/83 - COOLING WATER TO DOMINGUEZ CHANNEL, STODDARD SOLVENT - CLOSED SYSTEM 110 GAL/YR; SODIUM CARBONATE - 40 GAL/ MIN IN WASTEWATER TO CHANNEL & CAUSTIC STRIPPER - UNDERGROUND TANK 1050 GAL/M YEARS OPERATION: 1962 TO PRESENT DISPOSAL OF LAB WASTES INTO SEPTIC SYS- TEM; IN EARLIER INSPECTION: REPORTED WASTES DUMPED ON GROUND BY CHANNEL MENTIONED SUBMIT TO EPA PRELIM ASSESS DONE CERCLA 104

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

CPS-SLIC:
Name: AIR PRODUCTS & CHEMICALS, INC.
Address: 23320 ALAMEDA ST S
City,State,Zip: CARSON, CA 90810
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 09/25/1997
Global Id: T0603703068
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 33.8124715
Longitude: -118.232838
Case Type: Cleanup Program Site
Case Worker: SLC
Local Agency: LOS ANGELES COUNTY
RB Case Number: 0336
File Location: Not reported
Potential Media Affected: Soil
Potential Contaminants of Concern: Other Solvent or Non-Petroleum Hydrocarbon
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

HIST CORTESE:
edr_fname: AIR PRODUCTS & CHEMICALS
edr_fadd1: 23320 ALAMEDA
City,State,Zip: LONG BEACH, CA 90810
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: I-05385

edr_fname: AIR PRODUCTS & CHEMICALS
edr_fadd1: 23320 ALAMEDA
City,State,Zip: LONG BEACH, CA 90810
Region: CORTESE

AIR PRODUCTS & CHEMICALS INC (Continued) **S105024519**

Facility County Code: 19
Reg By: CALSI
Reg Id: 19281007

CERS:
Name: AIR PRODUCTS & CHEMICALS, INC.
Address: 23320 ALAMEDA ST S
City,State,Zip: CARSON, CA 90810
Site ID: 230474
CERS ID: T0603703068
CERS Description: Cleanup Program Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: JOHN AWUJO - LOS ANGELES COUNTY
Entity Title: Not reported
Affiliation Address: 900 S FREMONT AVE
Affiliation City: ALHAMBRA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 6264583507

Affiliation Type Desc: Regional Board Caseworker
Entity Name: SLC - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

NPL Region East < 1/8 141 ft. **MONTROSE CHEMICAL CORP.**
20201 S NORMANDIE AVE
TORRANCE, CA 90502

NPL 1000420366
SEMS CAD008242711
RCRA-LQG
US ENG CONTROLS
US INST CONTROLS
ROD
PRP
ICIS
CONSENT
FINDS

NPL:
EPA Region: 9
EPA ID: CAD008242711
Site ID: 900993
Name: MONTROSE CHEMICAL CORP.
Address: 20201 S NORMANDIE AVE
City,State,Zip: TORRANCE, CA 90502
Federal: N
Final Date: 1989-10-04 00:00:00
Latitude: 33.848331
Longitude: -118.2983
Site Score: 32.100000000000001
NAI: Not reported

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

Native American Entity: Not reported

NPL:

NPL Status: Currently on the Final NPL
Substance ID: Not reported
CAS Number: Not reported
Substance: Not reported
Pathway: Not reported
Scoring: Not reported

NPL Status: Currently on the Final NPL
Substance ID: A023
CAS Number: 72-55-9
Substance: DDE
Pathway: AIR PATHWAY
Scoring: 2

NPL Status: Currently on the Final NPL
Substance ID: U060
CAS Number: 72-54-8
Substance: DDD
Pathway: AIR PATHWAY
Scoring: 2

NPL Status: Currently on the Final NPL
Substance ID: U061
CAS Number: 50-29-3
Substance: DDT
Pathway: AIR PATHWAY
Scoring: 4

NPL Status: Currently on the Final NPL
Substance ID: U061
CAS Number: 50-29-3
Substance: DDT
Pathway: GROUND WATER PATHWAY
Scoring: 3

NPL Status: Currently on the Final NPL
Substance ID: U061
CAS Number: 50-29-3
Substance: DDT
Pathway: SURFACE WATER PATHWAY
Scoring: 3

Summary Details:

Conditions at proposal October 15, 1984): Montrose Chemical Corp. manufactured DDT on a l3-acre site in a light industrial/residential area of Torrance, Los Angeles County, California, from 1947 until 1982. About 3,000 people live or work within 0.25 mile of the site. The company s operations included formulation, grinding, packaging, and distribution of DDT. According to analyses conducted by EPA, Montrose, and various State and local agencies, on- and off-site soils, surface water, and sediments are contaminated with DDT. The major transport mechanisms identified were storm water run-off and aerial emissions. On May 6, 1983, EPA issued an Administrative Order under CERCLA Section 106 requiring Montrose Chemical to cease all discharges of DDT and to initiate a study to determine the nature

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

and extent of contamination. After a more detailed review of the Montrose site, EPA determined that further work was necessary to characteri e the site andevaluate alternatives. Therefore, EPA prepared a workplan for a remedial investigation/feasibility study RI/FS). This second phase of investigation will assess all areas of contamination, both on- and off-site, and any public health and environmental impacts. Status June 1986): In February 1985, Montrose installed a temporary asphalt cover over the site. EPA did not endorse this activity. In the summer of 1985, EPA conducted Part I of the RI. On-site sampling foundhigh levels of contamination at 77-foot depths in soil and in shallow ground water. In October 1985, Montrose and EPA signed an Administrative Order under CERCLA Section 106 requiring Montrose to conduct Part II of the RI, which includes on-site sampling of ground water and off-site sampling of soil, sediments, surface water, and ground water. Status November 1988): During July 1986, EPA sampled off-site dust and soil and verified that DDT migrated off-site via aerial dispersion.In November 1986, Montrose completed Phase I sampling under Part II of the RI. Results indicated that soils near the site are contaminated with high levels of DDT, and that the two shallower aquifers in the four-aquifer system underlying the site are contaminated with DDT and monochloroben ene. In October 1987, EPA and Montrose signed an amendment to the October 1985 Administrative Order, calling for both on- and off-site sampling of the two deeper aquifers in the four-aquifer system. Status October 4, 1989): In July 1989, EPA and Montrose signed a second amendment to the original order, under which Montrose will conduct the FS for the overall site and evaluate options for removing DDT-contaminated sediments in the sanitary sewer lines near the site. Sampling conducted under the first amended order indicates that ground water is contaminated with high levels of monochloroben ene 0.25 mile downgradient from the site. Deep wells and additional downgradient wells will be constructed and sampled.

NPL:
NPL Status: Currently on the Final NPL
Category Description: Depth To Aquifer-> 100 Feet
Category Value: 400

NPL Status: Currently on the Final NPL
Category Description: Distance To Nearest Population-> 0 And <= 1/4 Mile
Category Value: 100

NPL:
NPL Name: MONTROSE CHEMICAL CORP.

NPL:
EPA Region: 09
Site ID: 0900993
Site Status: F
Federal Site: N
Date Deleted: Not reported
Date Finalized: 10/04/89
Date Proposed: 10/15/84

NPL:
Proposed Date: 10/15/1984
Final Date: 10/04/1989
Deleted Date: Not reported

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

NPL Status: Final

SEMS:
Site ID: 0900993
EPA ID: CAD008242711
Name: MONTROSE CHEMICAL CORP.
Address: 20201 S NORMANDIE AVE
Address 2: Not reported
City,State,Zip: TORRANCE, CA 90502
Cong District: 36,37,43
FIPS Code: 06037
Latitude: 33.848331
Longitude: -118.298300
FF: N
NPL: Currently on the Final NPL
Non NPL Status: Not reported

SEMS Detail:
Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 01
Action Code: ED
Action Name: R/H ASMT
SEQ: 1
Start Date: 1992-03-01 05:00:00
Finish Date: 5/1/2017 5:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 05
Action Code: RD
Action Name: RD
SEQ: 5
Start Date: 2009-07-22 05:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 04
Action Code: RV

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

Action Name:	RMVL
SEQ:	5
Start Date:	2007-12-03 05:00:00
Finish Date:	2/21/2008 5:00:00 AM
Qual:	C
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	05
Action Code:	CO
Action Name:	RI/FS
SEQ:	3
Start Date:	2003-07-17 04:00:00
Finish Date:	5/27/2009 4:00:00 AM
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	05
Action Code:	AR
Action Name:	ADMIN REC
SEQ:	6
Start Date:	2004-11-30 05:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	05
Action Code:	RO
Action Name:	ROD
SEQ:	4
Start Date:	2009-09-30 04:00:00
Finish Date:	9/30/2009 4:00:00 AM
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

FF:	N
OU:	04
Action Code:	RV
Action Name:	RMVL
SEQ:	3
Start Date:	2001-05-08 04:00:00
Finish Date:	9/26/2002 4:00:00 AM
Qual:	C
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	03
Action Code:	RD
Action Name:	RD
SEQ:	2
Start Date:	1999-08-01 04:00:00
Finish Date:	5/27/2003 4:00:00 AM
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	04
Action Code:	CO
Action Name:	RI/FS
SEQ:	2
Start Date:	1994-03-02 05:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	04
Action Code:	RV
Action Name:	RMVL
SEQ:	4
Start Date:	2001-04-12 04:00:00
Finish Date:	3/6/2002 5:00:00 AM
Qual:	C
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0900993

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	00
Action Code:	RC
Action Name:	RVL CRP
SEQ:	1
Start Date:	1994-04-11 04:00:00
Finish Date:	9/24/1998 4:00:00 AM
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	00
Action Code:	AR
Action Name:	ADMIN REC
SEQ:	2
Start Date:	1994-06-28 04:00:00
Finish Date:	6/28/1994 4:00:00 AM
Qual:	V
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	00
Action Code:	RS
Action Name:	RV ASSESS
SEQ:	1
Start Date:	1990-08-01 04:00:00
Finish Date:	8/1/1990 4:00:00 AM
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	01
Action Code:	ED
Action Name:	R/H ASMT
SEQ:	2
Start Date:	1992-03-01 05:00:00
Finish Date:	5/1/2017 5:00:00 AM
Qual:	Not reported
Current Action Lead:	EPA Perf

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	01
Action Code:	TS
Action Name:	TRTSTUDY
SEQ:	1
Start Date:	1992-06-01 04:00:00
Finish Date:	8/12/1994 4:00:00 AM
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	00
Action Code:	FE
Action Name:	5 YEAR
SEQ:	1
Start Date:	2013-09-12 05:00:00
Finish Date:	8/28/2014 5:00:00 AM
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	00
Action Code:	NF
Action Name:	NPL FINL
SEQ:	1
Start Date:	1989-10-04 04:00:00
Finish Date:	10/4/1989 4:00:00 AM
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	00
Action Code:	NP
Action Name:	PROPOSED
SEQ:	1
Start Date:	1984-10-15 05:00:00
Finish Date:	10/15/1984 5:00:00 AM

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	01
Action Code:	RI
Action Name:	RI
SEQ:	1
Start Date:	1985-01-01 06:00:00
Finish Date:	4/30/1986 4:00:00 AM
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	03
Action Code:	FS
Action Name:	FS
SEQ:	3
Start Date:	1997-08-14 04:00:00
Finish Date:	3/30/1999 5:00:00 AM
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	00
Action Code:	EE
Action Name:	EE/CA
SEQ:	2
Start Date:	1996-07-09 04:00:00
Finish Date:	9/28/2001 4:00:00 AM
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	00
Action Code:	MA
Action Name:	ST COOP

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

SEQ: 1
Start Date: 1989-04-30 04:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1980-01-01 05:00:00
Finish Date: 1/1/1980 5:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 00
Action Code: RS
Action Name: RV ASSESS
SEQ: 2
Start Date: 1991-12-11 05:00:00
Finish Date: 12/11/1991 5:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 00
Action Code: SI
Action Name: SI
SEQ: 1
Start Date: 1984-04-01 06:00:00
Finish Date: 4/1/1984 6:00:00 AM
Qual: H
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

OU:	03
Action Code:	RO
Action Name:	ROD
SEQ:	2
Start Date:	1999-03-30 05:00:00
Finish Date:	3/30/1999 5:00:00 AM
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	00
Action Code:	RV
Action Name:	RMVL
SEQ:	2
Start Date:	1994-03-24 05:00:00
Finish Date:	9/30/2009 4:00:00 AM
Qual:	S
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	01
Action Code:	RI
Action Name:	RI
SEQ:	2
Start Date:	1998-01-08 05:00:00
Finish Date:	5/18/1998 4:00:00 AM
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	03
Action Code:	AR
Action Name:	ADMIN REC
SEQ:	3
Start Date:	1998-05-01 04:00:00
Finish Date:	6/30/1998 4:00:00 AM
Qual:	E
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0900993
EPA ID:	CAD008242711

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	00
Action Code:	AR
Action Name:	ADMIN REC
SEQ:	1
Start Date:	1991-06-05 04:00:00
Finish Date:	6/5/1991 4:00:00 AM
Qual:	V
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	00
Action Code:	HR
Action Name:	HAZRANK
SEQ:	1
Start Date:	1988-06-01 04:00:00
Finish Date:	6/1/1988 4:00:00 AM
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	1984-04-01 06:00:00
Finish Date:	4/1/1984 6:00:00 AM
Qual:	H
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	00
Action Code:	RV
Action Name:	RMVL
SEQ:	1
Start Date:	1994-04-11 04:00:00
Finish Date:	6/30/1999 4:00:00 AM
Qual:	C
Current Action Lead:	EPA Perf

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	02
Action Code:	RI
Action Name:	RI
SEQ:	3
Start Date:	1985-01-01 06:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	02
Action Code:	EE
Action Name:	EE/CA
SEQ:	3
Start Date:	2008-06-04 05:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	00
Action Code:	MA
Action Name:	ST COOP
SEQ:	2
Start Date:	2010-10-07 04:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	05
Action Code:	RD
Action Name:	RD
SEQ:	16
Start Date:	2013-08-22 05:00:00
Finish Date:	Not reported

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	06
Action Code:	CO
Action Name:	RI/FS
SEQ:	4
Start Date:	2005-10-01 04:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	00
Action Code:	CR
Action Name:	CI
SEQ:	2
Start Date:	1997-08-14 04:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	03
Action Code:	RO
Action Name:	ROD
SEQ:	7
Start Date:	2020-09-30 05:00:00
Finish Date:	9/30/2020 5:00:00 AM
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	00
Action Code:	FE
Action Name:	5 YEAR

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

SEQ: 2
Start Date: 2018-11-19 06:00:00
Finish Date: 9/11/2019 5:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 00
Action Code: FE
Action Name: 5 YEAR
SEQ: 4
Start Date: 2015-09-30 05:00:00
Finish Date: 9/30/2015 5:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 05
Action Code: RA
Action Name: RA
SEQ: 13
Start Date: 2009-09-30 04:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 05
Action Code: RA
Action Name: RA
SEQ: 14
Start Date: 2013-09-03 05:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

OU:	00
Action Code:	TA
Action Name:	TECH ASSIST
SEQ:	1
Start Date:	2001-04-03 04:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	00
Action Code:	CR
Action Name:	CI
SEQ:	4
Start Date:	2004-09-10 04:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	00
Action Code:	CR
Action Name:	CI
SEQ:	5
Start Date:	2010-05-19 05:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	04
Action Code:	PD
Action Name:	SITE SEC
SEQ:	1
Start Date:	2008-08-29 05:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0900993
EPA ID:	CAD008242711

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	00
Action Code:	CR
Action Name:	CI
SEQ:	1
Start Date:	1985-01-02 06:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	00
Action Code:	AR
Action Name:	ADMIN REC
SEQ:	4
Start Date:	2000-03-24 05:00:00
Finish Date:	Not reported
Qual:	V
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	00
Action Code:	TG
Action Name:	TA GRANT
SEQ:	1
Start Date:	2000-04-07 04:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	00
Action Code:	AR
Action Name:	ADMIN REC
SEQ:	5
Start Date:	2000-08-24 04:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Perf

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	00
Action Code:	CR
Action Name:	CI
SEQ:	3
Start Date:	2001-02-15 05:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	00
Action Code:	CR
Action Name:	CI
SEQ:	6
Start Date:	2016-04-19 05:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	00
Action Code:	FE
Action Name:	5 YEAR
SEQ:	5
Start Date:	2019-09-06 05:00:00
Finish Date:	9/29/2020 5:00:00 AM
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	06
Action Code:	BB
Action Name:	PRP RV
SEQ:	3
Start Date:	2006-01-17 05:00:00
Finish Date:	1/17/2006 5:00:00 AM

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

Qual:	S
Current Action Lead:	EPA Ovrsght
Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	03
Action Code:	BE
Action Name:	PRP RD
SEQ:	2
Start Date:	2003-05-27 04:00:00
Finish Date:	9/19/2012 5:00:00 AM
Qual:	Not reported
Current Action Lead:	EPA Ovrsght
Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	03
Action Code:	NK
Action Name:	PRP FS
SEQ:	4
Start Date:	1998-01-08 05:00:00
Finish Date:	9/30/2020 5:00:00 AM
Qual:	Not reported
Current Action Lead:	EPA Ovrsght
Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	03
Action Code:	OM
Action Name:	OM
SEQ:	2
Start Date:	1998-09-30 04:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Ovrsght
Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	03
Action Code:	BF
Action Name:	PRP RA

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

SEQ: 1
Start Date: 2012-09-19 05:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 00
Action Code: BB
Action Name: PRP RV
SEQ: 2
Start Date: 1988-02-19 05:00:00
Finish Date: 3/31/1999 5:00:00 AM
Qual: C
Current Action Lead: EPA Ovrsght

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 03
Action Code: NK
Action Name: PRP FS
SEQ: 2
Start Date: 1985-10-28 06:00:00
Finish Date: 8/14/1997 4:00:00 AM
Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 01
Action Code: BD
Action Name: PRP RI/FS
SEQ: 2
Start Date: 1986-10-10 04:00:00
Finish Date: 1/8/1998 5:00:00 AM
Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

OU:	00
Action Code:	BB
Action Name:	PRP RV
SEQ:	1
Start Date:	1988-02-19 05:00:00
Finish Date:	6/21/1989 4:00:00 AM
Qual:	C
Current Action Lead:	EPA Ovrsght
Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	07
Action Code:	BD
Action Name:	PRP RI/FS
SEQ:	3
Start Date:	2008-09-24 04:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Ovrsght
Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	01
Action Code:	OM
Action Name:	OM
SEQ:	7
Start Date:	2002-03-06 05:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Ovrsght
Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	06
Action Code:	NA
Action Name:	PRP RI
SEQ:	1
Start Date:	2006-07-05 04:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Ovrsght
Region:	09
Site ID:	0900993
EPA ID:	CAD008242711

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	06
Action Code:	BD
Action Name:	PRP RI/FS
SEQ:	4
Start Date:	2016-11-04 04:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Ovrsght
Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	01
Action Code:	NK
Action Name:	PRP FS
SEQ:	3
Start Date:	1998-01-08 05:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Ovrsght

RCRA-LQG:

Date Form Received by Agency:	2020-02-10 00:00:00.0
Handler Name:	MONTROSE CHEMICAL COMPANY OF CALIFORNIA
Handler Address:	20201 SOUTH NORMANDIE AVENUE
Handler City,State,Zip:	TORRANCE, CA 90502
EPA ID:	CAD008242711
Contact Name:	MICHAEL A PALMER
Contact Address:	SCOTT STREET, SUITE 104
Contact City,State,Zip:	SAN DIEGO, CA 92106
Contact Telephone:	619-546-8377
Contact Fax:	Not reported
Contact Email:	MPALMER@DEMAXIMIS.COM
Contact Title:	PROJECT COORDINATOR
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	2019
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	ERICKSEN AVENUE NE, SUITE 380
Mailing City,State,Zip:	BAINBRIDGE ISLAND, WA 98110
Owner Name:	MONTROSE CHEMICAL CORPORATION OF CALIFOR
Owner Type:	Private
Operator Name:	MONTROSE CHEMICAL CORPORATION OF CALIFOR
Operator Type:	Private
Short-Term Generator Activity:	No

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2020-09-16 17:48:36.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2019

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

Click Here for Biennial Reporting System Data:
Year: 2015

Click Here for Biennial Reporting System Data:
Year: 2013

Click Here for Biennial Reporting System Data:
Year: 2009

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D001
Waste Description: IGNITABLE WASTE

Waste Code: D012
Waste Description: ENDRIN (1,2,3,4,10,10-HEXACHLORO-1,7-EPOXY-1,4,4A,5,6,7,8,8A-OCTAHYDRO-1,4-ENDO, ENDO-5,8-DIMETH-ANO-NAPHTHALENE)

Waste Code: D018
Waste Description: BENZENE

Waste Code: D019
Waste Description: CARBON TETRACHLORIDE

Waste Code: D021
Waste Description: CHLOROBENZENE

Waste Code: D022
Waste Description: CHLOROFORM

Waste Code: D027
Waste Description: 1,4-DICHLOROBENZENE

Waste Code: D033
Waste Description: HEXACHLOROBUTADIENE

Waste Code: D034
Waste Description: HEXACHLOROETHANE

Waste Code: D039
Waste Description: TETRACHLOROETHYLENE

Waste Code: D040
Waste Description: TRICHLORETHYLENE

Waste Code: U060
Waste Description: BENZENE, 1,1'-(2,2-DICHLOROETHYLIDENE)BIS[4-CHLORO- (OR) DDD

Waste Code: U061
Waste Description: BENZENE, 1,1'-(2,2,2-TRICHLOROETHYLIDENE)BIS[4-CHLORO- (OR) DDT

Handler - Owner Operator:
Owner/Operator Indicator: Owner

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

Owner/Operator Name: MONTROSE CHEMICAL COMPANY OF CALIFORNIA
Legal Status: Private
Date Became Current: 1947-01-01 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: 600 ERICKSEN AVENUE NE, SUITE 380
Owner/Operator City,State,Zip: BAINBRIDGE ISLAND, WA 98110
Owner/Operator Telephone: 619-546-8377
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: MONTROSE CHEMICAL CORPORATION OF CALIFOR
Legal Status: Private
Date Became Current: 1947-01-01 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: 600 ERICKSEN AVENUE NE, SUITE 380
Owner/Operator City,State,Zip: BAINBRIDGE ISLAND, WA 98110
Owner/Operator Telephone: 619-546-8377
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: MONTROSE CHEMICAL CORP OF CALIFORNIA
Legal Status: Private
Date Became Current: 1947-01-01 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: MONTROSE CHEMICAL COMPANY OF CALIFORNIA
Legal Status: Private
Date Became Current: 1947-01-01 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: MONTROSE CHEMICAL CORPORATION OF CALIFOR
Legal Status: Private
Date Became Current: 1947-01-01 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: 600 ERICKSEN AVENUE NE, SUITE 380
Owner/Operator City,State,Zip: BAINBRIDGE ISLAND, WA 98110
Owner/Operator Telephone: 619-546-8377
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	MONTROSE CHEMICAL CORP. OF CALIFORNIA
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	P O BOX E
Owner/Operator City,State,Zip:	CITY NOT REPORTED, NJ 99999
Owner/Operator Telephone:	201-964-3250
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	MONTROSE CHEMICAL CORP. OF CALIFORNIA
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	P O BOX E
Owner/Operator City,State,Zip:	UNION, NJ 07083
Owner/Operator Telephone:	201-964-3250
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	MONTROSE CHEMICAL CORP. OF CALIFORNIA
Legal Status:	Private
Date Became Current:	1947-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	600 ERICKSON AVE, NE, SUITE 380
Owner/Operator City,State,Zip:	BAINBRIDGE ISLAND, WA 98110
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	MONTROSE CHEMICAL COMPANY OF CALIFORNIA
Legal Status:	Private
Date Became Current:	1947-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	MONTROSE CHEMICAL CORPORATION OF CALIFOR
Legal Status:	Private
Date Became Current:	1947-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	600 ERICKSEN AVENUE NE, SUITE 380
Owner/Operator City,State,Zip:	BAINBRIDGE ISLAND, WA 98110

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

Owner/Operator Telephone: 619-546-8377
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: MONTROSE CHEMICAL CORP. OF CALIFORNIA
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: P O BOX E
Owner/Operator City,State,Zip: CITY NOT REPORTED, NJ 99999
Owner/Operator Telephone: 201-964-3250
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 2010-06-15 00:00:00.0
Handler Name: MONTROSE CHEMICAL CORPORATION OF CALIFORNIA
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2014-03-01 00:00:00.0
Handler Name: MONTROSE CHEMICAL COMPANY OF CALIFORNIA
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2016-02-12 00:00:00.0
Handler Name: MONTROSE CHEMICAL COMPANY OF CALIFORNIA
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

Receive Date: 2020-02-10 00:00:00.0
Handler Name: MONTROSE CHEMICAL COMPANY OF CALIFORNIA
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 1996-09-01 00:00:00.0
Handler Name: MONTROSE CHEM CORP OF CA
Federal Waste Generator Description: Large Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1996-09-01 00:00:00.0
Handler Name: MONTROSE CHEM CORP OF CA
Federal Waste Generator Description: Small Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1980-08-07 00:00:00.0
Handler Name: MONTROSE CHEM CORP OF CA
Federal Waste Generator Description: Large Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 32511
NAICS Description: PETROCHEMICAL MANUFACTURING

NAICS Code: 325199

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

NAICS Description: ALL OTHER BASIC ORGANIC CHEMICAL MANUFACTURING

NAICS Code: 32532
NAICS Description: PESTICIDE AND OTHER AGRICULTURAL CHEMICAL MANUFACTURING

NAICS Code: 56291
NAICS Description: REMEDIATION SERVICES

Facility Has Received Notices of Violation:

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Evaluation Action Summary:

Evaluation Date:	1982-05-17 00:00:00.0
Evaluation Responsible Agency:	EPA
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1980-12-22 00:00:00.0
Evaluation Responsible Agency:	EPA
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

SIte:

Name:	MONTROSE CHEMICAL CORP.
Address:	20201 S NORMANDIE AVE
Address 2:	Not reported
City,State,Zip:	TORRANCE, CA 90502
Event Code:	Not reported
Action Taken Date:	09/30/2009
EPA ID:	CAD008242711
Action Name:	Record of Decision
Action ID:	4
Operable Unit:	05
Contaminated Media:	Sediment
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	2009
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.848331
Longitude:	-118.298300

Media:

EPA ID:	CAD008242711
Contaminated Media:	Sediment
Action ID:	4
Operable Unit:	05
Action Name:	Record of Decision
Action Taken Date:	09/30/2009
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	2009
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.848331
Longitude:	-118.298300

EPA ID:	CAD008242711
Contaminated Media:	Sediment
Action ID:	4
Operable Unit:	05
Action Name:	Record of Decision
Action Taken Date:	09/30/2009
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	2009
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.848331
Longitude:	-118.298300

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

EPA ID:	CAD008242711
Contaminated Media:	Surface Water
Action ID:	4
Operable Unit:	05
Action Name:	Record of Decision
Action Taken Date:	09/30/2009
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	2009
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.848331
Longitude:	-118.298300

EPA ID:	CAD008242711
Contaminated Media:	Groundwater
Action ID:	2
Operable Unit:	03
Action Name:	Record of Decision
Action Taken Date:	03/30/1999
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	1999
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.848331
Longitude:	-118.298300

EPA ID:	CAD008242711
Contaminated Media:	Groundwater
Action ID:	2
Operable Unit:	03
Action Name:	Record of Decision
Action Taken Date:	03/30/1999
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	1999
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.848331
Longitude:	-118.298300

EPA ID:	CAD008242711
Contaminated Media:	Groundwater
Action ID:	2
Operable Unit:	03
Action Name:	Record of Decision
Action Taken Date:	03/30/1999

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	1999
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.848331
Longitude:	-118.298300

EPA ID:	CAD008242711
Contaminated Media:	Groundwater
Action ID:	2
Operable Unit:	03
Action Name:	Record of Decision
Action Taken Date:	03/30/1999
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	1999
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.848331
Longitude:	-118.298300

EPA ID:	CAD008242711
Contaminated Media:	Groundwater
Action ID:	2
Operable Unit:	03
Action Name:	Record of Decision
Action Taken Date:	03/30/1999
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	1999
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.848331
Longitude:	-118.298300

EPA ID:	CAD008242711
Contaminated Media:	Groundwater
Action ID:	2
Operable Unit:	03
Action Name:	Record of Decision
Action Taken Date:	03/30/1999
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	1999

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.848331
Longitude: -118.298300

EPA ID: CAD008242711
Contaminated Media: Groundwater
Action ID: 2
Operable Unit: 03
Action Name: Record of Decision
Action Taken Date: 03/30/1999
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 1999
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.848331
Longitude: -118.298300

EPA ID: CAD008242711
Contaminated Media: Groundwater
Action ID: 2
Operable Unit: 03
Action Name: Record of Decision
Action Taken Date: 03/30/1999
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 1999
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.848331
Longitude: -118.298300

EPA ID: CAD008242711
Contaminated Media: Sediment
Action ID: 4
Operable Unit: 05
Action Name: Record of Decision
Action Taken Date: 09/30/2009
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 2009
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.848331
Longitude: -118.298300

EPA ID: CAD008242711

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

Contaminated Media: Sediment
Action ID: 4
Operable Unit: 05
Action Name: Record of Decision
Action Taken Date: 09/30/2009
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 2009
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.848331
Longitude: -118.298300

US INST CONTROLS:
Name: MONTROSE CHEMICAL CORP.
Address: 20201 S NORMANDIE AVE
Address 2: Not reported
City,State,Zip: TORRANCE, CA 90502
EPA ID: CAD008242711
Action Name: Record of Decision
Action ID: 2
Operable Unit: 03
Actual Date: 03/30/1999
Contaminated Media: Groundwater
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 1999
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.848331
Longitude: -118.298300

Name: MONTROSE CHEMICAL CORP.
Address: 20201 S NORMANDIE AVE
Address 2: Not reported
City,State,Zip: TORRANCE, CA 90502
EPA ID: CAD008242711
Action Name: Record of Decision
Action ID: 4
Operable Unit: 05
Actual Date: 09/30/2009
Contaminated Media: Sediment
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 2009
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

Latitude: 33.848331
Longitude: -118.298300

ROD:
Name: MONTROSE CHEMICAL CORP.
Address: 20201 S NORMANDIE AVE
City,State,Zip: TORRANCE, CA 90502
EPA ID: CAD008242711
RG: 9
Site ID: 900993
Action: GOVT Decision Document (ROD)
Operable Unit Number: GROUNDWATER/NAPL (OU-03)
SEQ ID: 2
Action Completion: 1999-03-30 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: MONTROSE CHEMICAL CORP.
Address: 20201 S NORMANDIE AVE
City,State,Zip: TORRANCE, CA 90502
EPA ID: CAD008242711
RG: 9
Site ID: 900993
Action: GOVT Decision Document (ROD)
Operable Unit Number: PALOS VERDES SHELF (OU-05)
SEQ ID: 4
Action Completion: 2009-09-30 00:00:00
NPL Status: Final
Non NPL Status: Not reported

PRP:
PRP Name:
ATKEMIX THIRTY-SEVEN, INC.
ATKEMIX THIRTY-SEVEN, INC.
ATKEMIX THIRTY-SEVEN, INC.
ATKEMIX THIRTY-SEVEN, INC.
AVENTIS CROPSCIENCE USA, INC
AVENTIS CROPSCIENCE USA, INC
AVENTIS CROPSCIENCE USA, INC
AVENTIS CROPSCIENCE USA, INC
CBS CORPORATION
CHRIS-CRAFT CORPORATION OF CALIFORNIA
CHRIS-CRAFT CORPORATION OF CALIFORNIA
CHRIS-CRAFT CORPORATION OF CALIFORNIA
CHRIS-CRAFT CORPORATION OF CALIFORNIA
CITY OF LOS ANGELES
CITY OF LOS ANGELES
ECOLOGY CONTROL INDUSTRIES, INC.
ECOLOGY CONTROL INDUSTRIES, INC.
ECOLOGY CONTROL INDUSTRIES, INC.
ICI AMERICAN HOLDINGS, INC.
ICI AMERICAN HOLDINGS, INC.

Click this hyperlink while viewing on your computer to access
38 additional PRP: record(s) in the EDR Site Report.

ICIS:
Enforcement Action ID: 09-2016-2507

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

FRS ID:	110002630608
Action Name:	MONTROSE - ECOLOGY CONTROL INDUSTRIES UAO
Facility Name:	MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Facility Address:	20201 SOUTH NORMANDIE AVENUE TORRANCE, CA 90502
Enforcement Action Type:	CERCLA 106 AO For Resp Action/Imm Haz
Facility County:	LOS ANGELES
Program System Acronym:	ICIS
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	106
Facility SIC Code:	2879
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.84833
Longitude in Decimal Degrees:	-118.2983
Permit Type Desc:	Not reported
Program System Acronym:	10849
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported

Enforcement Action ID:	09-2016-2507
FRS ID:	110002630608
Action Name:	MONTROSE - ECOLOGY CONTROL INDUSTRIES UAO
Facility Name:	MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Facility Address:	20201 SOUTH NORMANDIE AVENUE TORRANCE, CA 90502
Enforcement Action Type:	CERCLA 106 AO For Resp Action/Imm Haz
Facility County:	LOS ANGELES
Program System Acronym:	CERCLIS
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	106
Facility SIC Code:	Not reported
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.84833
Longitude in Decimal Degrees:	-118.2983
Permit Type Desc:	Not reported
Program System Acronym:	CAD008242711
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported

Enforcement Action ID:	09-2010-2518
FRS ID:	110002630608
Action Name:	Montrose/Del Amo Superfund Sites Dual Site Groundwater OU RD/RA
Facility Name:	MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Facility Address:	20201 SOUTH NORMANDIE AVENUE TORRANCE, CA 90502
Enforcement Action Type:	Civil Judicial Action
Facility County:	LOS ANGELES
Program System Acronym:	CERCLIS
Enforcement Action Forum Desc:	Judicial
EA Type Code:	CIV
Facility SIC Code:	Not reported
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.84833
Longitude in Decimal Degrees:	-118.2983
Permit Type Desc:	Not reported
Program System Acronym:	CAD008242711
Facility NAICS Code:	Not reported

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

Tribal Land Code: Not reported

Enforcement Action ID: 09-2008-2530
FRS ID: 110002630608
Action Name: Montrose Chemical AOC with JCI Jones for RI/FS
Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Facility Address: 20201 SOUTH NORMANDIE AVENUE
TORRANCE, CA 90502
Enforcement Action Type: CERCLA 122A/104A Agrmt For RI/FS
Facility County: LOS ANGELES
Program System Acronym: CERCLIS
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: 122/104
Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.84833
Longitude in Decimal Degrees: -118.2983
Permit Type Desc: Not reported
Program System Acronym: CAD008242711
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: 09-2008-2501
FRS ID: 110002630608
Action Name: Montrose Chemical - Shell Oil
Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Facility Address: 20201 SOUTH NORMANDIE AVENUE
TORRANCE, CA 90502
Enforcement Action Type: CERCLA 106 AO For Resp Action/Imm Haz
Facility County: LOS ANGELES
Program System Acronym: CERCLIS
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: 106
Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.84833
Longitude in Decimal Degrees: -118.2983
Permit Type Desc: Not reported
Program System Acronym: CAD008242711
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: 09-2008-0009
FRS ID: 110002630608
Action Name: Montrose Cemical - Kenwood
Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Facility Address: 20201 SOUTH NORMANDIE AVENUE
TORRANCE, CA 90502
Enforcement Action Type: CERCLA 106 AO For Resp Action/Imm Haz
Facility County: LOS ANGELES
Program System Acronym: CERCLIS
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: 106
Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.84833
Longitude in Decimal Degrees: -118.2983

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

Permit Type Desc: Not reported
Program System Acronym: CAD008242711
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: 09-2006-0133
FRS ID: 110002630608
Action Name: Montrose Chemical - Normandie (#2)
Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Facility Address: 20201 SOUTH NORMANDIE AVENUE
TORRANCE, CA 90502
Enforcement Action Type: CERCLA 106 AO For Resp Action/Imm Haz
Facility County: LOS ANGELES
Program System Acronym: ICIS
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: 106
Facility SIC Code: 2879
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.84833
Longitude in Decimal Degrees: -118.2983
Permit Type Desc: Not reported
Program System Acronym: 10849
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: 09-2006-0025
FRS ID: 110002630608
Action Name: Montrose Chemical - Normandie (#1)
Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Facility Address: 20201 SOUTH NORMANDIE AVENUE
TORRANCE, CA 90502
Enforcement Action Type: CERCLA 106 AO For Resp Action/Imm Haz
Facility County: LOS ANGELES
Program System Acronym: ICIS
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: 106
Facility SIC Code: 2879
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.84833
Longitude in Decimal Degrees: -118.2983
Permit Type Desc: Not reported
Program System Acronym: 10849
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: 09-2003-0114
FRS ID: 110002630608
Action Name: Montrose Chemical / Del Amo (#2)
Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Facility Address: 20201 SOUTH NORMANDIE AVENUE
TORRANCE, CA 90502
Enforcement Action Type: CERCLA 106 AO For Resp Action/Imm Haz
Facility County: LOS ANGELES
Program System Acronym: ICIS
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: 106
Facility SIC Code: 2879

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.84833
Longitude in Decimal Degrees: -118.2983
Permit Type Desc: Not reported
Program System Acronym: 10849
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: 09-2003-0060
FRS ID: 110002630608
Action Name: Montrose Chemical / Del Amo (#1)
Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Facility Address: 20201 SOUTH NORMANDIE AVENUE
TORRANCE, CA 90502
Enforcement Action Type: CERCLA 106 AO For Resp Action/Imm Haz
Facility County: LOS ANGELES
Program System Acronym: ICIS
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: 106
Facility SIC Code: 2879
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.84833
Longitude in Decimal Degrees: -118.2983
Permit Type Desc: Not reported
Program System Acronym: 10849
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: 09-1998-0169
FRS ID: 110002630608
Action Name: MONTROSE - CBS/POTLATCH/SIMPSON
Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Facility Address: 20201 SOUTH NORMANDIE AVENUE
TORRANCE, CA 90502
Enforcement Action Type: Civil Judicial Action
Facility County: LOS ANGELES
Program System Acronym: ICIS
Enforcement Action Forum Desc: Judicial
EA Type Code: CIV
Facility SIC Code: 2879
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.84833
Longitude in Decimal Degrees: -118.2983
Permit Type Desc: Not reported
Program System Acronym: 10849
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: 09-1997-0048
FRS ID: 110002630608
Action Name: MONTROSE - LOS ANGELES COUNTY SANITATION DISTRICT
Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Facility Address: 20201 SOUTH NORMANDIE AVENUE
TORRANCE, CA 90502
Enforcement Action Type: Civil Judicial Action
Facility County: LOS ANGELES
Program System Acronym: ICIS

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

Enforcement Action Forum Desc: Judicial
EA Type Code: CIV
Facility SIC Code: 2879
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.84833
Longitude in Decimal Degrees: -118.2983
Permit Type Desc: Not reported
Program System Acronym: 10849
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: 09-1997-0009
FRS ID: 110002630608
Action Name: MONTROSE - UAO
Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Facility Address: 20201 SOUTH NORMANDIE AVENUE
TORRANCE, CA 90502
Enforcement Action Type: CERCLA 106 AO For Resp Action/Imm Haz
Facility County: LOS ANGELES
Program System Acronym: ICIS
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: 106
Facility SIC Code: 2879
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.84833
Longitude in Decimal Degrees: -118.2983
Permit Type Desc: Not reported
Program System Acronym: 10849
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: 09-1990-0012
FRS ID: 110002630608
Action Name: MONTROSE CHEMCIAL CORPORATION OF CALIFORNIA
Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Facility Address: 20201 SOUTH NORMANDIE AVENUE
TORRANCE, CA 90502
Enforcement Action Type: Civil Judicial Action
Facility County: LOS ANGELES
Program System Acronym: ICIS
Enforcement Action Forum Desc: Judicial
EA Type Code: CIV
Facility SIC Code: 2879
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.84833
Longitude in Decimal Degrees: -118.2983
Permit Type Desc: Not reported
Program System Acronym: 10849
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

SIC Code: Not reported

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2869

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2879

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
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Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 5191

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Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

Fed Facility: No
NAIC Code: Not reported
SIC Code: 5191

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2869

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MONTROSE CHEMICAL CORP. (Continued) **1000420366**

NAIC Code: Not reported
SIC Code: 2879

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
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MONTROSE CHEMICAL CORP. (Continued) **1000420366**

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MONTROSE CHEMICAL CORP. (Continued) **1000420366**

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MONTROSE CHEMICAL CORP. (Continued) **1000420366**

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Address: 20201 SOUTH NORMANDIE AVENUE

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

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MONTROSE CHEMICAL CORP. (Continued) **1000420366**

Fed Facility: No
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MONTROSE CHEMICAL CORP. (Continued) **1000420366**

NAIC Code: Not reported
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Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
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MONTROSE CHEMICAL CORP. (Continued) **1000420366**

SIC Code: 2879

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
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MONTROSE CHEMICAL CORP. (Continued) **1000420366**

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Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

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MONTROSE CHEMICAL CORP. (Continued) **1000420366**

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MONTROSE CHEMICAL CORP. (Continued) **1000420366**

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MONTROSE CHEMICAL CORP. (Continued) **1000420366**

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SIC Code: 2879

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 5191

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2869

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2879

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
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Fed Facility: No
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Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

SIC Code: 5191

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2869

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2879

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 5191

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
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SIC Code: 2879

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 5191

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
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Fed Facility: No
NAIC Code: Not reported
SIC Code: 2869

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2879

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
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Fed Facility: No
NAIC Code: Not reported
SIC Code: 5191

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2869

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
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Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

Fed Facility: No
NAIC Code: Not reported
SIC Code: 5191

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
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Fed Facility: No

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

NAIC Code: Not reported
SIC Code: 2879

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
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Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 5191

CONSENT:
EPA ID: CAD008242711
Site ID: Not reported
Case Title: Not reported
Court Num: Not reported

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

District: Not reported
Entered Date: Not reported
Name: US V. MONTROSE CHEMICAL CORP.
Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
City,State,Zip: TORRANCE, CA 90502
County: Not reported

FINDS:
Registry ID: 110002630608

Click Here:

Environmental Interest/Information System:
California Department of Toxic Substances Control EnviroStor System (DTSC-EnviroStor) is an online search and Geographic Information System (GIS) tool for identifying sites that have known contamination or sites for which there may be reasons to investigate further. The EnviroStor database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites.
SUPERFUND NPL
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
HAZARDOUS WASTE BIENNIAL REPORTER
ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

B19 **AIR PRODUCTS AND CHEMICALS, INC.** **RCRA-LQG** **1001492874**
WNW **23300 S. ALAMEDA STREET** **CAR000056135**
< 1/8 **CARSON, CA 90810**
0.001 mi.
7 ft. **Site 1 of 4 in cluster B**

Relative: **Higher**
Actual: **22 ft.**

RCRA-LQG:
Date Form Received by Agency: 2012-03-07 00:00:00.0
Handler Name: AIR PRODUCTS AND CHEMICALS, INC.
Handler Address: 23300 S. ALAMEDA STREET
Handler City,State,Zip: CARSON, CA 90810

AIR PRODUCTS AND CHEMICALS, INC. (Continued) **1001492874**

EPA ID:	CAR000056135
Contact Name:	JIM C REEBEL
Contact Address:	S. ALAMEDA STREET
Contact City,State,Zip:	CARSON, CA 90810
Contact Telephone:	310-847-7300 x13
Contact Fax:	310-847-7311
Contact Email:	REEBELJC@AIRPRODUCTS.COM
Contact Title:	SR. ENVI ENG
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	2011
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	S. ALAMEDA STREET
Mailing City,State,Zip:	CARSON, CA 90810
Owner Name:	AIR PRODUCTS AND CHEMICALS, INC.
Owner Type:	Private
Operator Name:	AIR PRODUCTS AND CHEMICALS, INC.
Operator Type:	Private
Short-Term Generator Activity:	Yes
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No

AIR PRODUCTS AND CHEMICALS, INC. (Continued) **1001492874**

TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2012-11-06 13:57:46.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2011

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D001
Waste Description: IGNITABLE WASTE

Waste Code: D002
Waste Description: CORROSIVE WASTE

Waste Code: D008
Waste Description: LEAD

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	AIR PRODUCTS AND CHEMICALS, INC.
Legal Status:	Private
Date Became Current:	1999-11-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	7201 HAMILTON BOULEVARD
Owner/Operator City,State,Zip:	ALLENTOWN, PA 18195
Owner/Operator Telephone:	610-481-4911
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	AIR PRODUCTS AND CHEMICALS, INC.
Legal Status:	Private
Date Became Current:	1999-11-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	7201 HAMILTON BOULEVARD

AIR PRODUCTS AND CHEMICALS, INC. (Continued) **1001492874**

Owner/Operator City,State,Zip:	ALLENTOWN, PA 18195
Owner/Operator Telephone:	610-481-4911
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	AIR PRODUCTS AND CHEMICALS INC
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	7201 HAMILTON BLVD
Owner/Operator City,State,Zip:	ALLENTOWN, PA 18195-1501
Owner/Operator Telephone:	610-481-3354
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2012-03-07 00:00:00.0
Handler Name:	AIR PRODUCTS AND CHEMICALS, INC.
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported
Receive Date:	1999-09-01 00:00:00.0
Handler Name:	AIR PRODUCTS AND CHEMICALS INC
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	32512
NAICS Description:	INDUSTRIAL GAS MANUFACTURING

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

B20 **AIR PRODUCTS AND CHEMICALS, INC. - CARSON** **AST** **A100416966**
WNW **23300 SOUTH ALAMEDA STREET** **N/A**
< 1/8 **CARSON, CA 90810**
0.001 mi.
7 ft. **Site 2 of 4 in cluster B**

Relative:
Higher

Actual:
22 ft.

AST:

Name:	AIR PRODUCTS AND CHEMICALS, INC. - CARSON
Address:	23300 SOUTH ALAMEDA STREET
City/Zip:	CARSON,90810
Certified Unified Program Agencies:	Not reported
Owner:	Air Products & Chemicals, Inc.
Total Gallons:	Not reported
CERSID:	10155423
Facility ID:	LACoFA0002211
Business Name:	Air Products and Chemicals, Inc.
Phone:	310-847-7300
Fax:	310-847-7311
Mailing Address:	23300 South Alameda Street
Mailing Address City:	Carson
Mailing Address State:	CA
Mailing Address Zip Code:	90810
Operator Name:	Air Products & Chemicals, Inc.
Operator Phone:	310-847-7300 x7
Owner Phone:	610-481-4911
Owner Mail Address:	7201 Hamilton Boulevard
Owner State:	PA
Owner Zip Code:	18195
Owner Country:	United States
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	CAR000056135

B21 **AIR PRODUCTS AND CHEMICAL INC** **CERS HAZ WASTE** **S112897061**
WNW **23300 S ALAMEDA ST** **CERS TANKS** **N/A**
< 1/8 **CARSON, CA 90810** **HAZNET**
0.001 mi. **CERS**
7 ft. **Site 3 of 4 in cluster B** **HWTS**

Relative:
Higher

Actual:
22 ft.

CERS HAZ WASTE:

Name:	AIR PRODUCTS AND CHEMICALS, INC. - CARSON
Address:	23300 SOUTH ALAMEDA STREET
City,State,Zip:	CARSON, CA 90810
Site ID:	384362
CERS ID:	10155423
CERS Description:	Hazardous Waste Generator
Name:	AIR PRODUCTS AND CHEMICALS, INC. - CARSON
Address:	23300 SOUTH ALAMEDA STREET
City,State,Zip:	CARSON, CA 90810
Site ID:	384362
CERS ID:	10155423
CERS Description:	Hazardous Chemical Management
Name:	AIR PRODUCTS AND CHEMICALS, INC. - CARSON

AIR PRODUCTS AND CHEMICAL INC (Continued) **S112897061**

Address: 23300 SOUTH ALAMEDA STREET
City,State,Zip: CARSON, CA 90810
Site ID: 384362
CERS ID: 10155423
CERS Description: RCRA LQ HW Generator

CERS TANKS:
Name: AIR PRODUCTS AND CHEMICALS, INC. - CARSON
Address: 23300 SOUTH ALAMEDA STREET
City,State,Zip: CARSON, CA 90810
Site ID: 384362
CERS ID: 10155423
CERS Description: Aboveground Petroleum Storage

HAZNET:
Name: AIR PRODUCTS AND CHEMICAL INC
Address: 23300 S ALAMEDA ST
Address 2: Not reported
City,State,Zip: CARSON, CA 908100000
Contact: KENT KISENBAUER-ENV ENGIN
Telephone: 6104816463
Mailing Name: Not reported
Mailing Address: 7201 HAMILTON BLVD

Year: 1998
Gepaid: CAC002102136
TSD EPA ID: AZC950823111
CA Waste Code: 611 - Contaminated soil from site clean-up
Disposal Method: -
Tons: 1761.697

Additional Info:
Year: 1998
Gen EPA ID: CAC002102136

Shipment Date: 19980922
Creation Date: 11/5/1998 0:00:00
Receipt Date: 19980922
Manifest ID: 98112851
Trans EPA ID: CAD982030173
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: AZC950823111
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 611 - Contaminated soil from site clean-ups
RCRA Code: Not reported
Meth Code: - Not reported
Quantity Tons: 24.03
Waste Quantity: 48060
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported

AIR PRODUCTS AND CHEMICAL INC (Continued) **S112897061**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980922
Creation Date:	11/5/1998 0:00:00
Receipt Date:	19980922
Manifest ID:	98112853
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC950823111
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	22.88
Waste Quantity:	45760
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980922
Creation Date:	11/5/1998 0:00:00
Receipt Date:	19980922
Manifest ID:	98112852
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC950823111
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	19.31
Waste Quantity:	38620
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980921
Creation Date:	11/5/1998 0:00:00
Receipt Date:	19980921
Manifest ID:	98112825
Trans EPA ID:	CAD982030173

AIR PRODUCTS AND CHEMICAL INC (Continued) **S112897061**

Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC950823111
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	21.32
Waste Quantity:	42640
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980921
Creation Date:	11/5/1998 0:00:00
Receipt Date:	19980921
Manifest ID:	98112826
Trans EPA ID:	CAD981634116
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC950823111
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	25.11
Waste Quantity:	50220
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980921
Creation Date:	11/5/1998 0:00:00
Receipt Date:	19980921
Manifest ID:	98112827
Trans EPA ID:	CAD028109585
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC950823111
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported

AIR PRODUCTS AND CHEMICAL INC (Continued) **S112897061**

Meth Code:	- Not reported
Quantity Tons:	22.94
Waste Quantity:	45880
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980921
Creation Date:	11/5/1998 0:00:00
Receipt Date:	19980921
Manifest ID:	98112828
Trans EPA ID:	CAD028109585
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC950823111
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	22.3
Waste Quantity:	44600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980921
Creation Date:	11/5/1998 0:00:00
Receipt Date:	19980921
Manifest ID:	98112829
Trans EPA ID:	CAD983616202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC950823111
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	24.08
Waste Quantity:	48160
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

AIR PRODUCTS AND CHEMICAL INC (Continued) **S112897061**

Shipment Date:	19980921
Creation Date:	11/5/1998 0:00:00
Receipt Date:	19980921
Manifest ID:	98112839
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC950823111
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	22.51
Waste Quantity:	45020
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19980921
Creation Date:	11/5/1998 0:00:00
Receipt Date:	19980921
Manifest ID:	98112840
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC950823111
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	21.92
Waste Quantity:	43840
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CERS:

Name:	AIR PRODUCTS AND CHEMICALS, INC. - CARSON
Address:	23300 SOUTH ALAMEDA STREET
City,State,Zip:	CARSON, CA 90810
Site ID:	384362
CERS ID:	10155423
CERS Description:	Chemical Storage Facilities

Violations:

AIR PRODUCTS AND CHEMICAL INC (Continued) **S112897061**

Site ID:	384362
Site Name:	Air Products and Chemicals, Inc. - Carson
Violation Date:	09-06-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 10/05/2017. Revise and resubmit the site map to clearly show all the required components; north orientation, loading areas, internal roads, adjacent streets, storm and sewer drains, access and exit points, emergency shutoffs, evacuation staging areas, hazardous material handling and storage areas, emergency response equipment. The map currently submitted to the California Environmental Reporting System (CERS) does not clearly show the locations of the required components such as the locations of the emergency response equipment and the legends are not legible. Owner/operator failed to provide site map that clearly shows all the required information.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	384362
Site Name:	Air Products and Chemicals, Inc. - Carson
Violation Date:	09-25-2017
Citation:	22 CCR 15 66265.192(a) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.192(a)
Violation Description:	Failure to obtain and maintain a written assessment reviewed and certified by an independent, qualified, professional engineer prior to placing the tank system in service. The written assessment shall state that, the new hazardous waste tank system has sufficient structural integrity, is acceptable for the transferring, storing and treating of hazardous waste, and that the tanks and containment system including the foundation, structural support, seams, connections, and pressure controls (if applicable) are suitably designed to meet the regulation.
Violation Notes:	Returned to compliance on 10/05/2017.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS

Site ID:	384362
Site Name:	Air Products and Chemicals, Inc. - Carson
Violation Date:	09-06-2017
Citation:	19 CCR 4.5 2750.1 - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2750.1
Violation Description:	Failure to comply with Sections 2750.2 through 2750.9
Violation Notes:	Returned to compliance on 10/05/2017. Revise Offsite Consequence Analysis (OCA) narratives to correspond to the data entered into the RMP Comp software. The data for the OCA section on the Risk Management Plan (RMP) is inconsistent with the data entered into the RMP Comp software. For example, the narrative stated that 447 lbs of ammonia is assumed to be released over a 2 minute period for the toxic alternative release scenario but the data on RMP Comp show a 200 gal release over a 10 minute period. Another example, the narrative stated that 6,800 lbs of flammable substance is assumed to be released for the flammable worst case release scenario but the data on RMP Comp show 947 lbs and 641 lbs to be released for hydrogen and methane,

AIR PRODUCTS AND CHEMICAL INC (Continued) **S112897061**

	respectively. Owner/operator failed to ensure the proper and consistent parameters are used for the OCA.
Violation Division:	Los Angeles County Fire Department
Violation Program:	CalARP
Violation Source:	CERS
Site ID:	384362
Site Name:	Air Products and Chemicals, Inc. - Carson
Violation Date:	09-06-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 10/05/2017. Log onto the California Environmental Reporting System (CERS) web site to correct the deficiencies in the HAZARDOUS MATERIALS INVENTORY section. Observed the following corrections required; 1. Hydrogen and flammable mixtures containing hydrogen and methane need to be reported in pounds, 2. Ensure all reportable hazardous materials are properly reported; the inventories for propane and argon are under reported; 3. Ensure the Hazardous Components sections are completed for all entries; these sections are left blank for several hazardous materials including the entries for the hydrogen and various compressed gases. Operator failed to properly report hazardous materials to the California Environmental Reporting System (CERS).
Violation Division:	Los Angeles County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	384362
Site Name:	Air Products and Chemicals, Inc. - Carson
Violation Date:	09-06-2017
Citation:	19 CCR 4.5 2745.10(b) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2745.10(b)
Violation Description:	Failure to revise, update, and submit the Risk Management Plan to the United States Environmental Protection Agency and the Administering Agency as follows: 1. At least once every five years from the date of its initial submission or most recent update required by section 2745.10(a)(2) through (7); 2. No later than three years after a newly regulated substance is first listed by the United States Environmental Protection Agency; 3. No later than the date on which on which a new regulated substance is first present in an already covered process above a threshold quantity; 4. No later than the date on which a regulated substance is first present above a threshold quantity in a new process; 5. Within six months of a change that requires a revised process hazard analysis or hazard review. 6. Within six months of a change that requires a revised offsite consequence analysis as provided in section 2750.7; 7. Within six months of a change that alters the program level that applied to any covered process.
Violation Notes:	Returned to compliance on 10/05/2017. Ensure RMP updates that are submitted to the US EPA are also submitted to the LA County Fire Department/Administering Agency. Update in the Offsite Consequence Analysis was submitted to the US EPA in April 2017 but was not submitted to the LA County Fire Department. Owner/operator failed to submit RMP update to the local Administering Agency.
Violation Division:	Los Angeles County Fire Department

AIR PRODUCTS AND CHEMICAL INC (Continued) **S112897061**

Violation Program: CalARP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-05-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Gustavo Bahena, Operator Jose Guerrero, Maintenance Tech Ramsey Haddad, Principal Environmental Engineer
Eval Division: Los Angeles County Fire Department
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-05-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Gustavo Bahena, Operator Jose Guerrero, Maintenance Tech Ramsey Haddad, Principal Environmental Engineer
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-02-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-02-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: INSPECTED BY M. ORDONEZ CONSENT GIVEN BY MATT PITCHER
Eval Division: Los Angeles County Fire Department
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-02-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: INSPECTED BY M. ORDONEZ CONSENT GIVEN BY MATT PITCHER
Eval Division: Los Angeles County Fire Department
Eval Program: CalARP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-02-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: INSPECTED BY M. ORDONEZ CONSENT GIVEN BY MATT PITCHER
Eval Division: Los Angeles County Fire Department

AIR PRODUCTS AND CHEMICAL INC (Continued) **S112897061**

Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-02-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: INSPECTED BY M. ORDONEZ CONSENT GIVEN BY MATT PITCHER
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-06-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Roger Han
Eval Division: Los Angeles County Fire Department
Eval Program: CalARP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-06-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Roger Han
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-25-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Patrick Anstine, Site Supervisor. No significant violations observed at the time of inspection.
Eval Division: Los Angeles County Fire Department
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-25-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Patrick Anstine, Site Supervisor.
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 09-29-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: CalARP
Eval Source: CERS

AIR PRODUCTS AND CHEMICAL INC (Continued) **S112897061**

Eval General Type: Other/Unknown
Eval Date: 10-03-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 10-05-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: CalARP
Eval Source: CERS

Affiliation:
Affiliation Type Desc: Document Preparer
Entity Name: Jim Reebel
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 23300 South Alameda Street
Affiliation City: Carson
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90810
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Corporation
Entity Name: Air Products and Chemicals, Inc.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: CUPA District
Entity Name: Los Angeles County Fire
Entity Title: Not reported
Affiliation Address: 5825 Rickenbacker Road
Affiliation City: Commerce
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90040-3027

AIR PRODUCTS AND CHEMICAL INC (Continued) **S112897061**

Affiliation Phone:	(323) 890-4000
Affiliation Type Desc:	Environmental Contact
Entity Name:	Jim Reebel
Entity Title:	Not reported
Affiliation Address:	23300 South Alameda Street
Affiliation City:	Carson
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90810
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Jim Reebel
Entity Title:	Pr. Environmental Engineer
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	Air Products & Chemicals, Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(310) 847-7300
Affiliation Type Desc:	Legal Owner
Entity Name:	Air Products & Chemicals, Inc.
Entity Title:	Not reported
Affiliation Address:	7201 Hamilton Boulevard
Affiliation City:	Allentown
Affiliation State:	PA
Affiliation Country:	United States
Affiliation Zip:	18195
Affiliation Phone:	(610) 481-4911
Name:	AIR PRODUCTS & CHEMICALS INC.
Address:	23300 S ALAMEDA ST
City,State,Zip:	CARSON, CA 90810
Site ID:	90248
CERS ID:	90810RPRDS23300
CERS Description:	Toxic Release Inventory

Affiliation:

Affiliation Type Desc:	Public Contact
Entity Name:	ROGER HAN
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported

AIR PRODUCTS AND CHEMICAL INC (Continued) **S112897061**

Affiliation Zip: 90810
Affiliation Phone: 3109529172

Affiliation Type Desc: Parent Company
Entity Name: Air Products & Chemicals Inc
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: 90810
Affiliation Phone: Not reported

Affiliation Type Desc: Company Official
Entity Name: Roger Han
Entity Title: Plant Manager
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: 90810
Affiliation Phone: Not reported

Affiliation Type Desc: Technical Contact
Entity Name: Jim Reebel
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: 90810
Affiliation Phone: 3108477300

Name: AIR PRODUCTS & CHEMICALS INCORPORATED
Address: 23300 SOUTH ALAMEDA STREET
City,State,Zip: CARSON, CA 90810-1921
Site ID: 450034
CERS ID: 110002305443
CERS Description: US EPA Air Emission Inventory System (EIS)

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: JIM C REEBEL
Entity Title: SR. ENVI ENG
Affiliation Address: 23300 S ALAMEDA STREET
Affiliation City: CARSON
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Public Contact
Entity Name: CHRIS MCWILLIAMS
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported

AIR PRODUCTS AND CHEMICAL INC (Continued) **S112897061**

Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: JIM REEBEL
Entity Title: ENVIRONMENTAL CONTACT
Affiliation Address: 23300 SOUTH ALAMEDA STREET
Affiliation City: CARSON
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Owner
Entity Name: AIR PROD AND CHEM
Entity Title: OWNER
Affiliation Address: 7201 HAMILTON BOULEVARD
Affiliation City: ALLENTOWN
Affiliation State: PA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: AIR PROD AND CHEM
Entity Title: OPERATOR
Affiliation Address: 23300 SOUTH ALAMEDA STREET
Affiliation City: CARSON
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: Chris McWilliams
Entity Title: Plant Manager
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: CHRISTOPHER M MC WILLIAMS
Entity Title: AREA PLANT MANAGER
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: MATT PITCHER
Entity Title: SITE SUPERVISOR

AIR PRODUCTS AND CHEMICAL INC (Continued) **S112897061**

Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

HWTS:

Name:	AIR PRODUCTS AND CHEMICAL INC
Address:	23300 S ALAMEDA ST
Address 2:	Not reported
City,State,Zip:	CARSON, CA 908100000
EPA ID:	CAC002102136
Inactive Date:	01/01/1900
Create Date:	09/15/1998
Last Act Date:	08/30/1999
Mailing Name:	GEG ENV DEPT
Mailing Address:	7201 HAMILTON BLVD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	ALLENTOWN, PA 181951501
Owner Name:	AIR PRODUCTS AND CHEMICAL INC
Owner Address:	7201 HAMILTON BLVD
Owner Address 2:	Not reported
Owner City,State,Zip:	ALLENTOWN, PA 181951501
Contact Name:	KENT KISENBAUER-ENV ENGIN
Contact Address:	7201 HAMILTON BLVD
Contact Address 2:	Not reported
City,State,Zip:	ALLENTOWN, PA 181951501

B22 **AST** **A100344785**
WNW **23300 S ALAMEDA ST** **N/A**
< 1/8 **CARSON, CA**
0.001 mi.
7 ft. **Site 4 of 4 in cluster B**

Relative:
Higher

Actual:
22 ft.

AST:

Name:	Not reported
Address:	23300 S ALAMEDA ST
City/Zip:	CARSON,
Certified Unified Program Agencies:	Los Angeles County
Owner:	AIR PRODUCTS CARSON HYDROGEN
Total Gallons:	3702
CERSID:	Not reported
Facility ID:	Not reported
Business Name:	Not reported
Phone:	Not reported
Fax:	Not reported
Mailing Address:	Not reported
Mailing Address City:	Not reported
Mailing Address State:	Not reported
Mailing Address Zip Code:	Not reported
Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	Not reported
Owner State:	Not reported

(Continued) **A100344785**

Owner Zip Code:	Not reported
Owner Country:	Not reported
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Not reported

---

23 **ARCO (CARSON TERMINAL)** **LUST** **S101295817**
SSE **2149 SEPULVEDA** **HIST CORTESE** **N/A**
< 1/8 **CARSON, CA 90810**
0.027 mi.
143 ft.

Relative: **Higher**

Actual: **21 ft.**

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	R-13337	
Status:	Pollution Characterization	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Groundwater	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603705191	
W Global ID:	Not reported	
Staff:	SLC	
Local Agency:	19000	
Cross Street:	Not reported	
Enforcement Type:	Not reported	
Date Leak Discovered:	6/20/1989	
Date Leak First Reported:		7/7/1989
Date Leak Record Entered:	7/26/1989	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		7/24/1992
Date the Case was Closed:		Not reported
How Leak Discovered:	Inventory Control	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	BILLINGS, PATRICK	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		7188.92901516163854641045741 93
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		3/10/1989
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported

ARCO (CARSON TERMINAL) (Continued) **S101295817**

Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: ARCO
RP Address: 8600 S GARFIELD AVE, SOUTH GATE, CA 90280
Program: LUST
Lat/Long: 33.8069106 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: LOP/LOW - MINOR OR NO POTENTIAL WATER RESOURCE IMPACT
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: TWO UNDERGROUND TANKS WERE INVESTIGATED. OLD CASE #080289-04. THIS IS A SLIC SITE BEING HANDLED BY PAUL CHO

HIST CORTESE:
edr_fname: ARCO (CARSON TERMINAL)
edr_fadd1: 2149 SEPULVEDA
City,State,Zip: CARSON, CA 90810
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: R-13337

24
NNW
< 1/8
0.123 mi.
647 ft.

TEXACO **Notify 65** **S100178415**
232000 S. ALAMEDA **N/A**
CARSON, CA

Relative:
Higher

Actual:
23 ft.

NOTIFY 65:
Name: TEXACO
Address: 232000 S. ALAMEDA
City,State,Zip: CARSON, CA
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Issue Date: Not reported
Incident Description: Not reported
Global ID: Not reported
Status: Not reported

C25
North
1/8-1/4
0.139 mi.
736 ft.

23208 S ALAMEDA ST
CARSON, CA

Site 1 of 5 in cluster C

AST **A100344782**
N/A

Relative:
Higher

Actual:
23 ft.

AST:

Name:	Not reported
Address:	23208 S ALAMEDA ST
City/Zip:	CARSON,
Certified Unified Program Agencies:	Los Angeles County
Owner:	TESORO REFINING AND MARKETING COMP
Total Gallons:	3702
CERSID:	Not reported
Facility ID:	Not reported
Business Name:	Not reported
Phone:	Not reported
Fax:	Not reported
Mailing Address:	Not reported
Mailing Address City:	Not reported
Mailing Address State:	Not reported
Mailing Address Zip Code:	Not reported
Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	Not reported
Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Country:	Not reported
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Not reported

C26
North
1/8-1/4
0.139 mi.
736 ft.

TESORO REFINING AND MARKETING CO
23208 S ALAMEDA ST
CARSON, CA 90810

Site 2 of 5 in cluster C

AST
CERS HAZ WASTE
HIST UST
CERS TANKS
CHMIRS
EMI
HAZNET
HWP
CERS
HWTS

U001566261
N/A

Relative:
Higher

Actual:
23 ft.

AST:

Name:	TESORO REFINING AND MARKETING CO
Address:	23208 S ALAMEDA ST
City/Zip:	CARSON,90810
Certified Unified Program Agencies:	Not reported
Owner:	TESORO REFINING & MARKETING COMPANY LLC
Total Gallons:	Not reported
CERSID:	10263403
Facility ID:	LACoFA0002133
Business Name:	TESORO REFINING AND MARKETING CO
Phone:	310 847-5209

TESORO REFINING AND MARKETING CO (Continued) **U001566261**

Fax:	Not reported
Mailing Address:	2101 E PACIFIC COAST HWY
Mailing Address City:	WILMINGTON
Mailing Address State:	CA
Mailing Address Zip Code:	90744
Operator Name:	DAVID L. FOSTER
Operator Phone:	310 847-5209
Owner Phone:	310 522 6000
Owner Mail Address:	2101 EAST PACIFIC COAST HWY
Owner State:	CA
Owner Zip Code:	90744
Owner Country:	United States
Property Owner Name:	Tesoro Refining & Marketing Company LLC
Property Owner Phone:	310 522 6000
Property Owner Mailing Address:	2101 East Pacific Coast Hwy
Property Owner City:	Wilmington
Property Owner Stat :	CA
Property Owner Zip Code:	90744
Property Owner Country:	United States
EPAID:	CAT000646331

CERS HAZ WASTE:

Name:	TESORO REFINING AND MARKETING CO
Address:	23208 S ALAMEDA ST
City,State,Zip:	CARSON, CA 90810
Site ID:	403656
CERS ID:	10263403
CERS Description:	RCRA LQ HW Generator

Name:	TESORO REFINING AND MARKETING CO
Address:	23208 S ALAMEDA ST
City,State,Zip:	CARSON, CA 90810
Site ID:	403656
CERS ID:	10263403
CERS Description:	Hazardous Chemical Management

Name:	TESORO REFINING AND MARKETING CO
Address:	23208 S ALAMEDA ST
City,State,Zip:	CARSON, CA 90810
Site ID:	403656
CERS ID:	10263403
CERS Description:	Hazardous Waste Generator

HIST UST:

Name:	SULFUR RECOVERY PLANT
Address:	23208 S ALAMEDA ST
City,State,Zip:	CARSON, CA 90810
File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000066990
Facility Type:	Other
Other Type:	SULFUR RECOVERY
Contact Name:	D. E. REYNOLDS
Telephone:	2138358261
Owner Name:	TEXACO REFINING & MARKETING IN

TESORO REFINING AND MARKETING CO (Continued) **U001566261**

Owner Address: 1111 RUSK AVENUE
Owner City,St,Zip: HOUSTON, TX 77002
Total Tanks: 0001

Tank Num: 001
Container Num: T-909
Year Installed: Not reported
Tank Capacity: 00001000
Tank Used for: WASTE
Type of Fuel: 2
Container Construction Thickness: X
Leak Detection: Stock Inventor

CERS TANKS:
Name: TESORO REFINING AND MARKETING CO
Address: 23208 S ALAMEDA ST
City,State,Zip: CARSON, CA 90810
Site ID: 403656
CERS ID: 10263403
CERS Description: Aboveground Petroleum Storage

CHMIRS:
Name: Not reported
Address: 23208 S. ALAMEDA ST
City,State,Zip: CARSON, CA
OES Incident Number: 16-5200
OES notification: 08/26/2016
OES Date: Not reported
OES Time: Not reported
Date Completed: Not reported
Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported
Time Completed: Not reported
Surrounding Area: Not reported
Estimated Temperature: Not reported
Property Management: Not reported
More Than Two Substances Involved?: Not reported
Resp Agncy Personel # Of Decontaminated: Not reported
Responding Agency Personel # Of Injuries: Not reported
Responding Agency Personel # Of Fatalities: Not reported
Others Number Of Decontaminated: Not reported
Others Number Of Injuries: Not reported
Others Number Of Fatalities: Not reported
Vehicle Make/year: Not reported
Vehicle License Number: Not reported
Vehicle State: Not reported
Vehicle Id Number: Not reported
CA DOT PUC/ICC Number: Not reported
Company Name: Not reported
Reporting Officer Name/ID: Not reported
Report Date: Not reported
Facility Telephone: Not reported
Waterway Involved: No
Waterway: n/a

TESORO REFINING AND MARKETING CO (Continued) **U001566261**

Spill Site:	Refinery
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	VAPOR
Measure:	Unknown
Other:	Not reported
Date/Time:	1300
Year:	2016
Agency:	Tesoro
Incident Date:	08/26/2016
Admin Agency:	LACoFD Health Haz-Mat
Amount:	Not reported
Contained:	No
Site Type:	n/a
E Date:	Not reported
Substance:	SO2, H2S and Steam
Quantity Released:	unknown
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	RP states: Sulfur tank at sulfur recovery plant compromised resulting in the release of an unknown amount of SO2, H2S and Steam to the air. Release is not contained and is still releasing. There is visible steam coming from the facility. Tesoro is worki

EMI:

Name:	TEXACO REFINING & MARKETING IN
Address:	23208 S ALAMEDA ST
City,State,Zip:	CARSON, CA 90810
Year:	1987
County Code:	19
Air Basin:	SC
Facility ID:	800222
Air District Name:	SC
SIC Code:	2819
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported

TESORO REFINING AND MARKETING CO (Continued) **U001566261**

Total Organic Hydrocarbon Gases Tons/Yr:	14
Reactive Organic Gases Tons/Yr:	8
Carbon Monoxide Emissions Tons/Yr:	134
NOX - Oxides of Nitrogen Tons/Yr:	156
SOX - Oxides of Sulphur Tons/Yr:	26
Particulate Matter Tons/Yr:	13
Part. Matter 10 Micrometers and Smllr Tons/Yr:	13

Name:	TEXACO REFINING & MARKETING IN
Address:	23208 S ALAMEDA ST
City,State,Zip:	CARSON, CA 90810
Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	800222
Air District Name:	SC
SIC Code:	2819
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	15
Reactive Organic Gases Tons/Yr:	10
Carbon Monoxide Emissions Tons/Yr:	127
NOX - Oxides of Nitrogen Tons/Yr:	109
SOX - Oxides of Sulphur Tons/Yr:	156
Particulate Matter Tons/Yr:	12
Part. Matter 10 Micrometers and Smllr Tons/Yr:	12

Name:	TEXACO REFINING & MARKETING IN
Address:	23208 S ALAMEDA ST
City,State,Zip:	CARSON, CA 90810
Year:	1995
County Code:	19
Air Basin:	SC
Facility ID:	800222
Air District Name:	SC
SIC Code:	2819
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	25
Reactive Organic Gases Tons/Yr:	8
Carbon Monoxide Emissions Tons/Yr:	134
NOX - Oxides of Nitrogen Tons/Yr:	85
SOX - Oxides of Sulphur Tons/Yr:	9
Particulate Matter Tons/Yr:	5
Part. Matter 10 Micrometers and Smllr Tons/Yr:	5

Name:	TEXACO REFINING & MARKETING IN
Address:	23208 S ALAMEDA ST
City,State,Zip:	CARSON, CA 90810
Year:	1996
County Code:	19
Air Basin:	SC
Facility ID:	800222
Air District Name:	SC
SIC Code:	2819

TESORO REFINING AND MARKETING CO (Continued) **U001566261**

Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	26
Reactive Organic Gases Tons/Yr:	12
Carbon Monoxide Emissions Tons/Yr:	136
NOX - Oxides of Nitrogen Tons/Yr:	32
SOX - Oxides of Sulphur Tons/Yr:	70
Particulate Matter Tons/Yr:	9
Part. Matter 10 Micrometers and Smllr Tons/Yr:	8

Name:	TEXACO REFINING & MARKETING IN
Address:	23208 S ALAMEDA ST
City,State,Zip:	CARSON, CA 90810
Year:	1997
County Code:	19
Air Basin:	SC
Facility ID:	800222
Air District Name:	SC
SIC Code:	2819
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	14
Reactive Organic Gases Tons/Yr:	7
Carbon Monoxide Emissions Tons/Yr:	150
NOX - Oxides of Nitrogen Tons/Yr:	29
SOX - Oxides of Sulphur Tons/Yr:	27
Particulate Matter Tons/Yr:	5
Part. Matter 10 Micrometers and Smllr Tons/Yr:	4

Name:	TEXACO REFINING & MARKETING IN
Address:	23208 S ALAMEDA ST
City,State,Zip:	CARSON, CA 90810
Year:	1998
County Code:	19
Air Basin:	SC
Facility ID:	800222
Air District Name:	SC
SIC Code:	2819
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	14
Reactive Organic Gases Tons/Yr:	6
Carbon Monoxide Emissions Tons/Yr:	150
NOX - Oxides of Nitrogen Tons/Yr:	29
SOX - Oxides of Sulphur Tons/Yr:	27
Particulate Matter Tons/Yr:	5
Part. Matter 10 Micrometers and Smllr Tons/Yr:	4

Name:	TEXACO REFINING & MARKETING IN
Address:	23208 S ALAMEDA ST
City,State,Zip:	CARSON, CA 90810
Year:	2000
County Code:	19
Air Basin:	SC

TESORO REFINING AND MARKETING CO (Continued) **U001566261**

Facility ID:	800222
Air District Name:	SC
SIC Code:	2819
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	14
Reactive Organic Gases Tons/Yr:	7
Carbon Monoxide Emissions Tons/Yr:	150
NOX - Oxides of Nitrogen Tons/Yr:	29
SOX - Oxides of Sulphur Tons/Yr:	27
Particulate Matter Tons/Yr:	5
Part. Matter 10 Micrometers and Smllr Tons/Yr:	4

Name:	TESORO REFINING AND MARKETING CO
Address:	23208 S ALAMEDA ST
City,State,Zip:	CARSON, CA 90810
Year:	2006
County Code:	19
Air Basin:	SC
Facility ID:	151798
Air District Name:	SC
SIC Code:	2819
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	101.5371111819828097
Reactive Organic Gases Tons/Yr:	30.117
Carbon Monoxide Emissions Tons/Yr:	130.371
NOX - Oxides of Nitrogen Tons/Yr:	90.279
SOX - Oxides of Sulphur Tons/Yr:	56.86
Particulate Matter Tons/Yr:	33.81
Part. Matter 10 Micrometers and Smllr Tons/Yr:	31.7962

Name:	TESORO REFINING AND MARKETING CO
Address:	23208 S ALAMEDA ST
City,State,Zip:	CARSON, CA 90810
Year:	2007
County Code:	19
Air Basin:	SC
Facility ID:	151798
Air District Name:	SC
SIC Code:	2819
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	101.3625385979579172
Reactive Organic Gases Tons/Yr:	30.117
Carbon Monoxide Emissions Tons/Yr:	130.371
NOX - Oxides of Nitrogen Tons/Yr:	90.279
SOX - Oxides of Sulphur Tons/Yr:	56.86
Particulate Matter Tons/Yr:	33.81
Part. Matter 10 Micrometers and Smllr Tons/Yr:	31.80061

Name:	TESORO REFINING AND MARKETING CO
Address:	23208 S ALAMEDA ST
City,State,Zip:	CARSON, CA 90810

TESORO REFINING AND MARKETING CO (Continued) **U001566261**

Year:	2008
County Code:	19
Air Basin:	SC
Facility ID:	151798
Air District Name:	SC
SIC Code:	2819
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	110.6766760980480583
Reactive Organic Gases Tons/Yr:	30.3035324727
Carbon Monoxide Emissions Tons/Yr:	155.36
NOX - Oxides of Nitrogen Tons/Yr:	76.46
SOX - Oxides of Sulphur Tons/Yr:	22.39
Particulate Matter Tons/Yr:	36
Part. Matter 10 Micrometers and Smllr Tons/Yr:	33.9046

Name:	TESORO REFINING AND MARKETING CO
Address:	23208 S ALAMEDA ST
City,State,Zip:	CARSON, CA 90810
Year:	2009
County Code:	19
Air Basin:	SC
Facility ID:	151798
Air District Name:	SC
SIC Code:	2819
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	107.87706053478399
Reactive Organic Gases Tons/Yr:	29.793150472699999
Carbon Monoxide Emissions Tons/Yr:	149.06
NOX - Oxides of Nitrogen Tons/Yr:	65.260000000000005
SOX - Oxides of Sulphur Tons/Yr:	14.16
Particulate Matter Tons/Yr:	35.200000000000003
Part. Matter 10 Micrometers and Smllr Tons/Yr:	33.089599999999997

Name:	TESORO REFINING AND MARKETING CO
Address:	23208 S ALAMEDA ST
City,State,Zip:	CARSON, CA 90810
Year:	2010
County Code:	19
Air Basin:	SC
Facility ID:	151798
Air District Name:	SC
SIC Code:	2819
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	39.395247697043899
Reactive Organic Gases Tons/Yr:	30.692790160703598
Carbon Monoxide Emissions Tons/Yr:	162.11044000000001
NOX - Oxides of Nitrogen Tons/Yr:	60.485320000000002
SOX - Oxides of Sulphur Tons/Yr:	10.16896
Particulate Matter Tons/Yr:	36.652459999999998
Part. Matter 10 Micrometers and Smllr Tons/Yr:	32.823329000000001

TESORO REFINING AND MARKETING CO (Continued) **U001566261**

Name:	TESORO REFINING AND MARKETING CO
Address:	23208 S ALAMEDA ST
City,State,Zip:	CARSON, CA 90810
Year:	2011
County Code:	19
Air Basin:	SC
Facility ID:	151798
Air District Name:	SC
SIC Code:	2819
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	38.902916464
Reactive Organic Gases Tons/Yr:	30.45007492
Carbon Monoxide Emissions Tons/Yr:	152.62146
NOX - Oxides of Nitrogen Tons/Yr:	49.79992
SOX - Oxides of Sulphur Tons/Yr:	3.50159
Particulate Matter Tons/Yr:	34.26475
Part. Matter 10 Micrometers and Smllr Tons/Yr:	30.582423

Name:	TESORO REFINING AND MARKETING CO, LLC
Address:	23208 S ALAMEDA ST
City,State,Zip:	CARSON, CA 90810
Year:	2012
County Code:	19
Air Basin:	SC
Facility ID:	151798
Air District Name:	SC
SIC Code:	2819
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	155.85463638
Reactive Organic Gases Tons/Yr:	28.793952483
Carbon Monoxide Emissions Tons/Yr:	148.98806
NOX - Oxides of Nitrogen Tons/Yr:	44.45245
SOX - Oxides of Sulphur Tons/Yr:	9.31386
Particulate Matter Tons/Yr:	32.81598
Part. Matter 10 Micrometers and Smllr Tons/Yr:	31.830351

Name:	TESORO REFINING AND MARKETING CO, LLC
Address:	23208 S ALAMEDA ST
City,State,Zip:	CARSON, CA 90810
Year:	2013
County Code:	19
Air Basin:	SC
Facility ID:	151798
Air District Name:	SC
SIC Code:	2819
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	156.10957063
Reactive Organic Gases Tons/Yr:	28.739699593
Carbon Monoxide Emissions Tons/Yr:	144.7298
NOX - Oxides of Nitrogen Tons/Yr:	51.5297
SOX - Oxides of Sulphur Tons/Yr:	6.93559

TESORO REFINING AND MARKETING CO (Continued) **U001566261**

Particulate Matter Tons/Yr: 32.40033
Part. Matter 10 Micrometers and Smllr Tons/Yr: 31.421628

Name: TESORO REFINING AND MARKETING CO, LLC
Address: 23208 S ALAMEDA ST
City,State,Zip: CARSON, CA 90810
Year: 2014
County Code: 19
Air Basin: SC
Facility ID: 151798
Air District Name: SC
SIC Code: 2911
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 36.306367741
Reactive Organic Gases Tons/Yr: 29.95176949
Carbon Monoxide Emissions Tons/Yr: 147.51059
NOX - Oxides of Nitrogen Tons/Yr: 35.68702
SOX - Oxides of Sulphur Tons/Yr: 3.88646
Particulate Matter Tons/Yr: 33.56866
Part. Matter 10 Micrometers and Smllr Tons/Yr: 31.48817196

Name: TESORO REFINING AND MARKETING CO
Address: 23208 S ALAMEDA ST
City,State,Zip: CARSON, CA 90810
Year: 2015
County Code: 19
Air Basin: SC
Facility ID: 151798
Air District Name: SC
SIC Code: 2819
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 42.720301994
Reactive Organic Gases Tons/Yr: 36.993096026
Carbon Monoxide Emissions Tons/Yr: 144.46983223
NOX - Oxides of Nitrogen Tons/Yr: 38.2268925
SOX - Oxides of Sulphur Tons/Yr: 8.462473785
Particulate Matter Tons/Yr: 30.355429483
Part. Matter 10 Micrometers and Smllr Tons/Yr: 28.39421944

Name: TESORO REFINING AND MARKETING CO, LLC
Address: 23208 S ALAMEDA ST
City,State,Zip: CARSON, CA 90810
Year: 2016
County Code: 19
Air Basin: SC
Facility ID: 151798
Air District Name: SC
SIC Code: 2911
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 49.351987178
Reactive Organic Gases Tons/Yr: 38.28468181

TESORO REFINING AND MARKETING CO (Continued) **U001566261**

Carbon Monoxide Emissions Tons/Yr:	158.54
NOX - Oxides of Nitrogen Tons/Yr:	43.19
SOX - Oxides of Sulphur Tons/Yr:	6.538747
Particulate Matter Tons/Yr:	32.940424
Part. Matter 10 Micrometers and Smllr Tons/Yr:	30.877653198

Name:	TESORO REFINING AND MARKETING CO, LLC
Address:	23208 S ALAMEDA ST
City,State,Zip:	CARSON, CA 90810
Year:	2017
County Code:	19
Air Basin:	SC
Facility ID:	151798
Air District Name:	SC
SIC Code:	2911
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	37.888532755
Reactive Organic Gases Tons/Yr:	29.25374914
Carbon Monoxide Emissions Tons/Yr:	166.27785
NOX - Oxides of Nitrogen Tons/Yr:	53.890203
SOX - Oxides of Sulphur Tons/Yr:	6.9707246
Particulate Matter Tons/Yr:	32.9203407
Part. Matter 10 Micrometers and Smllr Tons/Yr:	30.898151197

Name:	TESORO REFINING AND MARKETING CO, LLC
Address:	23208 S ALAMEDA ST
City,State,Zip:	CARSON, CA 90810
Year:	2018
County Code:	19
Air Basin:	SC
Facility ID:	151798
Air District Name:	SC
SIC Code:	9999
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	42.435205762
Reactive Organic Gases Tons/Yr:	30.877063019
Carbon Monoxide Emissions Tons/Yr:	190.6098886
NOX - Oxides of Nitrogen Tons/Yr:	46.5715915
SOX - Oxides of Sulphur Tons/Yr:	5.071090934
Particulate Matter Tons/Yr:	34.862365837
Part. Matter 10 Micrometers and Smllr Tons/Yr:	32.740983084

Name:	TESORO REFINING AND MARKETING CO, LLC
Address:	23208 S ALAMEDA ST
City,State,Zip:	CARSON, CA 90810
Year:	2019
County Code:	19
Air Basin:	SC
Facility ID:	151798
Air District Name:	SC
SIC Code:	8732
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported

TESORO REFINING AND MARKETING CO (Continued) **U001566261**

Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	37.280386197
Reactive Organic Gases Tons/Yr:	29.399788708
Carbon Monoxide Emissions Tons/Yr:	162.63261285
NOX - Oxides of Nitrogen Tons/Yr:	47.1829683
SOX - Oxides of Sulphur Tons/Yr:	4.624778615
Particulate Matter Tons/Yr:	33.035795182
Part. Matter 10 Micrometers and Smllr Tons/Yr:	30.828611592

HAZNET:

Name:	TESORO SOCAL PIPELINE CO, LLC
Address:	23208 S ALAMEDA ST
Address 2:	Not reported
City,State,Zip:	CARSON, CA 908101919
Contact:	STEPHEN D. COMLEY
Telephone:	5627282265
Mailing Name:	Not reported
Mailing Address:	5905 N PARAMOUNT BLVD
Year:	2016
Gepaid:	CAC002858863
TSD EPA ID:	AZD081705402
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.475

HWP:

EPA ID:	CAT000646331
Name:	TESORO REFINING & MARKETING COMPANY-SULFUR RECOVERY PLANT
Address:	23208 S ALAMEDA ST
Cleanup Status:	CLOSED
Latitude:	33.81398
Longitude:	-118.2311
Facility Type:	Historical - Non-Operating
Facility Size:	Not reported
Supervisor:	Not reported
Site Code:	N/A
Senate District:	35
Assembly District:	64
Public Information Officer:	Not reported
Commercial Offsite Facility Types:	Not reported
Quarterly Update:	This facility is also known as Texaco USA/Equilon Enterprises LLC. Files are very limited for this site. Original Part A & ISD could not be found in files. However, per inspection reports, facility submitted Part A application on November 1980. On 3/30/81, ISD was issued. Facility units consisted of two storage tanks: Tank 602 and Tank 7506. Tank 602 stored Spent Stretford Solution and Tank 7506 stored Stretford Wastewater solution. In the Part A & ISD, there may also have been a container storage unit as well. However, this can't be confirmed. The two storage tanks were verified closed on 3/6/90. There were no corrective action related files found in files. It is likely no Corrective Action was conducted after facility obtained clean closure.
Project Manager Lead:	Not reported

TESORO REFINING AND MARKETING CO (Continued) **U001566261**

Project Manager: Not reported
Permit Type: RCRA
Permit Effective Date: Not reported
Permit Expiration Date: Not reported
Calenviroscreen Score: NA
Total Planned Hours: Not reported
Total Planned Amount: Not reported
Total Actual Hours: Not reported

Activities:

EPA ID: CAT000646331
Facility Type: Historical - Non-Operating
Facility Name: TESORO REFINING & MARKETING COMPANY-SULFUR RECOVERY PLANT
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Status: CLOSED
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1989-02-23 00:00:00
Type: RCRA
Title Description: Imported 12/2011:PERMIT1
Due Date: Not reported
Comments: INTENDS/CLOSED ALL WASTE HANDLING FACILITY, INTENDS/CLOSED ALL WASTE HANDLING FACILITY, Approved Request
Unit Names: Not reported
Event Description: New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST ACKNOWLEDGED
Actual Date: 02/23/1989

EPA ID: CAT000646331
Facility Type: Historical - Non-Operating
Facility Name: TESORO REFINING & MARKETING COMPANY-SULFUR RECOVERY PLANT
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Status: CLOSED
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1989-02-23 00:00:00
Type: RCRA
Title Description: Imported 12/2011:PERMIT1
Due Date: Not reported
Comments: INTENDS/CLOSED ALL WASTE HANDLING FACILITY, INTENDS/CLOSED ALL WASTE HANDLING FACILITY, Approved Request
Unit Names: Not reported
Event Description: New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST RECEIVED
Actual Date: 08/03/1984

EPA ID: CAT000646331
Facility Type: Historical - Non-Operating
Facility Name: TESORO REFINING & MARKETING COMPANY-SULFUR RECOVERY PLANT
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Status: CLOSED
Activity Type: New Operating Permit

TESORO REFINING AND MARKETING CO (Continued) **U001566261**

Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1989-02-23 00:00:00
Type: RCRA
Title Description: Imported 12/2011:PERMIT1
Due Date: Not reported
Comments: Per inspection report
Unit Names: Not reported
Event Description: New Operating Permit - APPLICATION PART A RECEIVED
Actual Date: 11/01/1980

EPA ID: CAT000646331
Facility Type: Historical - Non-Operating
Facility Name: TESORO REFINING & MARKETING COMPANY-SULFUR RECOVERY PLANT
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Status: CLOSED
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1989-02-23 00:00:00
Type: RCRA
Title Description: Imported 12/2011:PERMIT1
Due Date: Not reported
Comments: Not reported
Unit Names: Not reported
Event Description: New Operating Permit - CALL-IN LETTER ISSUED
Actual Date: 11/06/1985

Closure:
EPA ID: CAT000646331
Facility Type: Historical - Non-Operating
Facility Name: TESORO REFINING & MARKETING COMPANY-SULFUR RECOVERY PLANT
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Size: Not reported
Facility Status: CLOSED
Activity Type: Closure Final
Final Date: Not reported
Type: RCRA
Title Description: Closure
Due Date: Not reported
Comments: Closure certification submitted
Unit Names: TANKSTR1
Event Description: Closure Final - RECEIVE CLOSURE CERTIFICATION
Actual Date: 12/05/1989

EPA ID: CAT000646331
Facility Type: Historical - Non-Operating
Facility Name: TESORO REFINING & MARKETING COMPANY-SULFUR RECOVERY PLANT
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Size: Not reported
Facility Status: CLOSED

TESORO REFINING AND MARKETING CO (Continued) **U001566261**

Activity Type:	Closure Final
Final Date:	Not reported
Type:	RCRA
Title Description:	Closure
Due Date:	Not reported
Comments:	Closure verified.
Unit Names:	TANKSTR1
Event Description:	Closure Final - ISSUE CLOSURE VERIFICATION
Actual Date:	03/06/1990

Alias:

EPA ID:	CAT000646331
Facility Type:	Historical - Non-Operating
Facility Name:	TESORO REFINING & MARKETING COMPANY-SULFUR RECOVERY PLANT
Facility Status:	CLOSED
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Alias Type:	FRS
Alias:	110000746667

EPA ID:	CAT000646331
Facility Type:	Historical - Non-Operating
Facility Name:	TESORO REFINING & MARKETING COMPANY-SULFUR RECOVERY PLANT
Facility Status:	CLOSED
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Alias Type:	Project Code (Site Code)
Alias:	N/A

CERS:

Name:	TESORO SULFUR RECOVERY PLANT
Address:	23208 S ALAMEDA STEET
City,State,Zip:	CARSON, CA 90810
Site ID:	160431
CERS ID:	90810TXCRF23208
CERS Description:	Toxic Release Inventory

Affiliation:

Affiliation Type Desc:	Company Official
Entity Name:	james jeter
Entity Title:	Manager, Environmental, Health and Safety
Affiliation Address:	2101 E PACIFIC COAST HIGHWAY
Affiliation City:	WILMINGTON
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90810
Affiliation Phone:	Not reported

Affiliation Type Desc:	Public Contact
Entity Name:	James Jeter
Entity Title:	Not reported
Affiliation Address:	2101 E PACIFIC COAST HIGHWAY
Affiliation City:	WILMINGTON
Affiliation State:	CA

TESORO REFINING AND MARKETING CO (Continued) **U001566261**

Affiliation Country: Not reported
Affiliation Zip: 90810
Affiliation Phone: 3105226148

Affiliation Type Desc: Technical Contact
Entity Name: LUCINA LOPEZ
Entity Title: Not reported
Affiliation Address: 2101 E PACIFIC COAST HIGHWAY
Affiliation City: WILMINGTON
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90810
Affiliation Phone: 3105224933

Affiliation Type Desc: Parent Company
Entity Name: Tesoro Corp
Entity Title: Not reported
Affiliation Address: 2101 E PACIFIC COAST HIGHWAY
Affiliation City: WILMINGTON
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90810
Affiliation Phone: Not reported

Name: TESORO REFINING AND MARKETING CO
Address: 23208 S ALAMEDA ST
City,State,Zip: CARSON, CA 90810
Site ID: 403656
CERS ID: 10263403
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 403656
Site Name: TESORO REFINING AND MARKETING CO
Violation Date: 09-26-2017
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 10/10/2017. OBSERVATION: Owner/Operator failed to adequately label hazardous materials. Observed more than twenty empty drums (55 gallons each) stored at the "haz-pad" area without an "EMPTY" label and date the drum was emptied. CORRECTIVE ACTION: Hazardous materials that are mislabeled or not adequately labeled must be properly labeled within 10 days or be managed as a hazardous waste. 22 CCR11 66261.2(f)
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 403656
Site Name: TESORO REFINING AND MARKETING CO
Violation Date: 09-26-2017
Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description: Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted

TESORO REFINING AND MARKETING CO (Continued) **U001566261**

for transport shall be kept until receiving a signed copy from the designated facility which received the waste.

Violation Notes: Returned to compliance on 10/10/2017. OBSERVATION: Uniform Hazardous Waste Manifests for the waste sludge, used oil, waste aerosols, waste absorbent, and other HW solids were not available at the time of inspection. CORRECTIVE ACTION: Locate a copy of all manifests for waste sludge, used oil, waste aerosols, waste absorbent, and other HW solids and submit copies to the CUPA.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 403656
Site Name: TESORO REFINING AND MARKETING CO
Violation Date: 09-26-2017
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to implement the SPCC Plan.
Violation Notes: Returned to compliance on 09/27/2017. OBSERVATION: Failure to implement SPCC. Observed no SPCC plan on site for review. CORRECTIVE ACTION: Implement SPCC.
Violation Division: Los Angeles County Fire Department
Violation Program: APSA
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-30-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-30-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspected by R. Doom
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-27-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: CalARP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-27-2014
Violations Found: No
Eval Type: Routine done by local agency

TESORO REFINING AND MARKETING CO (Continued) **U001566261**

Eval Notes:	Not reported
Eval Division:	Los Angeles County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-26-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Steven D. Tate, Environmental Specialist. Richard Koza, Shift Supervisor.
Eval Division:	Los Angeles County Fire Department
Eval Program:	APSA
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-26-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Steven D. Tate, Environmental Specialist. Richard Koza, Shift Supervisor.
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-17-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Jocelyn Ching
Eval Division:	Los Angeles County Fire Department
Eval Program:	CalARP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-17-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Jocelyn Ching
Eval Division:	Los Angeles County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	12-07-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Reviewed emailed documented and photographic proof of complaince. NOV abated.
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	12-07-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency

TESORO REFINING AND MARKETING CO (Continued) **U001566261**

Eval Notes: Reviewed emailed documented proof of complaince. NOV abated.
Eval Division: Los Angeles County Fire Department
Eval Program: APSA
Eval Source: CERS

Coordinates:
Site ID: 403656
Facility Name: TESORO REFINING AND MARKETING CO
Env Int Type Code: APSA
Program ID: 10263403
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.813990
Longitude: -118.231170

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Los Angeles County Fire
Entity Title: Not reported
Affiliation Address: 5825 Rickenbacker Road
Affiliation City: Commerce
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90040-3027
Affiliation Phone: (323) 890-4000

Affiliation Type Desc: Identification Signer
Entity Name: DENIS KURT
Entity Title: SENIOR MANAGER, EH&S
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Property Owner
Entity Name: TESORO REFINING & MARKETING COMPANY LLC
Entity Title: Not reported
Affiliation Address: C/O 2350 E. 223rd St.,
Affiliation City: Carson
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90810
Affiliation Phone: (310) 522-6000

Affiliation Type Desc: Document Preparer
Entity Name: Gemma Cortes-Fernandez
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

TESORO REFINING AND MARKETING CO (Continued) **U001566261**

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 2350 E. 223rd St., - Attn: Gemma Cortes-Fernandez
Affiliation City: Carson
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90810
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: TESORO - SULFUR RECOVERY PLANT (SRP)
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (310) 522-6000

Affiliation Type Desc: Parent Corporation
Entity Name: TESORO REFINING AND MARKETING CO
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: Tesoro Refining & Marketing Company LLC
Entity Title: Not reported
Affiliation Address: 2350 E. 223rd St. -- Attn: Gemma Cortes-Fernandez
Affiliation City: Carson
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90810
Affiliation Phone: (310) 522-6000

Name: TESORO REFINING & MA
Address: 23208 S ALAMEDA ST
City,State,Zip: CARSON, CA 908101919
Site ID: 343823
CERS ID: 80001817
CERS Description: Corrective Action

Affiliation:
Affiliation Type Desc: Lead Project Manager
Entity Name: KATHERINE GOULD
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: CYPRESS
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

TESORO REFINING AND MARKETING CO (Continued) **U001566261**

Affiliation Type Desc:	Supervisor
Entity Name:	JU-TSENG LIU
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

HWTS:

Name:	TESORO SOCAL PIPELINE CO, LLC
Address:	23208 S ALAMEDA ST
Address 2:	Not reported
City,State,Zip:	CARSON, CA 908101919
EPA ID:	CAC002858863
Inactive Date:	07/30/2016
Create Date:	04/29/2016
Last Act Date:	07/30/2016
Mailing Name:	Not reported
Mailing Address:	5905 N PARAMOUNT BLVD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	LONG BEACH, CA 908053709
Owner Name:	TESORO SOCAL PIPELINE CO., LLC
Owner Address:	5905 N PARAMOUNT BLVD
Owner Address 2:	Not reported
Owner City,State,Zip:	LONG BEACH, CA 908053709
Contact Name:	STEPHEN D. COMLEY
Contact Address:	5905 N PARAMOUNT BLVD
Contact Address 2:	Not reported
City,State,Zip:	LONG BEACH, CA 908053709

NAICS:

EPA ID:	CAC002858863
Create Date:	2016-04-29 09:43:57.680
NAICS Code:	48691
NAICS Description:	Pipeline Transportation of Refined Petroleum Products
Issued EPA ID Date:	2016-04-29 09:43:57.70300
Inactive Date:	2016-07-30 03:00:23.24000
Facility Name:	TESORO SOCAL PIPELINE CO, LLC
Facility Address:	23208 S ALAMEDA ST
Facility Address 2:	Not reported
Facility City:	CARSON
Facility County:	Not reported
Facility State:	CA
Facility Zip:	908101919

C27 **TESORO REFINING & MARKETING COMPANY-SULFUR RECOVER** **ENVIROSTOR** **S100222939**
North **23208 S ALAMEDA ST** **CHMIRS** **N/A**
1/8-1/4 **CARSON, CA 90810**
0.139 mi.
736 ft. **Site 3 of 5 in cluster C**

Relative:
Higher

Actual:
23 ft.

ENVIROSTOR:

Name:	TESORO REFINING & MARKETING COMPANY-SULFUR RECOVERY PLANT
Address:	23208 S ALAMEDA ST
City,State,Zip:	CARSON, CA 908101919
Facility ID:	80001817
Status:	Inactive - Action Required
Status Date:	05/31/2012
Site Code:	Not reported
Site Type:	Corrective Action
Site Type Detailed:	Corrective Action
Acres:	0
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	WM
Program Manager:	Katherine Gould
Supervisor:	Ju-Tseng Liu
Division Branch:	Cleanup Cypress
Assembly:	64
Senate:	35
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.81398
Longitude:	-118.2311
APN:	7315020001
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	7315020001
Alias Type:	APN
Alias Name:	CAT000646331
Alias Type:	EPA Identification Number
Alias Name:	110000746667
Alias Type:	EPA (FRS #)
Alias Name:	80001817
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Interim Measures Questionnaire
Completed Date:	03/25/1992
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Assessment Report
Completed Date:	04/15/1991
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported

TESORO REFINING & MARKETING COMPANY-SULFUR RECOVERY PLANT (Continued) **S100222939**

Completed Document Type: Other Report
Completed Date: 02/04/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 08/30/1991
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

CHMIRS:
Name: Not reported
Address: 23208 S ALAMEDA
City,State,Zip: CARSON, CA 90810-1919
OES Incident Number: 991845
OES notification: Not reported
OES Date: Not reported
OES Time: Not reported
Date Completed: **04-SEP-88**
Property Use: 600
Agency Id Number: 19110
Agency Incident Number: 0
Time Notified: 1324
Time Completed: 1430
Surrounding Area: Not reported
Estimated Temperature: 105
Property Management: Not reported
More Than Two Substances Involved?: N
Resp Agncy Personel # Of Decontaminated: Not reported
Responding Agency Personel # Of Injuries: Not reported
Responding Agency Personel # Of Fatalities: Not reported
Others Number Of Decontaminated: Not reported
Others Number Of Injuries: Not reported
Others Number Of Fatalities: Not reported
Vehicle Make/year: Not reported
Vehicle License Number: Not reported
Vehicle State: Not reported
Vehicle Id Number: Not reported
CA DOT PUC/ICC Number: Not reported
Company Name: Not reported
Reporting Officer Name/ID: HARRISON
Report Date: 04-SEP-88
Facility Telephone: 213 267-2485
Waterway Involved: Not reported
Waterway: Not reported
Spill Site: Not reported
Cleanup By: Not reported

TESORO REFINING & MARKETING COMPANY-SULFUR RECOVERY PLANT (Continued) **S100222939**

Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	88-92
Agency:	Not reported
Incident Date:	04-SEP-88
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Not reported
Site Type:	Not reported
E Date:	Not reported
Substance:	Not reported
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	N
Description:	Not reported

C28 **EQUILON ENTERPRISES, LLC** **HIST UST** **U002277760**
North **23208 S ALAMEDA ST** **EMI** **N/A**
1/8-1/4 **CARSON, CA 90810**
0.139 mi.
736 ft. **Site 4 of 5 in cluster C**

Relative: HIST UST:
Higher

Actual:
23 ft.

Name:	SULFUR RECOVERY PLANT
Address:	23208 SOUTH ALAMEDA STREET
City,State,Zip:	CARSON, CA 90810
File Number:	00028A2D
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00028A2D.pdf
Region:	Not reported
Facility ID:	Not reported
Facility Type:	Not reported
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Total Tanks:	Not reported
Tank Num:	Not reported
Container Num:	Not reported

EQUILON ENTERPRISES, LLC (Continued) **U002277760**

Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported

Click here for Geo Tracker PDF:

EMI:

Name:	EQUILON LA CARSON SULFUR PLANT
Address:	23208 S ALAMEDA ST
City,State,Zip:	CARSON, CA 90810
Year:	1999
County Code:	19
Air Basin:	SC
Facility ID:	117247
Air District Name:	SC
SIC Code:	2819
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	14
Reactive Organic Gases Tons/Yr:	7
Carbon Monoxide Emissions Tons/Yr:	167
NOX - Oxides of Nitrogen Tons/Yr:	35
SOX - Oxides of Sulphur Tons/Yr:	49
Particulate Matter Tons/Yr:	7
Part. Matter 10 Micrometers and Smllr Tons/Yr:	7

Name:	EQUILON ENTERPRISES,LLC
Address:	23208 S ALAMEDA ST
City,State,Zip:	CARSON, CA 90810
Year:	2001
County Code:	19
Air Basin:	SC
Facility ID:	117247
Air District Name:	SC
SIC Code:	2819
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	16
Reactive Organic Gases Tons/Yr:	7
Carbon Monoxide Emissions Tons/Yr:	116
NOX - Oxides of Nitrogen Tons/Yr:	65
SOX - Oxides of Sulphur Tons/Yr:	35
Particulate Matter Tons/Yr:	6
Part. Matter 10 Micrometers and Smllr Tons/Yr:	6

Name:	EQUILON ENTERPRISES, LLC
Address:	23208 S ALAMEDA ST
City,State,Zip:	CARSON, CA 90810
Year:	2002
County Code:	19
Air Basin:	SC
Facility ID:	117247

EQUILON ENTERPRISES, LLC (Continued) **U002277760**

Air District Name:	SC
SIC Code:	2819
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	114
NOX - Oxides of Nitrogen Tons/Yr:	50
SOX - Oxides of Sulphur Tons/Yr:	27
Particulate Matter Tons/Yr:	4
Part. Matter 10 Micrometers and Smllr Tons/Yr:	4

Name:	EQUILON ENTERPRISES, LLC
Address:	23208 S ALAMEDA ST
City,State,Zip:	CARSON, CA 90810
Year:	2003
County Code:	19
Air Basin:	SC
Facility ID:	117247
Air District Name:	SC
SIC Code:	2819
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	114
NOX - Oxides of Nitrogen Tons/Yr:	50
SOX - Oxides of Sulphur Tons/Yr:	27
Particulate Matter Tons/Yr:	4
Part. Matter 10 Micrometers and Smllr Tons/Yr:	4

Name:	EQUILON ENTERPRISES, LLC
Address:	23208 S ALAMEDA ST
City,State,Zip:	CARSON, CA 90810
Year:	2004
County Code:	19
Air Basin:	SC
Facility ID:	117247
Air District Name:	SC
SIC Code:	2819
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5.14526492
Reactive Organic Gases Tons/Yr:	3.43
Carbon Monoxide Emissions Tons/Yr:	113.7734
NOX - Oxides of Nitrogen Tons/Yr:	50.4421
SOX - Oxides of Sulphur Tons/Yr:	27.40262
Particulate Matter Tons/Yr:	4.477353
Part. Matter 10 Micrometers and Smllr Tons/Yr:	4.46

Name:	EQUILON ENTERPRISES, LLC
Address:	23208 S ALAMEDA ST
City,State,Zip:	CARSON, CA 90810
Year:	2005

EQUILON ENTERPRISES, LLC (Continued) **U002277760**

County Code:	19
Air Basin:	SC
Facility ID:	117247
Air District Name:	SC
SIC Code:	2819
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	39.431765
Reactive Organic Gases Tons/Yr:	18.41584133
Carbon Monoxide Emissions Tons/Yr:	117.306
NOX - Oxides of Nitrogen Tons/Yr:	58.6088
SOX - Oxides of Sulphur Tons/Yr:	21.97711
Particulate Matter Tons/Yr:	32.9084
Part. Matter 10 Micrometers and Smllr Tons/Yr:	31.7437098

C29 **TESORO REF & MKTG CO** **SEMS-ARCHIVE** **1000144765**
North **23208 S ALAMEDA** **CORRACTS** **CAT000646331**
1/8-1/4 **CARSON, CA 90810** **RCRA-TSDF**
0.139 mi. **RCRA-LQG**
736 ft. **Site 5 of 5 in cluster C** **ICIS**
US AIRS

Relative:
Higher

Actual:
23 ft.

SEMS Archive:

Site ID:	0900240
EPA ID:	CAT000646331
Name:	TEXACO USA DIV TEXACO INC
Address:	23208
Address 2:	Not reported
City,State,Zip:	CARSON, CA 90745
Cong District:	31
FIPS Code:	06037
FF:	N
NPL:	Not on the NPL
Non NPL Status:	Deferred to RCRA (Subtitle C)

SEMS Archive Detail:

Region:	09
Site ID:	0900240
EPA ID:	CAT000646331
Site Name:	TEXACO USA DIV TEXACO INC
NPL:	N
FF:	N
OU:	00
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	1996-01-23 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	09
Site ID:	0900240
EPA ID:	CAT000646331
Site Name:	TEXACO USA DIV TEXACO INC
NPL:	N
FF:	N

TESORO REF & MKTG CO (Continued) **1000144765**

OU: 00
Action Code: SI
Action Name: SI
SEQ: 1
Start Date: Not reported
Finish Date: 1991-04-15 04:00:00
Qual: N
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900240
EPA ID: CAT000646331
Site Name: TEXACO USA DIV TEXACO INC
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 2
Start Date: Not reported
Finish Date: 1991-09-06 04:00:00
Qual: D
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900240
EPA ID: CAT000646331
Site Name: TEXACO USA DIV TEXACO INC
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1990-08-24 04:00:00
Finish Date: 1990-08-24 04:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900240
EPA ID: CAT000646331
Site Name: TEXACO USA DIV TEXACO INC
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: Not reported
Finish Date: 1991-04-15 04:00:00
Qual: N
Current Action Lead: EPA Perf

CORRACTS:
Name: TESORO REFINING & MARKETING COMPANY LLC-- SULFUR RECOVERY

TESORO REF & MKTG CO (Continued) **1000144765**

Address: 23208 S. ALAMEDA STREET
Address 2: Not reported
EPA ID: CAT000646331
Area Name: ENTIRE FACILITY
Corrective Action: CA PRIORITIZATION-LOW CA PRIORITY
Actual Date: 00:00.0
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: TESORO REFINING & MARKETING COMPANY LLC-- SULFUR RECOVERY
Address: 23208 S. ALAMEDA STREET
Address 2: Not reported
EPA ID: CAT000646331
Area Name: ENTIRE FACILITY
Corrective Action: CA PRIORITIZATION-MEDIUM CA PRIORITY
Actual Date: 00:00.0
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

RCRA-LQG:
Date Form Received by Agency: 2016-02-12 00:00:00.0
Handler Name: TESORO REFINING & MARKETING COMPANY LLC-- SULFUR RECOVERY
Handler Address: 23208 S. ALAMEDA STREET
Handler City,State,Zip: CARSON, CA 90810
EPA ID: CAT000646331
Contact Name: ROBERT J RIORDAN
Contact Address: E. PACIFIC COAST HIGHWAY
Contact City,State,Zip: WILMINGTON, CA 90744
Contact Telephone: 310-522-6000 6154
Contact Fax: 310-522-6484
Contact Email: ROBERT.J.RIORDAN@TSOCORP.COM
Contact Title: ENVIRONMENTAL SPECIALIST
EPA Region: 09
Land Type: Private
Federal Waste Generator Description: Large Quantity Generator
Non-Notifier: Not reported
Biennial Report Cycle: 2015
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: E. PACIFIC COAST HIGHWAY
Mailing City,State,Zip: WILMINGTON, CA 90744
Owner Name: TESORO REFINING AND MARKETING
Owner Type: Private
Operator Name: TESORO REFINING & MARKETING COMPANY
Operator Type: Private
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility Activity: No
Recycler Activity with Storage: No

TESORO REF & MKTG CO (Continued) **1000144765**

Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Storage
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Storage
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	Yes
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	Yes
Corrective Action Priority Ranking:	Low
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2016-11-04 19:42:33.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2015

Click Here for Biennial Reporting System Data:
Year: 2013

TESORO REF & MKTG CO (Continued) **1000144765**

Click Here for Biennial Reporting System Data:
Year: 2011

Click Here for Biennial Reporting System Data:
Year: 2009

Click Here for Biennial Reporting System Data:
Year: 2003

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D001
Waste Description: IGNITABLE WASTE

Waste Code: D002
Waste Description: CORROSIVE WASTE

Waste Code: D003
Waste Description: REACTIVE WASTE

Waste Code: D007
Waste Description: CHROMIUM

Waste Code: D008
Waste Description: LEAD

Waste Code: D009
Waste Description: MERCURY

Waste Code: D011
Waste Description: SILVER

Waste Code: D018
Waste Description: BENZENE

Waste Code: K037
Waste Description: WASTEWATER TREATMENT SLUDGES FROM THE PRODUCTION OF DISULFOTON.

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: TESORO REFINING AND MARKETING COMPANY
Legal Status: Private
Date Became Current: 2007-05-11 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: PO BOX 817
Owner/Operator City,State,Zip: WILMINGTON, CA 90744
Owner/Operator Telephone: 310-522-6000
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: TESORO REFINING & MARKETING COMPANY
Legal Status: Private

TESORO REF & MKTG CO (Continued) **1000144765**

Date Became Current:	2012-12-03 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	EQUILON ENTERPRISES LLC
Legal Status:	Private
Date Became Current:	1998-01-15 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	TESORO REFINING AND MARKETING COMPANY
Legal Status:	Private
Date Became Current:	2007-05-11 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	2101 E. PACIFIC COAST HIGHWAY
Owner/Operator City,State,Zip:	WILMINGTON, CA 90744
Owner/Operator Telephone:	310-522-6000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	TESORO REFINING & MARKETING CO
Legal Status:	Private
Date Became Current:	2012-12-03 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	EQUILON ENTERPRISES LLC
Legal Status:	Private
Date Became Current:	1998-01-15 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	P.O. BOX 817
Owner/Operator City,State,Zip:	WILMINGTON, CA 90748
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

TESORO REF & MKTG CO (Continued) **1000144765**

Owner/Operator Indicator:	Owner
Owner/Operator Name:	TESORO REFINING & MARKETING
Legal Status:	Private
Date Became Current:	2012-12-03 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	2101 E PACIFIC COAST HWY
Owner/Operator City,State,Zip:	WILMINGTON, CA 90744
Owner/Operator Telephone:	310-522-6195
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	TEXACO U.S.A.
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	23208 SOUTH ALAMEDA STREET
Owner/Operator City,State,Zip:	CITY NOT REPORTED, CA 99999
Owner/Operator Telephone:	213-835-8261
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	TESORO REFINING AND MARKETING COMPANY
Legal Status:	Private
Date Became Current:	2007-05-11 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	2101 E. PACIFIC COAST HIGHWAY
Owner/Operator City,State,Zip:	WILMINGTON, CA 90744
Owner/Operator Telephone:	310-522-6000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	TESORO REFINING AND MARKETING
Legal Status:	Private
Date Became Current:	2012-12-03 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	2101 E. PACIFIC COAST HIGHWAY
Owner/Operator City,State,Zip:	WILMINGTON, CA 90744
Owner/Operator Telephone:	310-522-6000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	EQUILON ENTERPRISES LLC
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	P O BOX 817
Owner/Operator City,State,Zip:	WILMINGTON, CA 90748-0817
Owner/Operator Telephone:	310-522-6000
Owner/Operator Telephone Ext:	Not reported

TESORO REF & MKTG CO (Continued) **1000144765**

Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	TESORO REFINING AND MARKETING COMPANY
Legal Status:	Private
Date Became Current:	2007-05-11 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	EQUILON ENTERPRISES LLC
Legal Status:	Private
Date Became Current:	1998-01-15 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	TESORO REFINING AND MARKETING CO LLC
Legal Status:	Private
Date Became Current:	2012-12-03 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	2101 E PACIFIC COAST HWY
Owner/Operator City,State,Zip:	WILMINGTON, CA 90744
Owner/Operator Telephone:	310-522-6000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	EQUILON ENTERPRISES LLC
Legal Status:	Private
Date Became Current:	1998-01-15 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	P.O. BOX 817
Owner/Operator City,State,Zip:	WILMINGTON, CA 90748
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	TESORO REFINING AND MARKETING COMPANY
Legal Status:	Private
Date Became Current:	2007-05-11 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 817

TESORO REF & MKTG CO (Continued) **1000144765**

Owner/Operator City,State,Zip: WILMINGTON, CA 90748-0817
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: TESORO REFINING AND MARKETING COMPANY
Legal Status: Private
Date Became Current: 2007-05-11 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: CA
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: TESORO REFINING AND MARKETING CO LLC
Legal Status: Private
Date Became Current: 2012-12-03 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 2010-01-28 00:00:00.0
Handler Name: TESORO REFINING AND MARKETING COMPANY -- SULFUR RECOVERY PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2012-02-17 00:00:00.0
Handler Name: TESORO REFINING AND MARKETING COMPANY, SULFUR RECOVERY PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

TESORO REF & MKTG CO (Continued) **1000144765**

Receive Date: 2014-03-01 00:00:00.0
Handler Name: TESORO REFINING & MARKETING CO LLC, SULFUR RECOVERY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2016-02-12 00:00:00.0
Handler Name: TESORO REFINING & MARKETING COMPANY LLC-- SULFUR RECOVERY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1996-09-01 00:00:00.0
Handler Name: EQUILON ENTERPRISES LLC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2004-02-18 00:00:00.0
Handler Name: SULFUR RECOVERY PLANT
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1998-05-29 00:00:00.0
Handler Name: EQUILON ENTERPRISES LLC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No

TESORO REF & MKTG CO (Continued) **1000144765**

Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2007-06-04 00:00:00.0
Handler Name: TESORO SULFUR RECOVERY PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2012-12-19 00:00:00.0
Handler Name: TESORO REFINING AND MARKETING CO LLC SULFUR RECOVERY PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1990-04-17 00:00:00.0
Handler Name: TEXACO REFINING & MKT. INC.
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2004-02-18 00:00:00.0
Handler Name: SULFUR RECOVERY PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No

TESORO REF & MKTG CO (Continued) **1000144765**

Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 32411
NAICS Description: PETROLEUM REFINERIES

NAICS Code: 324199
NAICS Description: ALL OTHER PETROLEUM AND COAL PRODUCTS MANUFACTURING

NAICS Code: 32518
NAICS Description: OTHER BASIC INORGANIC CHEMICAL MANUFACTURING

NAICS Code: 325188
NAICS Description: ALL OTHER BASIC INORGANIC CHEMICAL MANUFACTURING

NAICS Code: 325199
NAICS Description: ALL OTHER BASIC ORGANIC CHEMICAL MANUFACTURING

Facility Has Received Notices of Violation:
Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported

TESORO REF & MKTG CO (Continued) **1000144765**

Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 1988-12-13 00:00:00.0
Actual Return to Compliance Date: 1989-02-23 00:00:00.0
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 1989-02-05 00:00:00.0
Enforcement Identifier: 004
Date of Enforcement Action: 1989-01-05 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported

TESORO REF & MKTG CO (Continued) **1000144765**

Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	LDR - General
Date Violation was Determined:	1988-01-13 00:00:00.0
Actual Return to Compliance Date:	1988-08-26 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported

TESORO REF & MKTG CO (Continued) **1000144765**

Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	2001-01-01 00:00:00.0
Actual Return to Compliance Date:	2001-01-01 00:00:00.0
Return to Compliance Qualifier:	Unverifiable
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported

TESORO REF & MKTG CO (Continued) **1000144765**

Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	1988-01-13 00:00:00.0
Actual Return to Compliance Date:	1988-05-07 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1988-03-23 00:00:00.0
Enforcement Identifier:	002
Date of Enforcement Action:	1988-02-24 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported

TESORO REF & MKTG CO (Continued) **1000144765**

Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 1987-12-30 00:00:00.0
Actual Return to Compliance Date: 1988-02-10 00:00:00.0
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 1988-02-04 00:00:00.0
Enforcement Identifier: 001
Date of Enforcement Action: 1988-01-04 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: LDR - General
Date Violation was Determined: 1988-01-13 00:00:00.0
Actual Return to Compliance Date: 1988-08-26 00:00:00.0
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported

TESORO REF & MKTG CO (Continued) **1000144765**

Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 1988-04-13 00:00:00.0
Actual Return to Compliance Date: 1988-05-07 00:00:00.0
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 1988-05-07 00:00:00.0
Enforcement Identifier: 003
Date of Enforcement Action: 1988-05-05 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported

TESORO REF & MKTG CO (Continued) **1000144765**

Final Amount: Not reported

Evaluation Action Summary:

Evaluation Date: 1988-12-01 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 1991-04-23 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 1988-12-13 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 1989-02-23 00:00:00.0
Scheduled Compliance Date: 1989-02-05 00:00:00.0
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 1988-01-13 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 1988-08-26 00:00:00.0
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 1991-08-01 00:00:00.0
Evaluation Responsible Agency: EPA Contractor/Grantee

TESORO REF & MKTG CO (Continued) **1000144765**

Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2001-01-01 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1992-10-20 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1988-01-13 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1988-05-07 00:00:00.0
Scheduled Compliance Date:	1988-03-23 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1987-12-30 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1988-02-10 00:00:00.0
Scheduled Compliance Date:	1988-02-04 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1988-01-13 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1988-08-26 00:00:00.0

TESORO REF & MKTG CO (Continued) **1000144765**

Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1988-04-13 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1988-05-07 00:00:00.0
Scheduled Compliance Date:	1988-05-07 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

RCRA-LQG:

Date Form Received by Agency:	2016-02-12 00:00:00.0
Handler Name:	TESORO REFINING & MARKETING COMPANY LLC-- SULFUR RECOVERY
Handler Address:	23208 S. ALAMEDA STREET
Handler City,State,Zip:	CARSON, CA 90810
EPA ID:	CAT000646331

TESORO REF & MKTG CO (Continued) **1000144765**

Contact Name:	ROBERT J RIORDAN
Contact Address:	E. PACIFIC COAST HIGHWAY
Contact City,State,Zip:	WILMINGTON, CA 90744
Contact Telephone:	310-522-6000 6154
Contact Fax:	310-522-6484
Contact Email:	ROBERT.J.RIORDAN@TSOCORP.COM
Contact Title:	ENVIRONMENTAL SPECIALIST
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	2015
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	E. PACIFIC COAST HIGHWAY
Mailing City,State,Zip:	WILMINGTON, CA 90744
Owner Name:	TESORO REFINING AND MARKETING
Owner Type:	Private
Operator Name:	TESORO REFINING & MARKETING COMPANY
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Storage
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Storage
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	Yes
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	Yes

TESORO REF & MKTG CO (Continued) **1000144765**

Corrective Action Priority Ranking:	Low
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2016-11-04 19:42:33.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2015

Click Here for Biennial Reporting System Data:
Year: 2013

Click Here for Biennial Reporting System Data:
Year: 2011

Click Here for Biennial Reporting System Data:
Year: 2009

Click Here for Biennial Reporting System Data:
Year: 2003

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D002
Waste Description:	CORROSIVE WASTE
Waste Code:	D003
Waste Description:	REACTIVE WASTE
Waste Code:	D007
Waste Description:	CHROMIUM
Waste Code:	D008
Waste Description:	LEAD
Waste Code:	D009
Waste Description:	MERCURY

TESORO REF & MKTG CO (Continued) **1000144765**

Waste Code: D011
Waste Description: SILVER

Waste Code: D018
Waste Description: BENZENE

Waste Code: K037
Waste Description: WASTEWATER TREATMENT SLUDGES FROM THE PRODUCTION OF DISULFOTON.

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	TESORO REFINING AND MARKETING COMPANY
Legal Status:	Private
Date Became Current:	2007-05-11 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 817
Owner/Operator City,State,Zip:	WILMINGTON, CA 90744
Owner/Operator Telephone:	310-522-6000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	TESORO REFINING & MARKETING COMPANY
Legal Status:	Private
Date Became Current:	2012-12-03 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	EQUILON ENTERPRISES LLC
Legal Status:	Private
Date Became Current:	1998-01-15 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	TESORO REFINING AND MARKETING COMPANY
Legal Status:	Private
Date Became Current:	2007-05-11 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	2101 E. PACIFIC COAST HIGHWAY
Owner/Operator City,State,Zip:	WILMINGTON, CA 90744
Owner/Operator Telephone:	310-522-6000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

TESORO REF & MKTG CO (Continued) **1000144765**

Owner/Operator Indicator:	Operator
Owner/Operator Name:	TESORO REFINING & MARKETING CO
Legal Status:	Private
Date Became Current:	2012-12-03 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	EQUILON ENTERPRISES LLC
Legal Status:	Private
Date Became Current:	1998-01-15 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	P.O. BOX 817
Owner/Operator City,State,Zip:	WILMINGTON, CA 90748
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	TESORO REFINING & MARKETING
Legal Status:	Private
Date Became Current:	2012-12-03 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	2101 E PACIFIC COAST HWY
Owner/Operator City,State,Zip:	WILMINGTON, CA 90744
Owner/Operator Telephone:	310-522-6195
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	TEXACO U.S.A.
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	23208 SOUTH ALAMEDA STREET
Owner/Operator City,State,Zip:	CITY NOT REPORTED, CA 99999
Owner/Operator Telephone:	213-835-8261
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	TESORO REFINING AND MARKETING COMPANY
Legal Status:	Private
Date Became Current:	2007-05-11 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	2101 E. PACIFIC COAST HIGHWAY
Owner/Operator City,State,Zip:	WILMINGTON, CA 90744
Owner/Operator Telephone:	310-522-6000
Owner/Operator Telephone Ext:	Not reported

TESORO REF & MKTG CO (Continued) **1000144765**

Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	TESORO REFINING AND MARKETING
Legal Status:	Private
Date Became Current:	2012-12-03 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	2101 E. PACIFIC COAST HIGHWAY
Owner/Operator City,State,Zip:	WILMINGTON, CA 90744
Owner/Operator Telephone:	310-522-6000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	EQUILON ENTERPRISES LLC
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	P O BOX 817
Owner/Operator City,State,Zip:	WILMINGTON, CA 90748-0817
Owner/Operator Telephone:	310-522-6000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	TESORO REFINING AND MARKETING COMPANY
Legal Status:	Private
Date Became Current:	2007-05-11 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	EQUILON ENTERPRISES LLC
Legal Status:	Private
Date Became Current:	1998-01-15 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	TESORO REFINING AND MARKETING CO LLC
Legal Status:	Private
Date Became Current:	2012-12-03 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	2101 E PACIFIC COAST HWY

TESORO REF & MKTG CO (Continued) **1000144765**

Owner/Operator City,State,Zip: WILMINGTON, CA 90744
Owner/Operator Telephone: 310-522-6000
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: EQUILON ENTERPRISES LLC
Legal Status: Private
Date Became Current: 1998-01-15 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: P.O. BOX 817
Owner/Operator City,State,Zip: WILMINGTON, CA 90748
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: TESORO REFINING AND MARKETING COMPANY
Legal Status: Private
Date Became Current: 2007-05-11 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: PO BOX 817
Owner/Operator City,State,Zip: WILMINGTON, CA 90748-0817
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: TESORO REFINING AND MARKETING COMPANY
Legal Status: Private
Date Became Current: 2007-05-11 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: CA
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: TESORO REFINING AND MARKETING CO LLC
Legal Status: Private
Date Became Current: 2012-12-03 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 2010-01-28 00:00:00.0
Handler Name: TESORO REFINING AND MARKETING COMPANY -- SULFUR RECOVERY PLANT

TESORO REF & MKTG CO (Continued) **1000144765**

Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2012-02-17 00:00:00.0
Handler Name: TESORO REFINING AND MARKETING COMPANY, SULFUR RECOVERY PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2014-03-01 00:00:00.0
Handler Name: TESORO REFINING & MARKETING CO LLC, SULFUR RECOVERY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2016-02-12 00:00:00.0
Handler Name: TESORO REFINING & MARKETING COMPANY LLC-- SULFUR RECOVERY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1996-09-01 00:00:00.0
Handler Name: EQUILON ENTERPRISES LLC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No

TESORO REF & MKTG CO (Continued) **1000144765**

Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2004-02-18 00:00:00.0
Handler Name: SULFUR RECOVERY PLANT
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1998-05-29 00:00:00.0
Handler Name: EQUILON ENTERPRISES LLC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2007-06-04 00:00:00.0
Handler Name: TESORO SULFUR RECOVERY PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2012-12-19 00:00:00.0
Handler Name: TESORO REFINING AND MARKETING CO LLC SULFUR RECOVERY PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

TESORO REF & MKTG CO (Continued) **1000144765**

Receive Date: 1990-04-17 00:00:00.0
Handler Name: TEXACO REFINING & MKT. INC.
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2004-02-18 00:00:00.0
Handler Name: SULFUR RECOVERY PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 32411
NAICS Description: PETROLEUM REFINERIES

NAICS Code: 324199
NAICS Description: ALL OTHER PETROLEUM AND COAL PRODUCTS MANUFACTURING

NAICS Code: 32518
NAICS Description: OTHER BASIC INORGANIC CHEMICAL MANUFACTURING

NAICS Code: 325188
NAICS Description: ALL OTHER BASIC INORGANIC CHEMICAL MANUFACTURING

NAICS Code: 325199
NAICS Description: ALL OTHER BASIC ORGANIC CHEMICAL MANUFACTURING

Facility Has Received Notices of Violation:
Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported

TESORO REF & MKTG CO (Continued) **1000144765**

Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported

TESORO REF & MKTG CO (Continued) **1000144765**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	1988-12-13 00:00:00.0
Actual Return to Compliance Date:	1989-02-23 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1989-02-05 00:00:00.0
Enforcement Identifier:	004
Date of Enforcement Action:	1989-01-05 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	LDR - General
Date Violation was Determined:	1988-01-13 00:00:00.0
Actual Return to Compliance Date:	1988-08-26 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

TESORO REF & MKTG CO (Continued) **1000144765**

Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	2001-01-01 00:00:00.0
Actual Return to Compliance Date:	2001-01-01 00:00:00.0
Return to Compliance Qualifier:	Unverifiable
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported

TESORO REF & MKTG CO (Continued) **1000144765**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	1988-01-13 00:00:00.0
Actual Return to Compliance Date:	1988-05-07 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1988-03-23 00:00:00.0
Enforcement Identifier:	002
Date of Enforcement Action:	1988-02-24 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

TESORO REF & MKTG CO (Continued) **1000144765**

Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 1987-12-30 00:00:00.0
Actual Return to Compliance Date: 1988-02-10 00:00:00.0
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 1988-02-04 00:00:00.0
Enforcement Identifier: 001
Date of Enforcement Action: 1988-01-04 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported

TESORO REF & MKTG CO (Continued) **1000144765**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	LDR - General
Date Violation was Determined:	1988-01-13 00:00:00.0
Actual Return to Compliance Date:	1988-08-26 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	1988-04-13 00:00:00.0
Actual Return to Compliance Date:	1988-05-07 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1988-05-07 00:00:00.0
Enforcement Identifier:	003
Date of Enforcement Action:	1988-05-05 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

TESORO REF & MKTG CO (Continued) **1000144765**

Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:
Evaluation Date: 1988-12-01 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 1991-04-23 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 1988-12-13 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA

TESORO REF & MKTG CO (Continued) **1000144765**

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1989-02-23 00:00:00.0
Scheduled Compliance Date:	1989-02-05 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1988-01-13 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1988-08-26 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1991-08-01 00:00:00.0
Evaluation Responsible Agency:	EPA Contractor/Grantee
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2001-01-01 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1992-10-20 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1988-01-13 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1988-05-07 00:00:00.0
Scheduled Compliance Date:	1988-03-23 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported

TESORO REF & MKTG CO (Continued) **1000144765**

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1987-12-30 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1988-02-10 00:00:00.0
Scheduled Compliance Date:	1988-02-04 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1988-01-13 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1988-08-26 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1988-04-13 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1988-05-07 00:00:00.0
Scheduled Compliance Date:	1988-05-07 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

TESORO REF & MKTG CO (Continued) **1000144765**

ICIS:

Enforcement Action ID:	CASCAA0000060370008100069
FRS ID:	110000746667
Action Name:	TESORO REF & MKTG CO 060370008100069
Facility Name:	TESORO REF & MKTG CO
Facility Address:	23208 S ALAMEDA CARSON, CA 90810
Enforcement Action Type:	Administrative Order
Facility County:	LOS ANGELES
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	SCAAAO
Facility SIC Code:	2819
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.81489
Longitude in Decimal Degrees:	-118.232
Permit Type Desc:	Not reported
Program System Acronym:	CASCA0000603700081
Facility NAICS Code:	325188
Tribal Land Code:	Not reported

Enforcement Action ID:	CASCAA0000060370008100068
FRS ID:	110000746667
Action Name:	TESORO REF & MKTG CO 060370008100068
Facility Name:	TESORO REF & MKTG CO
Facility Address:	23208 S ALAMEDA CARSON, CA 90810
Enforcement Action Type:	Notice of Violation
Facility County:	LOS ANGELES
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	2819
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.81489
Longitude in Decimal Degrees:	-118.232
Permit Type Desc:	Not reported
Program System Acronym:	CASCA0000603700081
Facility NAICS Code:	325188
Tribal Land Code:	Not reported

Enforcement Action ID:	CASCAA0000060370008100057
FRS ID:	110000746667
Action Name:	TESORO REF & MKTG CO 060370008100057
Facility Name:	TESORO REF & MKTG CO
Facility Address:	23208 S ALAMEDA CARSON, CA 90810
Enforcement Action Type:	Administrative Order
Facility County:	LOS ANGELES
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	SCAAAO
Facility SIC Code:	2819
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.81489
Longitude in Decimal Degrees:	-118.232
Permit Type Desc:	Not reported

TESORO REF & MKTG CO (Continued) **1000144765**

Program System Acronym: CASCA0000603700081
Facility NAICS Code: 325188
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA0000060370008100054
FRS ID: 110000746667
Action Name: TESORO REF & MKTG CO 060370008100054
Facility Name: TESORO REF & MKTG CO
Facility Address: 23208 S ALAMEDA
CARSON, CA 90810
Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2819
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.81489
Longitude in Decimal Degrees: -118.232
Permit Type Desc: Not reported
Program System Acronym: CASCA0000603700081
Facility NAICS Code: 325188
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA0000060370008100053
FRS ID: 110000746667
Action Name: TESORO REF & MKTG CO 060370008100053
Facility Name: TESORO REF & MKTG CO
Facility Address: 23208 S ALAMEDA
CARSON, CA 90810
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2819
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.81489
Longitude in Decimal Degrees: -118.232
Permit Type Desc: Not reported
Program System Acronym: CASCA0000603700081
Facility NAICS Code: 325188
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA0000060370008100047
FRS ID: 110000746667
Action Name: TESORO REF & MKTG CO 060370008100047
Facility Name: TESORO REF & MKTG CO
Facility Address: 23208 S ALAMEDA
CARSON, CA 90810
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2819
Federal Facility ID: Not reported

TESORO REF & MKTG CO (Continued) **1000144765**

Latitude in Decimal Degrees:	33.81489
Longitude in Decimal Degrees:	-118.232
Permit Type Desc:	Not reported
Program System Acronym:	CASCA0000603700081
Facility NAICS Code:	325188
Tribal Land Code:	Not reported
Enforcement Action ID:	CASCAA0000060370008100040
FRS ID:	110000746667
Action Name:	TESORO REF & MKTG CO 060370008100040
Facility Name:	TESORO REF & MKTG CO
Facility Address:	23208 S ALAMEDA CARSON, CA 90810
Enforcement Action Type:	Administrative Order
Facility County:	LOS ANGELES
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	SCAAAO
Facility SIC Code:	2819
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.81489
Longitude in Decimal Degrees:	-118.232
Permit Type Desc:	Not reported
Program System Acronym:	CASCA0000603700081
Facility NAICS Code:	325188
Tribal Land Code:	Not reported

US AIRS (AFS):

Envid:	1000144765
Region Code:	09
County Code:	CA037
Programmatic ID:	AIR CASCA0000603700081
Facility Registry ID:	110000746667
D and B Number:	Not reported
Facility Site Name:	TESORO REF & MKTG CO
Primary SIC Code:	2819
NAICS Code:	325188
Default Air Classification Code:	MAJ
Facility Type of Ownership Code:	POF
Air CMS Category Code:	TVM
HPV Status:	ADDRESSED HPV

US AIRS (AFS):

Region Code:	09
Programmatic ID:	AIR CASCA0000603700081
Facility Registry ID:	110000746667
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	Not reported
Activity Status Date:	1993-05-01 00:00:00
Activity Group:	Case File
Activity Type:	Case File
Activity Status:	Resolved
Region Code:	09

TESORO REF & MKTG CO (Continued) **1000144765**

Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 1995-12-01 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 1997-08-21 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 2003-05-13 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-09-25 00:00:00
Activity Status Date: 2015-01-09 16:00:31
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-09-25 00:00:00
Activity Status Date: 2015-01-09 16:11:12
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

TESORO REF & MKTG CO (Continued) **1000144765**

Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1978-01-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1978-05-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1978-11-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1978-11-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1979-04-11 00:00:00

TESORO REF & MKTG CO (Continued) **1000144765**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1979-12-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1980-06-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1980-09-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1980-12-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR

TESORO REF & MKTG CO (Continued) **1000144765**

Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1981-03-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1981-05-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1982-01-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1982-04-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1983-03-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09

TESORO REF & MKTG CO (Continued) **1000144765**

Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1983-06-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1984-05-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1985-03-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1985-10-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1986-03-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

TESORO REF & MKTG CO (Continued) **1000144765**

Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1986-08-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1987-01-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1987-06-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1988-05-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1988-11-22 00:00:00

TESORO REF & MKTG CO (Continued) **1000144765**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1989-03-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1989-09-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1990-03-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1990-09-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR

TESORO REF & MKTG CO (Continued) **1000144765**

Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1991-09-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1992-09-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1993-09-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1994-05-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1994-06-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09

TESORO REF & MKTG CO (Continued) **1000144765**

Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1996-02-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1996-08-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1997-09-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1998-12-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2003-05-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

TESORO REF & MKTG CO (Continued) **1000144765**

Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-03-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-09-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-08-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-07-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-09-16 00:00:00

TESORO REF & MKTG CO (Continued) **1000144765**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-07-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-02-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-05-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-09-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR

TESORO REF & MKTG CO (Continued) **1000144765**

Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-09-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-02-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-06-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-06-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-06-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09

TESORO REF & MKTG CO (Continued) **1000144765**

Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-07-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-02-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-04-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-05-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-09-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

TESORO REF & MKTG CO (Continued) **1000144765**

Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-09-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-02-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-03-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-04-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-04-30 00:00:00

TESORO REF & MKTG CO (Continued) **1000144765**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1993-05-01 00:00:00
Activity Status Date: 1993-05-01 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1995-12-01 00:00:00
Activity Status Date: 1995-12-01 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1997-02-18 00:00:00
Activity Status Date: 1997-02-18 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-04-26 00:00:00
Activity Status Date: 2006-04-26 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR

TESORO REF & MKTG CO (Continued) **1000144765**

Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1995-12-06 00:00:00
Activity Status Date: 1995-12-06 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1996-11-01 00:00:00
Activity Status Date: 1996-11-01 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2003-02-13 00:00:00
Activity Status Date: 2003-02-13 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2003-05-13 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-01-20 00:00:00
Activity Status Date: 2015-01-09 16:04:37
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09

TESORO REF & MKTG CO (Continued) **1000144765**

Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-02-28 00:00:00
Activity Status Date: 2015-01-09 16:02:29
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-03-03 00:00:00
Activity Status Date: 2015-01-09 16:06:10
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-03-05 00:00:00
Activity Status Date: 2015-01-09 16:08:44
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-07-29 00:00:00
Activity Status Date: 2015-01-09 16:10:13
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-09-25 00:00:00
Activity Status Date: 2015-01-09 16:00:31
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

TESORO REF & MKTG CO (Continued) **1000144765**

Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-09-25 00:00:00
Activity Status Date: 2015-01-09 16:11:12
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1997-09-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1998-12-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-05-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-03-16 00:00:00

TESORO REF & MKTG CO (Continued) **1000144765**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-09-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-08-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-07-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-09-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR

TESORO REF & MKTG CO (Continued) **1000144765**

Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-07-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-02-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-05-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-09-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-09-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09

TESORO REF & MKTG CO (Continued) **1000144765**

Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-02-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-06-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-06-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-06-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-07-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

TESORO REF & MKTG CO (Continued) **1000144765**

Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-02-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-04-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-05-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-09-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-09-26 00:00:00

TESORO REF & MKTG CO (Continued) **1000144765**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-02-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-03-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-04-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-04-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR

TESORO REF & MKTG CO (Continued) **1000144765**

Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2006-04-26 00:00:00
Activity Status Date:	2006-04-26 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Formal
Activity Status:	Resolved
Region Code:	09
Programmatic ID:	AIR CASCA0000603700081
Facility Registry ID:	110000746667
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2003-02-13 00:00:00
Activity Status Date:	2003-02-13 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Informal
Activity Status:	Achieved

30
SW
1/8-1/4
0.202 mi.
1066 ft.

ACTA SOUTH - PARCEL SE-358
ALAMEDA ST
CARSON, CA 90745

CPS-SLIC **S106393819**
CHMIRS **N/A**
CERS

Relative:
Higher

Actual:
24 ft.

CPS-SLIC:

Name:	ACTA SOUTH - PARCEL SE-358
Address:	ALAMEDA ST
City,State,Zip:	CARSON, CA 90745
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	04/09/2003
Global Id:	SL0603779405
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	33.8091323174248
Longitude:	-118.235172948193
Case Type:	Cleanup Program Site
Case Worker:	SH
Local Agency:	Not reported
RB Case Number:	0747G9
File Location:	Not reported
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

CHMIRS:

Name:	Not reported
Address:	ALAMEDA ST NEAR THE RAILROAD CROSSING BETWEEN LOMITA AND BANNING ST
City,State,Zip:	CARSON, CA 90731
OES Incident Number:	0-2160
OES notification:	05/16/2000
OES Date:	Not reported

ACTA SOUTH - PARCEL SE-358 (Continued) **S106393819**

OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2000
Agency:	Mobil
Incident Date:	5/16/200012:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Pipe Line
E Date:	Not reported
Substance:	Test water
BBLS:	1
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported

ACTA SOUTH - PARCEL SE-358 (Continued) **S106393819**

#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Pressuring the pipeline for a hydro static test and the line ruptured

CERS:

Name:	ACTA SOUTH - PARCEL SE-358
Address:	ALAMEDA ST
City,State,Zip:	CARSON, CA 90745
Site ID:	252852
CERS ID:	SL0603779405
CERS Description:	Cleanup Program Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	SU HAN - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	320 W. 4TH STREET, SUITE 200
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	2135766735

31
SSW
1/8-1/4
0.208 mi.
1097 ft.

HARGROVE **WMUDS/SWAT** **S103441616**
NE OF SEPULVEDA & ALAMEDA **N/A**
CARSON, CA

Relative:
Higher

Actual:
21 ft.

WMUDS/SWAT:

Edit Date:	Not reported
Complexity:	Not reported
Primary Waste:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Base Meridian:	Not reported
NPID:	Not reported
Tonnage:	0
Regional Board ID:	Not reported
Municipal Solid Waste:	False
Superorder:	False
Open To Public:	False
Waste List:	False
Agency Type:	Not reported
Agency Name:	HARGROVE
Agency Department:	Not reported
Agency Address:	Not reported
Agency City,St,Zip:	Not reported
Agency Contact:	Not reported
Agency Telephone:	Not reported
Land Owner Name:	Not reported

HARGROVE (Continued) **S103441616**

Land Owner Address:	Not reported
Land Owner City,St,Zip:	CA
Land Owner Contact:	Not reported
Land Owner Phone:	Not reported
Region:	4
Facility Type:	Not reported
Facility Description:	Not reported
Facility Telephone:	Not reported
SWAT Facility Name:	Not reported
Primary SIC:	Not reported
Secondary SIC:	Not reported
Comments:	Not reported
Last Facility Editors:	Not reported
Waste Discharge System:	False
Solid Waste Assessment Test Program:	True
Toxic Pits Cleanup Act Program:	False
Resource Conservation Recovery Act:	False
Department of Defence:	False
Solid Waste Assessment Test Program:	HARGROVE
Threat to Water Quality:	Not reported
Sub Chapter 15:	False
Regional Board Project Officer:	LT
Number of WMUDS at Facility:	1
Section Range:	Not reported
RCRA Facility:	Not reported
Waste Discharge Requirements:	Not reported
Self-Monitoring Rept. Frequency:	Not reported
Waste Discharge System ID:	4 190420NUR
Solid Waste Information ID:	Not reported

---

32 **ACTA SOUTH - PARCEL SE-352/353** **CPS-SLIC S106487316**
North **S. ALAMEDA ST.** **CERS N/A**
1/8-1/4 **CARSON, CA 90810**
0.220 mi.
1162 ft.

Relative:
Lower

Actual:
17 ft.

CPS-SLIC:

Name:	ACTA SOUTH - PARCEL SE-352/353
Address:	S. ALAMEDA ST.
City,State,Zip:	CARSON, CA 90810
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	04/19/2003
Global Id:	SL0603723245
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	33.815408
Longitude:	-118.231928
Case Type:	Cleanup Program Site
Case Worker:	SH
Local Agency:	Not reported
RB Case Number:	0747G8
File Location:	Not reported
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

ACTA SOUTH - PARCEL SE-352/353 (Continued) **S106487316**

Click here to access the California GeoTracker records for this facility:

CERS:

Name:	ACTA SOUTH - PARCEL SE-352/353
Address:	S. ALAMEDA ST.
City,State,Zip:	CARSON, CA 90810
Site ID:	252309
CERS ID:	SL0603723245
CERS Description:	Cleanup Program Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	SU HAN - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	320 W. 4TH STREET, SUITE 200
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	2135766735

---

33 **ARCO - CARSON TERMINAL** **CPS-SLIC** **S104404955**
SSE **2149 SEPULVEDA** **N/A**
1/8-1/4 **CARSON, CA 90810**
0.250 mi.
1318 ft.

Relative: **Higher**
Actual: **42 ft.**

SLIC REG 4:

Region:	4
Facility Status:	Inactive
SLIC:	0225
Substance:	TPH
Staff:	PC

D34 **WATSON CARBON & CHEMICAL COMPANY** **ENVIROSTOR** **S101480635**
South **2021 EAST SEPULVEDA BOULEVARD** **N/A**
1/4-1/2 **LONG BEACH, CA 90810**
0.253 mi.
1337 ft. **Site 1 of 2 in cluster D**

Relative: **Higher**
Actual: **29 ft.**

ENVIROSTOR:

Name:	WATSON CARBON & CHEMICAL COMPANY
Address:	2021 EAST SEPULVEDA BOULEVARD
City,State,Zip:	LONG BEACH, CA 90810
Facility ID:	19280751
Status:	Refer: Other Agency
Status Date:	06/30/1985
Site Code:	Not reported
Site Type:	Historical
Site Type Detailed:	* Historical
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED

WATSON CARBON & CHEMICAL COMPANY (Continued) **S101480635**

Program Manager: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Cypress
Assembly: 64
Senate: 35
Special Program: * Site Char & Assess Grant (CERCLA 104)
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.80694
Longitude: -118.2316
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: * UNSPECIFIED AQUEOUS SOLUTION
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: ARCO REFINERY
Alias Type: Alternate Name
Alias Name: INDUSTRIAL POLYCHEMICAL
Alias Type: Alternate Name
Alias Name: MARTIN MARIETTA INC
Alias Type: Alternate Name
Alias Name: SUBSIDIARY OF HARVEY ALUMINUM
Alias Type: Alternate Name
Alias Name: CAD067748285
Alias Type: EPA Identification Number
Alias Name: 19280751
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 08/03/1982
Comments: FACILITY IDENTIFIED ID'D FROM PAC TEL BUS DIR 1971 NO CURRENT TELEPHONE LISTING

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 06/30/1985
Comments: PRELIM ASSESS DONE CERCLA 104

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

D35
South
1/4-1/2
0.254 mi.
1342 ft.

ARCO CREDIT UNION
1907 SEPULVEDA BLVD E
CARSON, CA 90810

Site 2 of 2 in cluster D

LUST **S101295815**
Cortese **N/A**
HIST CORTESE
CERS

Relative:
Lower

Actual:
19 ft.

LUST:

Name:	ARCO CREDIT UNION
Address:	1907 SEPULVEDA BLVD E
City,State,Zip:	CARSON, CA 90810
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603704294
Global Id:	T0603704294
Latitude:	33.8079196
Longitude:	-118.2344929
Status:	Completed - Case Closed
Status Date:	07/13/2017
Case Worker:	MR
RB Case Number:	I-15338
Local Agency:	LOS ANGELES COUNTY
File Location:	Regional Board
Local Case Number:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0603704294
Contact Type:	Local Agency Caseworker
Contact Name:	JOHN AWUJO
Organization Name:	LOS ANGELES COUNTY
Address:	900 S FREMONT AVE
City:	ALHAMBRA
Email:	jawujo@dpw.lacounty.gov
Phone Number:	6264583507

Global Id:	T0603704294
Contact Type:	Regional Board Caseworker
Contact Name:	Maryam Renard
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	LOS ANGELES
Email:	maryam.renard@waterboards.ca.gov
Phone Number:	2135766741

LUST:

Global Id:	T0603704294
Action Type:	ENFORCEMENT
Date:	05/24/2016
Action:	Staff Letter

Global Id:	T0603704294
Action Type:	ENFORCEMENT
Date:	05/10/2017
Action:	Notification - Preclosure

Global Id:	T0603704294
Action Type:	ENFORCEMENT

ARCO CREDIT UNION (Continued) **S101295815**

Date: 08/22/2013
Action: Staff Letter

Global Id: T0603704294
Action Type: ENFORCEMENT
Date: 10/17/2016
Action: Staff Letter

Global Id: T0603704294
Action Type: RESPONSE
Date: 06/24/2016
Action: Soil and Water Investigation Workplan

Global Id: T0603704294
Action Type: RESPONSE
Date: 10/23/2013
Action: Other Report / Document

Global Id: T0603704294
Action Type: ENFORCEMENT
Date: 07/13/2017
Action: Closure/No Further Action Letter

Global Id: T0603704294
Action Type: Other
Date: 03/13/1990
Action: Leak Reported

Global Id: T0603704294
Action Type: RESPONSE
Date: 09/22/2016
Action: Soil and Water Investigation Workplan - Regulator Responded

Global Id: T0603704294
Action Type: RESPONSE
Date: 05/01/2009
Action: Other Report / Document

Global Id: T0603704294
Action Type: ENFORCEMENT
Date: 04/01/2009
Action: Staff Letter

Global Id: T0603704294
Action Type: RESPONSE
Date: 01/15/2017
Action: Soil and Water Investigation Report

LUST:
Global Id: T0603704294
Status: Open - Case Begin Date
Status Date: 03/13/1990

Global Id: T0603704294
Status: Open - Site Assessment
Status Date: 03/13/1990

ARCO CREDIT UNION (Continued) **S101295815**

Global Id: T0603704294
Status: Completed - Case Closed
Status Date: 07/13/2017

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	I-15338	
Status:	Leak being confirmed	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603704294	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19000	
Cross Street:	Not reported	
Enforcement Type:	Not reported	
Date Leak Discovered:	Not reported	
Date Leak First Reported:		3/13/1990
Date Leak Record Entered:	5/13/1990	
Date Confirmation Began:	3/13/1990	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		5/10/1993
Date the Case was Closed:		Not reported
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	Not reported	
Leak Source:	Not reported	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		6718.896029342772393185808843 8
Source of Cleanup Funding:		F
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	ARCO CREDIT UNION	
RP Address:	1801 E SEPULVEDA BLVD, CARSON, CA 90749	
Program:	LUST	
Lat/Long:	33.8079196 / -1	

ARCO CREDIT UNION (Continued) **S101295815**

Local Agency Staff:	Not reported
Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	Not reported

CORTESE:

Name:	ARCO CREDIT UNION
Address:	1907 SEPULVEDA BLVD E
City,State,Zip:	CARSON, CA 90810
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0603704294
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

HIST CORTESE:

edr_fname:	ARCO CREDIT UNION
edr_fadd1:	1907 SEPULVEDA
City,State,Zip:	CARSON, CA 90749
Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	I-15338

CERS:

Name:	ARCO CREDIT UNION
Address:	1907 SEPULVEDA BLVD E
City,State,Zip:	CARSON, CA 90810
Site ID:	218143
CERS ID:	T0603704294
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	MARYAM TAIDY - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	320 W. 4TH ST., SUITE 200

ARCO CREDIT UNION (Continued) **S101295815**

Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	2135766741
Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	JOHN AWUJO - LOS ANGELES COUNTY
Entity Title:	Not reported
Affiliation Address:	900 S FREMONT AVE
Affiliation City:	ALHAMBRA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	6264583507

E36 **WILMINGTON CLASS&YARD OE** **UXO** **1024714842**
East **N/A**
1/4-1/2 **LOS ANGELES, CA**
0.285 mi.
1506 ft. **Site 1 of 3 in cluster E**

Relative: UXO:
Higher

DoD Component:	FUDS
Installation Name:	WILMINGTON CLA & HOLD YD
Name:	WILMINGTON CLASS&YARD OE
Address:	Not reported
Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA
Site ID:	02OEW
Site Type:	Unexploded Munitions and Ordnance Area
Latitude:	33.812500
Longitude:	-118.225000

Actual:
26 ft.

E37 **WILMINGTON CLASS & HOLD YD** **ENVIROSTOR** **S107737624**
East **N/A**
1/4-1/2 **LOS ANGELES, CA**
0.285 mi.
1506 ft. **Site 2 of 3 in cluster E**

Relative: ENVIROSTOR:
Higher

Name:	WILMINGTON CLASS & HOLD YD
Address:	Not reported
City,State,Zip:	LOS ANGELES, CA
Facility ID:	80000531
Status:	Inactive - Needs Evaluation
Status Date:	07/01/2005
Site Code:	Not reported
Site Type:	Military Evaluation
Site Type Detailed:	FUDS
Acres:	275
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported

Actual:
26 ft.

WILMINGTON CLASS & HOLD YD (Continued) **S107737624**

Supervisor:	Douglas Bautista
Division Branch:	Cleanup Cypress
Assembly:	64
Senate:	35
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	DERA
Latitude:	33.8125
Longitude:	-118.225
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	WILMINGTON CLASS & HOLD YARD
Alias Type:	Alternate Name
Alias Name:	CA99799F569000
Alias Type:	Federal Facility ID
Alias Name:	J09CA0730
Alias Type:	INPR
Alias Name:	80000531
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Inventory Project Report (INPR)
Completed Date:	09/30/1999
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

E38 **WILMINGTON CLA & HOLD YD** **FUDS** **1007212263**
East **N/A**
1/4-1/2 **LOS ANGELES, CA**
0.285 mi.
1506 ft. **Site 3 of 3 in cluster E**

Relative:
Higher

Actual:
26 ft.

FUDS:

EPA Region:	9
Installation ID:	CA99799F569000
Congressional District Number:	44
Name:	WILMINGTON CLA & HOLD YD
FUDS Number:	J09CA0730
City:	LOS ANGELES
State:	CA
County:	LOS ANGELES
Object ID:	7887
USACE Division:	SPD

WILMINGTON CLA & HOLD YD (Continued) **1007212263**

USACE District: Los Angeles District (SPL)
Status: Properties with all projects at site closeout
Current Owner: LOCAL: CITY VETERANS ADMIIN AND CITY OF LOS ANGELES, USED FOR SULFUR STORAGE, IMPORT & EXPORT OPERATIONS, WAREHOUSES & A REFINERY , CITY VETERANS ADMIIN AND CITY OF LOS ANGELES, USED FOR SULFUR STORAGE, IMPORT & EXPORT OPERATIONS, WAREHOUSES & A REFIN
EMS Map Link: https://fudsportal.usace.army.mil/ems/ems/inventory/map/map?id=61234
Eligibility: Eligible
Has Projects: Yes
NPL Status: Not on the NPL
Property History: The site was used by the U.S. Army asa loading and storage area for military equipment awaiting shipment. Improvements to the site, all constructed in 1943 and 1944, included three warehouses, a railroad spur, sewer and water lines. The property, forme

Project Required: Yes
Feature Description: Not reported
Latitude: 33.8125
Longitude: -118.224999999999

FUDS Detail as of Jan 2015:
Fiscal Year: 2013
Federal Facility ID: CA9799F5690
RAB: Not reported
NPL Status: Not Listed
Description: The site consisted of 274.57 acres, located 2401 E. Pacific Coast Highway in Wilmington, California. The property composing the Wilmington Class and Hold Yard was acquired by the U.S. Army during 1943 and 1944. Records indicate that 272.23 acres were leased from the City of Los Angeles (W2972-eng-755 and W04- 193-eng-4356). Approximately 1.55 acres were leased from the Watson Land Company (W04-193-eng2652). Approximately 0.65 acres were acquired by permit and 0.142 acres were acquired by license from various private and public parties. Thus, a total of 274.57 acres were acquired by the Army for the Wilmington Class and Hold Yard. In the months of May and June 1946, 201.57 and 73 acres, respectively, of the Class and Hold Yard were declared surplus. On 1 July 1946 the land was transferred to the Veterans Administration. The City of Los Angeles currently owns 272.23 acres of the former Wilmington Class and Hold Yard. The property is currently being beneficially used for many purposes. Business located on the property include shipping container platforms for loading and unloading container onto railroad cars (Intermodal Container and Transportation Facility), sulfur storage (California Sulfur Company), import and export operations (Import Dealers Service Corporation), warehouses (Port of Los Angeles, California Cartage Company, Inc.) and a refinery (Texaco).
History: The site was used by the U.S. Army asa loading and storage area for military equipment awaiting shipment. Improvements to the site, all constructed in 1943 and 1944, included three warehouses, a railroad spur, sewer and water lines. The property, formerly known as Manuel Warehouse, is currently the site of the Cal Cartage, Inc., a container and freight station that stores and distributes goods that arrive at the Port of Los Angeles from U.S. and international destinations. Goods stored and distributed at the facility include bulk cotton, copper, and other miscellaneous items. Cal Cartage occupies approximately the same area as the former Manuel Warehouse, which encompassed 85 acres. The southern boundary of Cal Cartage is Pacific Coast Highway; the northern boundary is Sepulveda Boulevard; the

WILMINGTON CLA & HOLD YD (Continued) **1007212263**

western Boundary is the Dominguez Channel and Union Pacific Railroad Line; and the eastern boundary is a Southern California Edison electrical tower transmission easement. Although Cal Cartage leases the Edison easement for storage, this easement is not part of the Wilmington Classification and Hold Yard or Manuel Warehouse site. There are three 200,000 square foot former DoD warehouses being beneficially used by Cal Cartage. These warehouses currently numbered 13, 16, and 17 (formerly numbers 1, 2, and 3 respectively) were constructed in 1943 for the DoD. The LA Ordnance Depot occupied warehouse No. 17. The warehouses are surrounded by roadways, rail lines, and other miscellaneous facilities associated with importing and exporting of goods from the port. Some of the rail lines, constructed for DoD use, are being beneficially used. Large portions of the property are occupied by stored freight containers.

CTC: 163
Current Program: Not reported
Future Program: Not reported
Institutional ID: 61234

39
ESE
1/4-1/2
0.309 mi.
1631 ft.

TED HAMMETT **SEMS-ARCHIVE** **1003878477**
E OF ALAMEDA N OF SEPULVEDA **CAD980636450**
CARSON, CA 90744

Relative:
Higher

Actual:
23 ft.

SEMS Archive:
Site ID: 0901812
EPA ID: CAD980636450
Name: TED HAMMETT
Address: E OF ALAMEDA N OF SEPULVEDA
Address 2: Not reported
City,State,Zip: CARSON, CA 90744
Cong District: 32
FIPS Code: 06037
FF: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:
Region: 09
Site ID: 0901812
EPA ID: CAD980636450
Site Name: TED HAMMETT
NPL: N
FF: N
OU: 00
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 1990-03-27 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 09
Site ID: 0901812
EPA ID: CAD980636450

TED HAMMETT (Continued) **1003878477**

Site Name:	TED HAMMETT
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	Not reported
Finish Date:	1990-03-27 05:00:00
Qual:	N
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0901812
EPA ID:	CAD980636450
Site Name:	TED HAMMETT
NPL:	N
FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1981-06-01 04:00:00
Finish Date:	1981-06-01 04:00:00
Qual:	Not reported
Current Action Lead:	St Perf
Region:	09
Site ID:	0901812
EPA ID:	CAD980636450
Site Name:	TED HAMMETT
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	2
Start Date:	1986-05-01 04:00:00
Finish Date:	1987-07-01 04:00:00
Qual:	L
Current Action Lead:	St Perf

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40 **ARCO REFINERY** **CPS-SLIC** **S104404954**
WSW **1801 SEPULVEDA** **N/A**
1/4-1/2 **CARSON, CA 90749**
0.353 mi.
1865 ft.

Relative:
Higher

Actual:
31 ft.

SLIC REG 4:

Region:	4
Facility Status:	Remediation
SLIC:	0224
Substance:	TPH
Staff:	PC

F41 **CHEMOIL TERMINALS CORP.** **CPS-SLIC** **S102002384**
SE **2365 E SEPULVEDA BLVD** **EMI** **N/A**
1/4-1/2 **CARSON, CA 90810** **LOS ANGELES CO. HMS**
0.416 mi. **NPDES**
2198 ft. **Site 1 of 2 in cluster F** **WDS**
CIWQS
Relative: Higher **CERS**

Actual: 29 ft.

CPS-SLIC:

Name:	CHEMOIL TANK FARM
Address:	2365 E. SEPULVEDA BLVD
City,State,Zip:	CARSON, CA
Region:	STATE
Facility Status:	**Open - Site Assessment**
Status Date:	05/19/2009
Global Id:	SL374472460
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	33.8068232987013
Longitude:	-118.22696685791
Case Type:	Cleanup Program Site
Case Worker:	NLA
Local Agency:	Not reported
RB Case Number:	0453B
File Location:	Regional Board
Potential Media Affected:	Aquifer used for drinking water supply, Indoor Air, Other Groundwater (uses other than drinking water), Sediments, Soil, Soil Vapor, Under Investigation
Potential Contaminants of Concern:	Lead, Benzene, Ethylbenzene, MTBE / TBA / Other Fuel Oxygenates, Toluene, Total Petroleum Hydrocarbons (TPH), Xylene
Site History:	This site is a petroleum terminal and tank farm. Groundwater is impacted by petroleum hydrocarbons with the primary contaminant being benzene at concentrations up to 1,800 ug/L (as of March 2009 sampling). Other groundwater contaminants include total xylenes, MTBE, TBA, and dissolved lead. The groundwater plume appears to be stable on-site, with the possible exception of MTBE transport to the west. The source area onsite is unknown.

Click here to access the California GeoTracker records for this facility:

EMI:

Name:	CHEMOIL REF CORP (NSR USE ONLY
Address:	2365 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 908101944
Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	800272
Air District Name:	SC
SIC Code:	5171
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	15
Reactive Organic Gases Tons/Yr:	13
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0

CHEMOIL TERMINALS CORP. (Continued) **S102002384**

Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name:	CHEMOIL REF CORP (NSR USE ONLY
Address:	2365 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 908101944
Year:	1993
County Code:	19
Air Basin:	SC
Facility ID:	800272
Air District Name:	SC
SIC Code:	5171
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	44
Reactive Organic Gases Tons/Yr:	29
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	CHEMOIL REF CORP (NSR USE ONLY
Address:	2365 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 908101944
Year:	1995
County Code:	19
Air Basin:	SC
Facility ID:	800272
Air District Name:	SC
SIC Code:	5171
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	44
Reactive Organic Gases Tons/Yr:	29
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	CHEMOIL REF CORP (NSR USE ONLY
Address:	2365 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 908101944
Year:	1996
County Code:	19
Air Basin:	SC
Facility ID:	800272
Air District Name:	SC
SIC Code:	5171
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	44
Reactive Organic Gases Tons/Yr:	30
Carbon Monoxide Emissions Tons/Yr:	0

CHEMOIL TERMINALS CORP. (Continued) **S102002384**

NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: CHEMOIL TERMINALS CORPORATION
Address: 2365 E SEPULVEDA BLVD
City,State,Zip: CARSON, CA 908101944
Year: 1997
County Code: 19
Air Basin: SC
Facility ID: 800272
Air District Name: SC
SIC Code: 5171
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 40
Reactive Organic Gases Tons/Yr: 26
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: CHEMOIL TERMINALS CORPORATION
Address: 2365 E SEPULVEDA BLVD
City,State,Zip: CARSON, CA 908101944
Year: 1998
County Code: 19
Air Basin: SC
Facility ID: 800272
Air District Name: SC
SIC Code: 5171
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 40
Reactive Organic Gases Tons/Yr: 26
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: CHEMOIL TERMINALS CORPORATION
Address: 2365 E SEPULVEDA BLVD
City,State,Zip: CARSON, CA 908101944
Year: 1999
County Code: 19
Air Basin: SC
Facility ID: 800272
Air District Name: SC
SIC Code: 5171
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported

CHEMOIL TERMINALS CORP. (Continued) **S102002384**

Total Organic Hydrocarbon Gases Tons/Yr:	40
Reactive Organic Gases Tons/Yr:	26
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	CHEMOIL TERMINALS CORPORATION
Address:	2365 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 908101944
Year:	2000
County Code:	19
Air Basin:	SC
Facility ID:	800272
Air District Name:	SC
SIC Code:	5171
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	40
Reactive Organic Gases Tons/Yr:	26
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	CHEMOIL REF CORP (NSR USE ONLY)
Address:	2365 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 908101944
Year:	2001
County Code:	19
Air Basin:	SC
Facility ID:	800272
Air District Name:	SC
SIC Code:	5171
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	B
Total Organic Hydrocarbon Gases Tons/Yr:	30
Reactive Organic Gases Tons/Yr:	19
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	CHEMOIL TERMINALS CORPORATION
Address:	2365 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 908101944
Year:	2005
County Code:	19
Air Basin:	SC
Facility ID:	800272
Air District Name:	SC
SIC Code:	5171

CHEMOIL TERMINALS CORP. (Continued) **S102002384**

Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	44.395005
Reactive Organic Gases Tons/Yr:	43.5516240325
Carbon Monoxide Emissions Tons/Yr:	.001423
NOX - Oxides of Nitrogen Tons/Yr:	.02585
SOX - Oxides of Sulphur Tons/Yr:	.0000451
Particulate Matter Tons/Yr:	.017835
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.0178336

Name:	CHEMOIL TERMINALS CORPORATION
Address:	2365 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 908101944
Year:	2006
County Code:	19
Air Basin:	SC
Facility ID:	800272
Air District Name:	SC
SIC Code:	5171
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	22.10089942867557202
Reactive Organic Gases Tons/Yr:	17.113
Carbon Monoxide Emissions Tons/Yr:	.006
NOX - Oxides of Nitrogen Tons/Yr:	.087
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	.054
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.05184

Name:	CHEMOIL TERMINALS CORPORATION
Address:	2365 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 908101944
Year:	2007
County Code:	19
Air Basin:	SC
Facility ID:	800272
Air District Name:	SC
SIC Code:	5171
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	18.28691522792868601
Reactive Organic Gases Tons/Yr:	17.113
Carbon Monoxide Emissions Tons/Yr:	.006
NOX - Oxides of Nitrogen Tons/Yr:	.087
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	.054
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.05184

Name:	CHEMOIL TERMINALS CORPORATION
Address:	2365 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90810
Year:	2008
County Code:	19
Air Basin:	SC

CHEMOIL TERMINALS CORP. (Continued) **S102002384**

Facility ID:	800272
Air District Name:	SC
SIC Code:	5171
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	14.84511595376229257
Reactive Organic Gases Tons/Yr:	13.900943418923
Carbon Monoxide Emissions Tons/Yr:	.00705462505
NOX - Oxides of Nitrogen Tons/Yr:	.110260373
SOX - Oxides of Sulphur Tons/Yr:	.0002348093675
Particulate Matter Tons/Yr:	.07017175
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.06737175

Name:	CHEMOIL TERMINALS CORPORATION
Address:	2365 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90810
Year:	2009
County Code:	19
Air Basin:	SC
Facility ID:	800272
Air District Name:	SC
SIC Code:	5171
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	14.895987240356099
Reactive Organic Gases Tons/Yr:	14.0658391
Carbon Monoxide Emissions Tons/Yr:	3.9144000000000001E-4
NOX - Oxides of Nitrogen Tons/Yr:	6.5440000000000003E-3
SOX - Oxides of Sulphur Tons/Yr:	1.1518999999999999E-5
Particulate Matter Tons/Yr:	4.3220999999999997E-3
Part. Matter 10 Micrometers and Smllr Tons/Yr:	4.1524999999999999E-3

Name:	CHEMOIL TERMINALS CORPORATION
Address:	2365 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90810
Year:	2010
County Code:	19
Air Basin:	SC
Facility ID:	800272
Air District Name:	SC
SIC Code:	5171
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	15.4120991223567
Reactive Organic Gases Tons/Yr:	14.562949164167
Carbon Monoxide Emissions Tons/Yr:	6.8000000000000005E-4
NOX - Oxides of Nitrogen Tons/Yr:	1.1429999999999999E-2
SOX - Oxides of Sulphur Tons/Yr:	1.6500000000000001E-5
Particulate Matter Tons/Yr:	7.5300000000000002E-3
Part. Matter 10 Micrometers and Smllr Tons/Yr:	7.4327999999999998E-3

Name:	CHEMOIL TERMINALS CORPORATION
Address:	2365 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90810

CHEMOIL TERMINALS CORP. (Continued) **S102002384**

Year:	2011
County Code:	19
Air Basin:	SC
Facility ID:	800272
Air District Name:	SC
SIC Code:	5171
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	17.730348952
Reactive Organic Gases Tons/Yr:	16.919435851
Carbon Monoxide Emissions Tons/Yr:	0.00133
NOX - Oxides of Nitrogen Tons/Yr:	0.0223
SOX - Oxides of Sulphur Tons/Yr:	3.9361934e-005
Particulate Matter Tons/Yr:	0.01471
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.0145864

Name:	CHEMOIL TERMINALS CORPORATION
Address:	2365 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90810
Year:	2012
County Code:	19
Air Basin:	SC
Facility ID:	800272
Air District Name:	SC
SIC Code:	5171
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	22.888126626
Reactive Organic Gases Tons/Yr:	22.07438498
Carbon Monoxide Emissions Tons/Yr:	0.00859
NOX - Oxides of Nitrogen Tons/Yr:	0.13398
SOX - Oxides of Sulphur Tons/Yr:	0.00078
Particulate Matter Tons/Yr:	0.00643
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.0062552

Name:	CHEMOIL TERMINALS CORPORATION
Address:	2365 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90810
Year:	2013
County Code:	19
Air Basin:	SC
Facility ID:	800272
Air District Name:	SC
SIC Code:	5171
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	21.568368351
Reactive Organic Gases Tons/Yr:	20.663034707
Carbon Monoxide Emissions Tons/Yr:	0.05188
NOX - Oxides of Nitrogen Tons/Yr:	0.51693
SOX - Oxides of Sulphur Tons/Yr:	0.00301
Particulate Matter Tons/Yr:	0.05665
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.0548304

CHEMOIL TERMINALS CORP. (Continued) **S102002384**

Name:	CHEMOIL TERMINALS CORPORATION
Address:	2365 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90810
Year:	2014
County Code:	19
Air Basin:	SC
Facility ID:	800272
Air District Name:	SC
SIC Code:	5171
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	29.472302441
Reactive Organic Gases Tons/Yr:	22.3315
Carbon Monoxide Emissions Tons/Yr:	0.08925
NOX - Oxides of Nitrogen Tons/Yr:	0.3315
SOX - Oxides of Sulphur Tons/Yr:	0.00153
Particulate Matter Tons/Yr:	0.01912
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.018164

LOS ANGELES CO. HMS:

Name:	CHEMOIL REFINING CORP
Address:	2365 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 908101944
Region:	LA
Permit Category:	Not reported
Facility Id:	001480-001554
Facility Type:	Not reported
Facility Status:	OPEN
Area:	22
Permit Number:	Not reported
Permit Status:	Not reported

NPDES:

Name:	CHEMOIL TERMINALS CORPORATION
Address:	2365 E SEPULVEDA BLVD
City,State,Zip:	LONG BEACH, CA 90810
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	4 19I001838
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported

CHEMOIL TERMINALS CORP. (Continued) **S102002384**

Status:	Active
Status Date:	09/01/2010
Operator Name:	Chemoil Corporation
Operator Address:	2365 E Sepulveda Blvd
Operator City:	Long Beach
Operator State:	California
Operator Zip:	90802

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	188869
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19I001838
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	03/30/1992
Status:	Active
Status Date:	09/01/2010
Place Size:	15
Place Size Unit:	Acres
Contact:	Sampson Tang
Contact Title:	Compliance Manager
Contact Phone:	562-485-4214
Contact Phone Ext:	Not reported
Contact Email:	sampson.tang@chemoil.com
Operator Name:	Chemoil Corporation
Operator Address:	2365 E Sepulveda Blvd
Operator City:	Long Beach
Operator State:	California
Operator Zip:	90802
Operator Contact:	Sampson Tang
Operator Contact Title:	Compliance Manager
Operator Contact Phone:	562-485-4214
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	sampson.tang@chemoil.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported

CHEMOIL TERMINALS CORP. (Continued) **S102002384**

Emergency Phone:	562-424-8515
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Pacific Ocean
Certifier:	Sampson Tang
Certifier Title:	Mr. Compliance Engineer
Certification Date:	26-JUN-15
Primary Sic:	5171-Petroleum Bulk Stations and Terminals
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	188869
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19I001838
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	03/30/1992
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Chemoil Corporation
Discharge Address:	2365 E Sepulveda Blvd
Discharge City:	Long Beach
Discharge State:	California
Discharge Zip:	90802
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported

CHEMOIL TERMINALS CORP. (Continued) **S102002384**

Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	CHEMOIL TERMINALS CORPORATION
Address:	2365 E SEPULVEDA BLVD
City,State,Zip:	LONG BEACH, CA 90810
Facility Status:	Active
NPDES Number:	CAS000001
Region:	4
Agency Number:	0
Regulatory Measure ID:	188869
Place ID:	Not reported
Order Number:	97-03-DWQ

CHEMOIL TERMINALS CORP. (Continued) **S102002384**

WDID:	4 19I001838
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	03/30/1992
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	2365 E Sepulveda Blvd
Discharge Name:	Chemoil Corporation
Discharge City:	Long Beach
Discharge State:	California
Discharge Zip:	90802
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	188869
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19I001838
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	03/30/1992
Status:	Active
Status Date:	09/01/2010
Place Size:	15
Place Size Unit:	Acres
Contact:	Sampson Tang
Contact Title:	Compliance Manager
Contact Phone:	562-485-4214
Contact Phone Ext:	Not reported
Contact Email:	sampson.tang@chemoil.com
Operator Name:	Chemoil Corporation
Operator Address:	2365 E Sepulveda Blvd
Operator City:	Long Beach
Operator State:	California
Operator Zip:	90802
Operator Contact:	Sampson Tang
Operator Contact Title:	Compliance Manager

CHEMOIL TERMINALS CORP. (Continued) **S102002384**

Operator Contact Phone:	562-485-4214
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	sampson.tang@chemoil.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	562-424-8515
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Pacific Ocean
Certifier:	Sampson Tang
Certifier Title:	Mr. Compliance Engineer
Certification Date:	26-JUN-15
Primary Sic:	5171-Petroleum Bulk Stations and Terminals
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	188869
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19I001838
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	03/30/1992
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Chemoil Corporation
Discharge Address:	2365 E Sepulveda Blvd
Discharge City:	Long Beach
Discharge State:	California

CHEMOIL TERMINALS CORP. (Continued) **S102002384**

Discharge Zip:	90802
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CHEMOIL TERMINALS CORP. (Continued) **S102002384**

WDS:

Name:	CHEMOIL TERMINALS CORP.
Address:	2365 E Sepulveda Blvd
City:	CARSON
Facility ID:	4 19I001838
Facility Type:	Other - Does not fall into the category of Municipal/Domestic, Industrial, Agricultural or Solid Waste (Class I, II or III)
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	4
Facility Telephone:	5624276611
Facility Contact:	Ken Ezoe
Agency Name:	CHEMOIL TERMINALS CORP.
Agency Address:	Not reported
Agency City,St,Zip:	0
Agency Contact:	Not reported
Agency Telephone:	Not reported
Agency Type:	Private
SIC Code:	5171
SIC Code 2:	Not reported
Primary Waste Type:	Nonhazardous Solid Wastes/Influent or Solid Wastes that contain nonhazardous putrescible and non putrescible solid, semisolid, and liquid wastes (E.G., garbage, trash, refuse, paper, demolition and construction wastes, manure, vegetable or animal solid and semisolid waste).
Primary Waste:	STORMS
Waste Type2:	Not reported
Waste2:	Stormwater Runoff
Primary Waste Type:	Nonhazardous Solid Wastes/Influent or Solid Wastes that contain nonhazardous putrescible and non putrescible solid, semisolid, and liquid wastes (E.G., garbage, trash, refuse, paper, demolition and construction wastes, manure, vegetable or animal solid and semisolid waste).
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	No reclamation requirements associated with this facility.
POTW:	The facility is not a POTW.
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

CIWQS:

Name:	CHEMOIL TERMINALS CORPORATION

CHEMOIL TERMINALS CORP. (Continued) **S102002384**

Address:	2365 E SEPULVEDA BLVD
City,State,Zip:	LONG BEACH, CA 90810
Agency:	Chemoil Corporation
Agency Address:	2365 E Sepulveda Blvd, Long Beach, CA 90802
Place/Project Type:	Industrial - Petroleum Bulk Stations and Terminals
SIC/NAICS:	5171
Region:	4
Program:	INDSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	4 19I001838
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	03/30/1992
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	1
Violations within 5 years:	2
Latitude:	33.80555
Longitude:	-118.22571

CERS:

Name:	CHEMOIL TERMINALS CORPORATION
Address:	2365 E SEPULVEDA BLVD
City,State,Zip:	LONG BEACH, CA 90810
Site ID:	529095
CERS ID:	217477
CERS Description:	Industrial Facility Storm Water

Violations:

Site ID:	529095
Site Name:	Chemoil Terminals Corporation
Violation Date:	04-18-2018
Citation:	2014-0057-DWQ - Industrial General Permit
Violation Description:	SWPPP
Violation Notes:	NOV issued for failure to develop a complete SWPPP in accordance with the Industrial Stormwater General Permit Order No. 2014-0057-DWQ.
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	SMARTS

Site ID:	529095
Site Name:	Chemoil Terminals Corporation
Violation Date:	12-03-2008
Citation:	2014-0057-DWQ - Industrial General Permit
Violation Description:	SW - Deficient BMP Implementation
Violation Notes:	450 - mhos/cm of SC was detected at the sample location, No 1, on 12/03/2008.
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	SMARTS

CHEMOIL TERMINALS CORP. (Continued) **S102002384**

Site ID: 529095
Site Name: Chemoil Terminals Corporation
Violation Date: 07-02-1999
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SW - Deficient Report
Violation Notes: Non-submittal of Annual Report. Due 7//1/1999
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS

Site ID: 529095
Site Name: Chemoil Terminals Corporation
Violation Date: 09-17-2019
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SW - Late Report
Violation Notes: late 2018-2019 annual report
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS

Enforcement Action:
Site ID: 529095
Site Name: Chemoil Terminals Corporation
Site Address: 2365 E SEPULVEDA BLVD
Site City: LONG BEACH
Site Zip: 90810
Enf Action Date: 03-09-2010
Enf Action Type: Staff Enforcement Letter
Enf Action Description: Staff Enforcement Letter
Enf Action Notes: The letter, AR Review - Benchmark Exceedance, was sent to ensure that the permittee will develop and implement the BMPs to reduce or prevent pollutants in SW discharges. Letter also required permittee to submit evidence of implemented additional BMPs and SWPPP amendments if the permittee is already implementing the BMPs.
Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS

Site ID: 529095
Site Name: Chemoil Terminals Corporation
Site Address: 2365 E SEPULVEDA BLVD
Site City: LONG BEACH
Site Zip: 90810
Enf Action Date: 04-18-2018
Enf Action Type: Notice of Violation
Enf Action Description: Notice of Violation
Enf Action Notes: NOV Issued for failure to develop a complete SWPPP in accordance with the Industrial Stormwater General Permit Order No. 2014-0057-DWQ.
Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS

Site ID: 529095
Site Name: Chemoil Terminals Corporation
Site Address: 2365 E SEPULVEDA BLVD
Site City: LONG BEACH
Site Zip: 90810

CHEMOIL TERMINALS CORP. (Continued) **S102002384**

Enf Action Date: 09-17-2019
Enf Action Type: Industrial Storm Water Enforcement
Enf Action Description: Industrial Storm Water Enforcement
Enf Action Notes: late 2018-2019 annual report
Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS

Affiliation:
Affiliation Type Desc: Owner/Operator
Entity Name: Chemoil Corporation
Entity Title: Operator
Affiliation Address: 2365 E Sepulveda Blvd
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90802
Affiliation Phone: Not reported

Name: CHEMOIL TANK FARM
Address: 2365 E. SEPULVEDA BLVD
City,State,Zip: CARSON, CA
Site ID: 259961
CERS ID: SL374472460
CERS Description: Cleanup Program Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: NICOLE ALKOV - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W 4th Street, Suite 200
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 2135766677

Name: CHEMOIL TERMINALS CORP
Address: 2365 EAST SEPULVEDA BOULEVARD
City,State,Zip: CARSON, CA 90810-1944
Site ID: 458997
CERS ID: 110000476413
CERS Description: US EPA Air Emission Inventory System (EIS)

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: SAMPSON TANG
Entity Title: EHS & COMPLIANCE ENGINEER
Affiliation Address: 2365 EAST SEPULVEDA BLVD
Affiliation City: CARSON
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Property Owner

CHEMOIL TERMINALS CORP. (Continued) **S102002384**

Entity Name:	Watson Land
Entity Title:	Not reported
Affiliation Address:	22010 WILMINGTON AVENUE
Affiliation City:	CARSON
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Public Contact
Entity Name:	Sampson Tang
Entity Title:	Not reported
Affiliation Address:	2365 E SEPULVEDA BLVD
Affiliation City:	LONGBEACH
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

F42 **WATSON LAND CO. - BLDG 0004.1** **CPS-SLIC** **S104404957**
SE **2222 SEPULVEDA** **N/A**
1/4-1/2 **CARSON, CA 90810**
0.421 mi.
2225 ft. **Site 2 of 2 in cluster F**

Relative: **Higher**
Actual: **29 ft.**

SLIC REG 4:

Region:	4
Facility Status:	No further action required
SLIC:	0478B
Substance:	TPH
Staff:	Not reported

G43 **ALAMEDA ST SAN LDFL** **ENVIROSTOR** **S106829069**
North **22700 S ALAMEDA ST** **EMI** **N/A**
1/4-1/2 **CARSON, CA 90810**
0.483 mi.
2548 ft. **Site 1 of 2 in cluster G**

Relative: **Higher**
Actual: **25 ft.**

ENVIROSTOR:

Name:	ALAMEDA ST SAN LDFL
Address:	22700 S ALAMEDA ST
City,State,Zip:	CARSON, CA 90810
Facility ID:	60001198
Status:	Inactive - Needs Evaluation
Status Date:	10/02/2018
Site Code:	400860
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	19
NPL:	NO
Regulatory Agencies:	SMBRP, US EPA
Lead Agency:	US EPA
Program Manager:	Not reported
Supervisor:	Manny Alonzo
Division Branch:	Cleanup Cypress

ALAMEDA ST SAN LDFL (Continued) **S106829069**

Assembly: 64
Senate: 35
Special Program: EPA - PASI
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: EPA Grant
Latitude: 33.81947
Longitude: -118.2303
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 400860
Alias Type: Project Code (Site Code)
Alias Name: 60001198
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: PA/SI Reassessment
Completed Date: 03/17/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: PA/SI Reassessment
Completed Date: 05/29/2015
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

EMI:
Name: COMMON MARKET CONTAINER SERVIC
Address: 22700 S ALAMEDA
City,State,Zip: LONG BEACH, CA 90810
Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 69959
Air District Name: SC
SIC Code: 2656
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 10
Reactive Organic Gases Tons/Yr: 6
Carbon Monoxide Emissions Tons/Yr: 3

ALAMEDA ST SAN LDFL (Continued) **S106829069**

NOX - Oxides of Nitrogen Tons/Yr:	3
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	6
Part. Matter 10 Micrometers and Smllr Tons/Yr:	5

Name:	COMMON MARKET CONTAINER SERVIC
Address:	22700 S ALAMEDA
City,State,Zip:	LONG BEACH, CA 90810
Year:	1993
County Code:	19
Air Basin:	SC
Facility ID:	69959
Air District Name:	SC
SIC Code:	2656
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	2
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	6
Part. Matter 10 Micrometers and Smllr Tons/Yr:	5

Name:	COMMON MARKET CONTAINER SERVIC
Address:	22700 S ALAMEDA
City,State,Zip:	LONG BEACH, CA 90810
Year:	1995
County Code:	19
Air Basin:	SC
Facility ID:	69959
Air District Name:	SC
SIC Code:	2656
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	2
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	6
Part. Matter 10 Micrometers and Smllr Tons/Yr:	5

G44 **ALAMEDA ST SAN LDFL** **SEMS** **1000297229**
North **22700 S ALAMEDA ST** **CAD980636393**
1/4-1/2 **CARSON, CA 90810**
0.483 mi.
2548 ft. **Site 2 of 2 in cluster G**

Relative: SEMS:
Higher

Site ID:	0901806
EPA ID:	CAD980636393
Name:	ALAMEDA ST SAN LDFL
Address:	22700 S ALAMEDA ST
Address 2:	Not reported
City,State,Zip:	CARSON, CA 90810

Actual:
25 ft.

ALAMEDA ST SAN LDFL (Continued) **1000297229**

Cong District: 32
FIPS Code: 06037
Latitude: Not reported
Longitude: Not reported
FF: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Detail:

Region: 09
Site ID: 0901806
EPA ID: CAD980636393
Site Name: ALAMEDA ST SAN LDFL
NPL: N
FF: N
OU: 00
Action Code: OO
Action Name: SITE REASS
SEQ: 1
Start Date: 2013-07-01 05:00:00
Finish Date: 10/1/2014 5:00:00 AM
Qual: N
Current Action Lead: EPA Perf

Region: 09
Site ID: 0901806
EPA ID: CAD980636393
Site Name: ALAMEDA ST SAN LDFL
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 2
Start Date: 1988-12-21 05:00:00
Finish Date: 12/21/1988 5:00:00 AM
Qual: L
Current Action Lead: EPA Perf

Region: 09
Site ID: 0901806
EPA ID: CAD980636393
Site Name: ALAMEDA ST SAN LDFL
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: 1984-11-01 06:00:00
Finish Date: 11/1/1984 6:00:00 AM
Qual: L
Current Action Lead: EPA Perf

Region: 09
Site ID: 0901806
EPA ID: CAD980636393
Site Name: ALAMEDA ST SAN LDFL

ALAMEDA ST SAN LDFL (Continued) **1000297229**

NPL:	N
FF:	N
OU:	00
Action Code:	SI
Action Name:	SI
SEQ:	1
Start Date:	1991-07-06 04:00:00
Finish Date:	7/6/1991 4:00:00 AM
Qual:	H
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0901806
EPA ID:	CAD980636393
Site Name:	ALAMEDA ST SAN LDFL
NPL:	N
FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1979-11-01 05:00:00
Finish Date:	11/1/1979 5:00:00 AM
Qual:	Not reported
Current Action Lead:	St Perf

45
SE
1/2-1
0.501 mi.
2647 ft.

PHILIP WEST INDUSTRIAL SERVICES
2222 E SEPULVEDA
CARSON, CA 90810

HAZNET **S103642990**
HWP **N/A**
CERS
HWTS

Relative:
Higher

Actual:
26 ft.

HAZNET:

Name:	PHILIP WEST INDUSTRIAL SERVICES
Address:	2222 E SEPULVEDA
Address 2:	Not reported
City,State,Zip:	CARSON, CA 908100000
Contact:	CRAIG ERICKSON
Telephone:	7077468287
Mailing Name:	Not reported
Mailing Address:	2222 E SEPULVEDA BLVD
Year:	2003
Gepaid:	CAD981685886
TSD EPA ID:	WAD991281767
CA Waste Code:	791 - Liquids with pH <= 2
Disposal Method:	T01 - Treatment, Tank
Tons:	0.0025
Year:	2003
Gepaid:	CAD981685886
TSD EPA ID:	WAD991281767
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	T03 - Treatment, Incineration
Tons:	0.0025
Year:	2003

PHILIP WEST INDUSTRIAL SERVICES (Continued) **S103642990**

Gepaid:	CAD981685886
TSD EPA ID:	CAD008364432
CA Waste Code:	551 - Laboratory waste chemicals
Disposal Method:	H01 - Transfer Station
Tons:	0.245
Year:	2003
Gepaid:	CAD981685886
TSD EPA ID:	NVT330010000
CA Waste Code:	352 - Other organic solids
Disposal Method:	D80 - Disposal, Land Fill
Tons:	0.00417
Year:	2002
Gepaid:	CAD981685886
TSD EPA ID:	CAD028409019
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	T01 - Treatment, Tank
Tons:	0.836
Year:	2002
Gepaid:	CAD981685886
TSD EPA ID:	CAD097030993
CA Waste Code:	132 - Aqueous solution with metals (< restricted levels and (Alkaline solution (pH >= 12.5) with metals))
Disposal Method:	R01 - Recycler
Tons:	15.012
Year:	2002
Gepaid:	CAD981685886
TSD EPA ID:	CAD028409019
CA Waste Code:	352 - Other organic solids
Disposal Method:	H01 - Transfer Station
Tons:	0.45
Year:	2001
Gepaid:	CAD981685886
TSD EPA ID:	CAD982444481
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	H01 - Transfer Station
Tons:	12.642
Year:	2001
Gepaid:	CAD981685886
TSD EPA ID:	CAD981382732
CA Waste Code:	151 - Asbestos containing waste
Disposal Method:	-
Tons:	0.8428
Year:	2000
Gepaid:	CAD981685886
TSD EPA ID:	CAT080013352
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	-
Tons:	0.152

PHILIP WEST INDUSTRIAL SERVICES (Continued) **S103642990**

Click this hyperlink while viewing on your computer to access
18 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year:	1998
Gen EPA ID:	CAD981685886
Shipment Date:	19980611
Creation Date:	9/3/1998 0:00:00
Receipt Date:	19980611
Manifest ID:	96642715
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	4.56
Waste Quantity:	1200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980213
Creation Date:	4/16/1998 0:00:00
Receipt Date:	19980225
Manifest ID:	96866692
Trans EPA ID:	WAR000001743
Trans Name:	Not reported
Trans 2 EPA ID:	CAD063547996
Trans 2 Name:	Not reported
TSDF EPA ID:	WAD991281767
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

PHILIP WEST INDUSTRIAL SERVICES (Continued) **S103642990**

Additional Info:

Year:	1994
Gen EPA ID:	CAD981685886
Shipment Date:	19940302
Creation Date:	10/5/1995 0:00:00
Receipt Date:	19940304
Manifest ID:	92794657
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0795
Waste Quantity:	159
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2001
Gen EPA ID:	CAD981685886
Shipment Date:	20010421
Creation Date:	6/27/2001 0:00:00
Receipt Date:	20010504
Manifest ID:	20464091
Trans EPA ID:	CAD982500019
Trans Name:	Not reported
Trans 2 EPA ID:	CAR000017657
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981382732
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD981382732
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.8428
Waste Quantity:	1
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

PHILIP WEST INDUSTRIAL SERVICES (Continued) **S103642990**

Shipment Date:	20010223
Creation Date:	5/16/2001 0:00:00
Receipt Date:	20010223
Manifest ID:	20426864
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD982444481
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	12.642
Waste Quantity:	15
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2000
Gen EPA ID:	CAD981685886

Shipment Date:	20000605
Creation Date:	7/12/2000 0:00:00
Receipt Date:	20000609
Manifest ID:	99832369
Trans EPA ID:	CAT080016116
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.152
Waste Quantity:	40
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1997
Gen EPA ID:	CAD981685886

PHILIP WEST INDUSTRIAL SERVICES (Continued) **S103642990**

Shipment Date:	19971205
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19971216
Manifest ID:	96867887
Trans EPA ID:	WAR000001743
Trans Name:	Not reported
Trans 2 EPA ID:	CAD063547996
Trans 2 Name:	Not reported
TSDF EPA ID:	WAD991281767
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19971117
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19971203
Manifest ID:	96867776
Trans EPA ID:	WAR000001743
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	WAD991281767
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.84
Waste Quantity:	200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19971001
Creation Date:	3/18/1998 0:00:00
Receipt Date:	19971006
Manifest ID:	96001577
Trans EPA ID:	WAR000001743
Trans Name:	Not reported
Trans 2 EPA ID:	CAD063547996
Trans 2 Name:	Not reported
TSDF EPA ID:	WAD991281767

PHILIP WEST INDUSTRIAL SERVICES (Continued) **S103642990**

Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.7
Waste Quantity:	1400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970912
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19970917
Manifest ID:	96863434
Trans EPA ID:	CAD982444481
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD982444481
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.171
Waste Quantity:	45
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970912
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19970917
Manifest ID:	96864790
Trans EPA ID:	CAD982444481
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD982444481
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P

PHILIP WEST INDUSTRIAL SERVICES (Continued) **S103642990**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970912
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19970917
Manifest ID:	96864790
Trans EPA ID:	CAD982444481
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD982444481
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.1425
Waste Quantity:	285
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970717
Creation Date:	12/4/1997 0:00:00
Receipt Date:	19970805
Manifest ID:	96849111
Trans EPA ID:	WAR000001743
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	WAD991281767
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	1.25
Waste Quantity:	2500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970617
Creation Date:	12/4/1997 0:00:00
Receipt Date:	19970625

PHILIP WEST INDUSTRIAL SERVICES (Continued) **S103642990**

Manifest ID:	96849020
Trans EPA ID:	WAR000001743
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	WAD991281767
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970505
Creation Date:	7/17/1997 0:00:00
Receipt Date:	Not reported
Manifest ID:	92238371
Trans EPA ID:	CAT080014277
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVD982358483
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970331
Creation Date:	6/26/1997 0:00:00
Receipt Date:	19970331
Manifest ID:	92238371
Trans EPA ID:	NVD982358483
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVD982358483
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

PHILIP WEST INDUSTRIAL SERVICES (Continued) **S103642990**

Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1993
Gen EPA ID:	CAD981685886
Shipment Date:	19930603
Creation Date:	9/8/1995 0:00:00
Receipt Date:	19930604
Manifest ID:	92329077
Trans EPA ID:	CAD981373665
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.294
Waste Quantity:	70
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1995
Gen EPA ID:	CAD981685886
Shipment Date:	19951205
Creation Date:	7/29/1996 0:00:00
Receipt Date:	19951205
Manifest ID:	95938076
Trans EPA ID:	CAD980584510
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080011059
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

PHILIP WEST INDUSTRIAL SERVICES (Continued) **S103642990**

Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	D99 - Disposal, Other
Quantity Tons:	0.225
Waste Quantity:	450
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19950810
Creation Date:	4/2/1996 0:00:00
Receipt Date:	19950821
Manifest ID:	95681819
Trans EPA ID:	CAD063547996
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	1.2
Waste Quantity:	2400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2003
Gen EPA ID:	CAD981685886
Shipment Date:	Not reported
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	21714786
Trans EPA ID:	CAD008364432
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008364432
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.09
Waste Quantity:	180

PHILIP WEST INDUSTRIAL SERVICES (Continued) **S103642990**

Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	Not reported
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	21714786
Trans EPA ID:	CAD008364432
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008364432
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030826
Creation Date:	7/29/2004 15:04:11
Receipt Date:	20030828
Manifest ID:	21714786
Trans EPA ID:	CAD008364432
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008364432
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030826
Creation Date:	7/29/2004 15:04:11

PHILIP WEST INDUSTRIAL SERVICES (Continued) **S103642990**

Receipt Date:	20030828
Manifest ID:	21714786
Trans EPA ID:	CAD008364432
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008364432
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20030826
Creation Date:	7/29/2004 15:04:11
Receipt Date:	20030828
Manifest ID:	21714786
Trans EPA ID:	CAD008364432
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008364432
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.01
Waste Quantity:	20
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20030826
Creation Date:	7/29/2004 15:04:11
Receipt Date:	20030828
Manifest ID:	21714786
Trans EPA ID:	CAD008364432
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008364432

PHILIP WEST INDUSTRIAL SERVICES (Continued) **S103642990**

TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D011
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.01
Waste Quantity:	20
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030826
Creation Date:	7/29/2004 15:04:35
Receipt Date:	20030711
Manifest ID:	21714787
Trans EPA ID:	CAD008364432
Trans Name:	Not reported
Trans 2 EPA ID:	CAT000624247
Trans 2 Name:	Not reported
TSDF EPA ID:	WAD991281767
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.0025
Waste Quantity:	5
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030826
Creation Date:	7/29/2004 15:04:35
Receipt Date:	20030711
Manifest ID:	21714787
Trans EPA ID:	CAD008364432
Trans Name:	Not reported
Trans 2 EPA ID:	CAT000624247
Trans 2 Name:	Not reported
TSDF EPA ID:	WAD991281767
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D003
Meth Code:	T03 - Treatment, Incineration
Quantity Tons:	0.0025
Waste Quantity:	5
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

PHILIP WEST INDUSTRIAL SERVICES (Continued) **S103642990**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030422
Creation Date:	7/31/2003 18:30:54
Receipt Date:	20030423
Manifest ID:	21814207
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.00417
Waste Quantity:	1
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1999
Gen EPA ID:	CAD981685886
Shipment Date:	19990122
Creation Date:	3/15/1999 0:00:00
Receipt Date:	19990122
Manifest ID:	98120351
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	5.004
Waste Quantity:	1200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

PHILIP WEST INDUSTRIAL SERVICES (Continued) **S103642990**

Additional Info:

Year:	2002
Gen EPA ID:	CAD981685886
Shipment Date:	20021122
Creation Date:	4/1/2003 18:31:07
Receipt Date:	20021122
Manifest ID:	21814055
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	132 - Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	15.012
Waste Quantity:	3600
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20020313
Creation Date:	7/17/2002 18:32:08
Receipt Date:	20020313
Manifest ID:	21719710
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.836
Waste Quantity:	220
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20020308
Creation Date:	1/8/2003 18:32:09
Receipt Date:	20020425
Manifest ID:	21675664

PHILIP WEST INDUSTRIAL SERVICES (Continued) **S103642990**

Trans EPA ID: CAD980584510
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD028409019
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported
Meth Code: H01 - Transfer Station
Quantity Tons: 0.45
Waste Quantity: 900
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 1996
Gen EPA ID: CAD981685886

Shipment Date: 19960424
Creation Date: 10/4/1996 0:00:00
Receipt Date: 19960424
Manifest ID: 96200852
Trans EPA ID: CAD981685886
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD028409019
Trans Name: Not reported
TSDF Alt EPA ID: CAD028409019
TSDF Alt Name: Not reported
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
RCRA Code: Not reported
Meth Code: T01 - Treatment, Tank
Quantity Tons: 12.6
Waste Quantity: 3000
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19960424
Creation Date: 10/29/1996 0:00:00
Receipt Date: 19960425
Manifest ID: 96200855
Trans EPA ID: CAD981685886
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD028409019

PHILIP WEST INDUSTRIAL SERVICES (Continued) **S103642990**

Trans Name:	Not reported
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	10.5
Waste Quantity:	2500
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19960423
Creation Date:	10/4/1996 0:00:00
Receipt Date:	19960423
Manifest ID:	96200848
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	21
Waste Quantity:	5000
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWP:

EPA ID:	CAD981685886
Name:	PHILIP WEST INDUSTRIAL SERVICES
Address:	2222 E SEPULVEDA
Cleanup Status:	CLOSED
Latitude:	33.80419
Longitude:	-118.2258
Facility Type:	Historical - Non-Operating
Facility Size:	Not reported
Supervisor:	Not reported
Site Code:	Not reported
Senate District:	35
Assembly District:	64
Public Information Officer:	Not reported
Commercial Offsite Facility Types:	Not reported
Quarterly Update:	Not reported
Project Manager Lead:	Not reported
Project Manager:	Not reported

PHILIP WEST INDUSTRIAL SERVICES (Continued) **S103642990**

Permit Type: Not reported
Permit Effective Date: Not reported
Permit Expiration Date: 08/29/1994 (OP),
Calenviroscreen Score: NA
Total Planned Hours: Not reported
Total Planned Amount: Not reported
Total Actual Hours: Not reported

Activities:

EPA ID: CAD981685886
Facility Type: Historical - Non-Operating
Facility Name: PHILIP WEST INDUSTRIAL SERVICES
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Status: CLOSED
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1994-08-22 00:00:00
Type: Not reported
Title Description: Imported 12/2011 - PERMIT1
Due Date: Not reported
Comments: Not reported
Unit Names: CONTAIN1, CONTAIN2
Event Description: New Operating Permit - FINAL PERMIT
Actual Date: 08/22/1994

EPA ID: CAD981685886
Facility Type: Historical - Non-Operating
Facility Name: PHILIP WEST INDUSTRIAL SERVICES
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Status: CLOSED
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1994-08-22 00:00:00
Type: Not reported
Title Description: Imported 12/2011 - PERMIT1
Due Date: Not reported
Comments: Not reported
Unit Names: CONTAIN1, CONTAIN2
Event Description: New Operating Permit - CALL-IN LETTER ISSUED
Actual Date: 08/11/1994

EPA ID: CAD981685886
Facility Type: Historical - Non-Operating
Facility Name: PHILIP WEST INDUSTRIAL SERVICES
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Status: CLOSED
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1994-08-22 00:00:00

PHILIP WEST INDUSTRIAL SERVICES (Continued) **S103642990**

Type: Not reported
Title Description: Imported 12/2011 - PERMIT1
Due Date: 09/14/1994
Comments: Not reported
Unit Names: CONTAIN1, CONTAIN2
Event Description: New Operating Permit - INITIAL ADMINISTRATIVE REVIEW COMPLETED
Actual Date: 09/14/1994

EPA ID: CAD981685886
Facility Type: Historical - Non-Operating
Facility Name: PHILIP WEST INDUSTRIAL SERVICES
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Status: CLOSED
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1994-08-22 00:00:00
Type: Not reported
Title Description: Imported 12/2011 - PERMIT1
Due Date: Not reported
Comments: Not reported
Unit Names: CONTAIN1, CONTAIN2
Event Description: New Operating Permit - PUBLIC COMMENT (BEGIN)
Actual Date: 08/22/1994

EPA ID: CAD981685886
Facility Type: Historical - Non-Operating
Facility Name: PHILIP WEST INDUSTRIAL SERVICES
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Status: CLOSED
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1994-08-22 00:00:00
Type: Not reported
Title Description: Imported 12/2011 - PERMIT1
Due Date: Not reported
Comments: Not reported
Unit Names: CONTAIN1, CONTAIN2
Event Description: New Operating Permit - TECHNICAL COMPLETE LETTER
Actual Date: 08/15/1994

EPA ID: CAD981685886
Facility Type: Historical - Non-Operating
Facility Name: PHILIP WEST INDUSTRIAL SERVICES
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Status: CLOSED
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1994-08-22 00:00:00

PHILIP WEST INDUSTRIAL SERVICES (Continued) **S103642990**

Type: Not reported
Title Description: Imported 12/2011 - PERMIT1
Due Date: Not reported
Comments: Not reported
Unit Names: CONTAIN1, CONTAIN2
Event Description: New Operating Permit - PUBLIC COMMENT (END)
Actual Date: 08/22/1994

EPA ID: CAD981685886
Facility Type: Historical - Non-Operating
Facility Name: PHILIP WEST INDUSTRIAL SERVICES
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Status: CLOSED
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1994-08-22 00:00:00
Type: Not reported
Title Description: Imported 12/2011 - PERMIT1
Due Date: Not reported
Comments: Not reported
Unit Names: CONTAIN1, CONTAIN2
Event Description: New Operating Permit - FINAL PERMIT (EXPIRES)
Actual Date: 08/29/1994

EPA ID: CAD981685886
Facility Type: Historical - Non-Operating
Facility Name: PHILIP WEST INDUSTRIAL SERVICES
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Status: CLOSED
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1994-08-22 00:00:00
Type: Not reported
Title Description: Imported 12/2011 - PERMIT1
Due Date: Not reported
Comments: Not reported
Unit Names: CONTAIN1, CONTAIN2
Event Description: New Operating Permit - APPLICATION PART B RECEIVED
Actual Date: 08/15/1994

Alias:
EPA ID: CAD981685886
Facility Type: Historical - Non-Operating
Facility Name: PHILIP WEST INDUSTRIAL SERVICES
Facility Status: CLOSED
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Alias Type: FRS
Alias: 110000621364

PHILIP WEST INDUSTRIAL SERVICES (Continued) **S103642990**

CERS:
- Name: PHILIP WEST INDUSTRIAL SERVICES
- Address: 2222 E SEPULVEDA
- City,State,Zip: CARSON, CA 908100000
- Site ID: 242985
- CERS ID: CAD981685886
- CERS Description: Hazardous Waste

Evaluation:
- Eval General Type: Compliance Evaluation Inspection
- Eval Date: 02-27-2007
- Violations Found: No
- Eval Type: DTSC Compliance Evaluation Inspection
- Eval Notes: Compliance Evaluation Inspection - Treatment, Storage and Disposal
- Eval Division: Department of Toxic Substances Control
- Eval Program: DTSC_ENF
- Eval Source: ENVSTORHAZ

Affiliation:
- Affiliation Type Desc: Facility Contact
- Entity Name: CRAIG ERICKSON
- Entity Title: Not reported
- Affiliation Address: 395 W CHANNEL ROAD
- Affiliation City: BENICIA
- Affiliation State: CA
- Affiliation Country: Not reported
- Affiliation Zip: 945101941
- Affiliation Phone: 7077468287

- Affiliation Type Desc: Facility Owner
- Entity Name: PHILIP WEST INDUSTRIAL SRVC
- Entity Title: Not reported
- Affiliation Address: 395 W CHANNEL RD
- Affiliation City: BENICIA
- Affiliation State: CA
- Affiliation Country: Not reported
- Affiliation Zip: 945100000
- Affiliation Phone: 0000000000

HWTS:
- Name: PHILIP WEST INDUSTRIAL SERVICES
- Address: 2222 E SEPULVEDA
- Address 2: Not reported
- City,State,Zip: CARSON, CA 908100000
- EPA ID: CAD981685886
- Inactive Date: 06/30/2004
- Create Date: 04/10/1987
- Last Act Date: 03/24/2014
- Mailing Name: Not reported
- Mailing Address: 2222 E SEPULVEDA BLVD
- Mailing Address 2: Not reported
- Mailing City,State,Zip: CARSON, CA 908101941
- Owner Name: PHILIP WEST INDUSTRIAL SRVC
- Owner Address: 395 W CHANNEL RD
- Owner Address 2: Not reported

PHILIP WEST INDUSTRIAL SERVICES (Continued) **S103642990**

Owner City,State,Zip: BENICIA, CA 945100000
Contact Name: CRAIG ERICKSON
Contact Address: 395 W CHANNEL ROAD
Contact Address 2: Not reported
City,State,Zip: BENICIA, CA 945101941

NAICS:
EPA ID: CAD981685886
Create Date: 2003-10-23 15:27:19.000
NAICS Code: 23599
NAICS Description: All Other Special Trade Contractors
Issued EPA ID Date: 1987-04-10 00:00:00
Inactive Date: 2004-06-30 00:00:00
Facility Name: PHILIP WEST INDUSTRIAL SERVICES
Facility Address: 2222 E SEPULVEDA
Facility Address 2: Not reported
Facility City: CARSON
Facility County: Not reported
Facility State: CA
Facility Zip: 908100000

EPA ID: CAD981685886
Create Date: 2002-03-14 16:36:26.000
NAICS Code: 3339
NAICS Description: Other General Purpose Machinery Manufacturing
Issued EPA ID Date: 1987-04-10 00:00:00
Inactive Date: 2004-06-30 00:00:00
Facility Name: PHILIP WEST INDUSTRIAL SERVICES
Facility Address: 2222 E SEPULVEDA
Facility Address 2: Not reported
Facility City: CARSON
Facility County: Not reported
Facility State: CA
Facility Zip: 908100000

H46 **TESORO CARSON REFINERY** **SEMS-ARCHIVE** **1015732785**
WSW **1801 SEPULVEDA BLVD** **CORRACTS** **CAD077227049**
1/2-1 **CARSON, CA 90749** **RCRA-TSDF**
0.507 mi. **RCRA-LQG**
2679 ft. **Site 1 of 4 in cluster H** **US FIN ASSUR**
2020 COR ACTION

Relative:
Higher

Actual:
32 ft.

SEMS Archive:
Site ID: 0901601
EPA ID: CAD077227049
Name: ARCO PETROL PROD CO WATSON REF
Address: 1801 E SEPULVEDA BLVD
Address 2: Not reported
City,State,Zip: CARSON, CA 90745
Cong District: 32
FIPS Code: 06037
FF: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:
Region: 09
Site ID: 0901601

TESORO CARSON REFINERY (Continued) **1015732785**

EPA ID: CAD077227049
Site Name: ARCO PETROL PROD CO WATSON REF
NPL: N
FF: N
OU: 00
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 1988-11-21 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 09
Site ID: 0901601
EPA ID: CAD077227049
Site Name: ARCO PETROL PROD CO WATSON REF
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: Not reported
Finish Date: 1985-05-01 05:00:00
Qual: L
Current Action Lead: EPA Perf

Region: 09
Site ID: 0901601
EPA ID: CAD077227049
Site Name: ARCO PETROL PROD CO WATSON REF
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1979-12-01 05:00:00
Finish Date: 1979-12-01 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0901601
EPA ID: CAD077227049
Site Name: ARCO PETROL PROD CO WATSON REF
NPL: N
FF: N
OU: 00
Action Code: SI
Action Name: SI
SEQ: 1
Start Date: Not reported
Finish Date: 1987-09-01 04:00:00
Qual: N
Current Action Lead: EPA Perf

TESORO CARSON REFINERY (Continued) **1015732785**

Region: 09
Site ID: 0901601
EPA ID: CAD077227049
Site Name: ARCO PETROL PROD CO WATSON REF
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 2
Start Date: Not reported
Finish Date: 1988-11-21 05:00:00
Qual: N
Current Action Lead: EPA Perf

CORRACTS:

Name: TESORO CARSON REFINERY
Address: 1801 SEPULVEDA BLVD
Address 2: Not reported
EPA ID: CAD077227049
Area Name: ENTIRE FACILITY
Corrective Action: HUMAN EXPOSURES CONTROLLED DETERMINATION-MORE INFORMATION NEEDED
Actual Date: 00:00.0
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: TESORO CARSON REFINERY
Address: 1801 SEPULVEDA BLVD
Address 2: Not reported
EPA ID: CAD077227049
Area Name: ENTIRE FACILITY
Corrective Action: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Actual Date: 00:00.0
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: TESORO CARSON REFINERY
Address: 1801 SEPULVEDA BLVD
Address 2: Not reported
EPA ID: CAD077227049
Area Name: ENTIRE FACILITY
Corrective Action: RELEASE TO GW CONTROLLED DETERMINATION-MORE INFORMATION NEEDED
Actual Date: 00:00.0
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: TESORO CARSON REFINERY
Address: 1801 SEPULVEDA BLVD
Address 2: Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

EPA ID: CAD077227049
Area Name: ENTIRE FACILITY
Corrective Action: RELEASE TO GW CONTROLLED DETERMINATION-FACILITY DOES NOT MEET DEFINITION
Actual Date: 00:00.0
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: TESORO CARSON REFINERY
Address: 1801 SEPULVEDA BLVD
Address 2: Not reported
EPA ID: CAD077227049
Area Name: ENTIRE FACILITY
Corrective Action: RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Actual Date: 00:00.0
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

RCRA-LQG:
Date Form Received by Agency: 2020-02-26 00:00:00.0
Handler Name: TESORO CARSON REFINERY
Handler Address: 1801 SEPULVEDA BLVD
Handler City,State,Zip: CARSON, CA 90749-6210
EPA ID: CAD077227049
Contact Name: KEVIN C FRANCO
Contact Address: E 223RD ST
Contact City,State,Zip: CARSON, CA 90810
Contact Telephone: 310-847-5641
Contact Fax: Not reported
Contact Email: KCFRANCO@MARATHONPETROLEUM.COM
Contact Title: HES PROFESSIONAL - WASTE SPECIALIST
EPA Region: 09
Land Type: Private
Federal Waste Generator Description: Large Quantity Generator
Non-Notifier: Not reported
Biennial Report Cycle: 2019
Accessibility: Not reported
Active Site Indicator: Handler Activities, Permitting Activities, Corrective Action Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: E 223RD ST
Mailing City,State,Zip: CARSON, CA 90810
Owner Name: TESORO REFINING & MARKETING COMPANY LLC
Owner Type: Private
Operator Name: TESORO REFINING & MARKETING COMPANY LLC
Operator Type: Private
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility Activity: No
Recycler Activity with Storage: No

TESORO CARSON REFINERY (Continued) **1015732785**

Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	Yes
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Land Disposal
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Land Disposal
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Accomplished
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Land Disposal
Post-Closure Workload Universe:	Land Disposal
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	Yes
Corrective Action Workload Universe:	Yes
Subject to Corrective Action Universe:	Yes
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	Yes
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	Yes
Groundwater Controls Indicator:	Yes
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Land Disposal
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Post-Closure Care
Handler Date of Last Change:	2020-10-06 14:47:24.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2019

Click Here for Biennial Reporting System Data:
Year: 2017

TESORO CARSON REFINERY (Continued) **1015732785**

Click Here for Biennial Reporting System Data:
Year: 2015

Click Here for Biennial Reporting System Data:
Year: 2013

Click Here for Biennial Reporting System Data:
Year: 2011

Click Here for Biennial Reporting System Data:
Year: 2009

Click Here for Biennial Reporting System Data:
Year: 2007

Click Here for Biennial Reporting System Data:
Year: 2005

Click Here for Biennial Reporting System Data:
Year: 2003

Click Here for Biennial Reporting System Data:
Year: 2001

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D000
Waste Description: Not Defined

Waste Code: D001
Waste Description: IGNITABLE WASTE

Waste Code: D002
Waste Description: CORROSIVE WASTE

Waste Code: D003
Waste Description: REACTIVE WASTE

Waste Code: D005
Waste Description: BARIUM

Waste Code: D006
Waste Description: CADMIUM

Waste Code: D007
Waste Description: CHROMIUM

Waste Code: D008
Waste Description: LEAD

Waste Code: D009
Waste Description: MERCURY

Waste Code: D010
Waste Description: SELENIUM

TESORO CARSON REFINERY (Continued) **1015732785**

Waste Code: D011
Waste Description: SILVER

Waste Code: D018
Waste Description: BENZENE

Waste Code: D019
Waste Description: CARBON TETRACHLORIDE

Waste Code: D022
Waste Description: CHLOROFORM

Waste Code: D026
Waste Description: CRESOL

Waste Code: D035
Waste Description: METHYL ETHYL KETONE

Waste Code: D039
Waste Description: TETRACHLOROETHYLENE

Waste Code: D040
Waste Description: TRICHLORETHYLENE

Waste Code: F001
Waste Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F002
Waste Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F003
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

TESORO CARSON REFINERY (Continued) **1015732785**

Waste Code: F005
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F037
Waste Description: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE, BUT ARE NOT LIMITED TO, THOSE GENERATED IN OIL/WATER/SOLIDS SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORM WATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGES GENERATED IN STORM WATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.

Waste Code: F038
Waste Description: PETROLEUM REFINERY SECONDARY (EMULSIFIED) OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE AND/OR FLOAT GENERATED FROM THE PHYSICAL AND/OR CHEMICAL SEPARATION OF OIL/WATER/SOLIDS IN PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH WASTES INCLUDE, BUT ARE NOT LIMITED TO, ALL SLUDGES AND FLOATS GENERATED IN INDUCED AIR FLOTATION (IAF) UNITS, TANKS AND IMPOUNDMENTS, AND ALL SLUDGES GENERATED IN DAF UNITS. SLUDGES GENERATED IN STORMWATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND F037, K048, AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.

Waste Code: F039
Waste Description: LEACHATE RESULTING FROM THE TREATMENT, STORAGE, OR DISPOSAL OF WASTES CLASSIFIED BY MORE THAN ONE WASTE CODE UNDER SUBPART D, OR FROM A MIXTURE OF WASTES CLASSIFIED UNDER SUBPARTS C AND D OF THIS PART. (LEACHATE RESULTING FROM THE MANAGEMENT OF ONE OR MORE OF THE FOLLOWING EPA HAZARDOUS WASTES AND NO OTHER HAZARDOUS WASTES RETAINS ITS HAZARDOUS WASTE CODE(S): F020, F021, F022, F023, F026, F027, AND/OR F028.)

Waste Code: K048
Waste Description: DISSOLVED AIR FLOTATION (DAF) FLOAT FROM THE PETROLEUM REFINING INDUSTRY.

Waste Code: K049
Waste Description: SLOP OIL EMULSION SOLIDS FROM THE PETROLEUM REFINING INDUSTRY.

Waste Code: K050
Waste Description: HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING

TESORO CARSON REFINERY (Continued) **1015732785**

INDUSTRY.

Waste Code: K051
Waste Description: API SEPARATOR SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

Waste Code: K169
Waste Description: K169

Waste Code: K170
Waste Description: K170

Waste Code: K171
Waste Description: K171

Waste Code: P030
Waste Description: CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED

Waste Code: P042
Waste Description: 1,2-BENZENEDIOL, 4-[1-HYDROXY-2-(METHYLAMINO)ETHYL]-, (R)- (OR) EPINEPHRINE

Waste Code: P081
Waste Description: 1,2,3-PROPANETRIOL, TRINITRATE (R) (OR) NITROGLYCERINE (R)

Waste Code: P110
Waste Description: PLUMBANE, TETRAETHYL- (OR) TETRAETHYL LEAD

Waste Code: U036
Waste Description: 4,7-METHANO-1H-INDENE, 1,2,4,5,6,7,8,8-OCTACHLORO-2,3,3A,4,7,7A-HEXAHYDRO- (OR) CHLORDANE, ALPHA & GAMMA ISOMERS

Waste Code: U044
Waste Description: CHLOROFORM (OR) METHANE, TRICHLORO-

Waste Code: U080
Waste Description: METHANE, DICHLORO- (OR) METHYLENE CHLORIDE

Waste Code: U117
Waste Description: ETHANE, 1,1'-OXYBIS-(I) (OR) ETHYL ETHER (I)

Waste Code: U153
Waste Description: METHANETHIOL (I,T) (OR) THIOMETHANOL (I,T)

Waste Code: U160
Waste Description: 2-BUTANONE, PEROXIDE (R,T) (OR) METHYL ETHYL KETONE PEROXIDE (R,T)

Waste Code: U162
Waste Description: 2-PROPENOIC ACID, 2-METHYL-, METHYL ESTER (I,T) (OR) METHYL METHACRYLATE (I,T)

Waste Code: U210
Waste Description: ETHENE, TETRACHLORO- (OR) TETRACHLOROETHYLENE

Waste Code: U211
Waste Description: CARBON TETRACHLORIDE (OR) METHANE, TETRACHLORO-

TESORO CARSON REFINERY (Continued) **1015732785**

Waste Code: U220
Waste Description: BENZENE, METHYL- (OR) TOLUENE

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: TESORO REFINING & MARKETING COMPANY LLC
Legal Status: Private
Date Became Current: 2013-06-01 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: 2350 E 223RD ST
Owner/Operator City,State,Zip: CARSON, CA 90810
Owner/Operator Telephone: 310-847-5641
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: KCFRANCO@MARATHONPETROLEUM.COM

Owner/Operator Indicator: Owner
Owner/Operator Name: B P W COAST PROD L L C
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 1801 E SEPULVEDA BLVD
Owner/Operator City,State,Zip: CARSON, CA 90749
Owner/Operator Telephone: 310-816-7501
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: TESORO REFINING AND MARKETING CO LLC
Legal Status: Private
Date Became Current: 2013-06-01 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: BP WEST COAST PRODUCTS LLC,
Legal Status: Private
Date Became Current: 2002-01-01 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: 1801 E. SEPULVEDA BLVD
Owner/Operator City,State,Zip: CA, CA 90745
Owner/Operator Telephone: 310-816-8180
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: BP WEST COAST PRODUCTS, LLC
Legal Status: Private
Date Became Current: 2002-01-01 00:00:00.
Date Ended Current: Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	TESORO REFINING AND MARKETING CO LLC
Legal Status:	Private
Date Became Current:	2013-04-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	TESORO REFINING AND MARKETING CO LLC
Legal Status:	Private
Date Became Current:	2013-06-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	19100 RIDGEWOOD PKWY
Owner/Operator City,State,Zip:	SAN ANTONIO, TX 78259
Owner/Operator Telephone:	210-626-6000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	BP WEST COAST PRODUCTS LLC, CARSON REFIN
Legal Status:	Private
Date Became Current:	2002-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	1801 E. SEPULVEDA BLVD
Owner/Operator City,State,Zip:	CARSON, CA 90745
Owner/Operator Telephone:	310-847-5656
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	TESORO REFINING AND MARKETING
Legal Status:	Private
Date Became Current:	2013-06-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	TESORO REFINING & MARKETING COMPANY LLC

TESORO CARSON REFINERY (Continued) **1015732785**

Legal Status:	Private
Date Became Current:	2013-06-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	2350 E 223RD ST
Owner/Operator City,State,Zip:	CARSON, CA 90810
Owner/Operator Telephone:	310-847-5641
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	KCFRANCO@MARATHONPETROLEUM.COM
Owner/Operator Indicator:	Operator
Owner/Operator Name:	BP WEST COAST PRODUCTS, LLC
Legal Status:	Private
Date Became Current:	2002-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	TESORO REFINING & MARKETING
Legal Status:	Private
Date Became Current:	2013-06-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	2350 E 223 RD STREET
Owner/Operator City,State,Zip:	CARSON, CA 90810
Owner/Operator Telephone:	310-847-5658
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	TESORO
Legal Status:	Private
Date Became Current:	2013-06-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	2350 E 223RD ST
Owner/Operator City,State,Zip:	CARSON, CA 90810
Owner/Operator Telephone:	310-847-5762
Owner/Operator Telephone Ext:	5762
Owner/Operator Fax:	Not reported
Owner/Operator Email:	ROBERT.J.RIODAN@ANDEAVOR.COM
Owner/Operator Indicator:	Owner
Owner/Operator Name:	TESORO REFININF & MARKETING COMPANY LLC
Legal Status:	Private
Date Became Current:	2013-06-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	2350 E 223RD ST
Owner/Operator City,State,Zip:	CARSON, CA 90810
Owner/Operator Telephone:	310-847-5762
Owner/Operator Telephone Ext:	5762
Owner/Operator Fax:	Not reported
Owner/Operator Email:	ROBERT.J.RIODAN@ANDEAVOR.COM

TESORO CARSON REFINERY (Continued) **1015732785**

Owner/Operator Indicator:	Operator
Owner/Operator Name:	TESORO
Legal Status:	Private
Date Became Current:	2013-06-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	2350 E 223RD ST
Owner/Operator City,State,Zip:	CARSON, CA 90810
Owner/Operator Telephone:	310-847-5762
Owner/Operator Telephone Ext:	5762
Owner/Operator Fax:	Not reported
Owner/Operator Email:	ROBERT.J.RIODAN@ANDEAVOR.COM

Owner/Operator Indicator:	Owner
Owner/Operator Name:	BP WEST COAST PRODUCTS, LLC
Legal Status:	Private
Date Became Current:	2002-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	1801 E SEPULVEDA BLVD
Owner/Operator City,State,Zip:	CARSON, CA 90745
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	TESORO REFININF & MARKETING COMPANY LLC
Legal Status:	Private
Date Became Current:	2013-06-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	2350 E 223RD ST
Owner/Operator City,State,Zip:	CARSON, CA 90810
Owner/Operator Telephone:	310-847-5762
Owner/Operator Telephone Ext:	5762
Owner/Operator Fax:	Not reported
Owner/Operator Email:	ROBERT.J.RIODAN@ANDEAVOR.COM

Owner/Operator Indicator:	Owner
Owner/Operator Name:	TESORO REFINING AND MARKETING CO LLC
Legal Status:	Private
Date Became Current:	2013-04-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	2350 E 223RD ST
Owner/Operator City,State,Zip:	CARSON, CA 90810
Owner/Operator Telephone:	310-847-3646
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	TESORO REFINING AND MARKETING CO LLC
Legal Status:	Private
Date Became Current:	2013-06-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	19100 RIDGEWOOD PKWY
Owner/Operator City,State,Zip:	SAN ANTONIO, TX 78259
Owner/Operator Telephone:	210-626-6000
Owner/Operator Telephone Ext:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	BP WEST COAST PRODUCTS, LLC
Legal Status:	Private
Date Became Current:	2002-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	1801 E. SEPULVEDA BLVD
Owner/Operator City,State,Zip:	CARSON, CA 90745
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	TESORO REFINING & MARKETING COMPANY LLC
Legal Status:	Private
Date Became Current:	2013-06-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	2350 E 223RD STREET
Owner/Operator City,State,Zip:	CARSON, CA 90810
Owner/Operator Telephone:	310-847-5658
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	BP WEST COAST PRODUCTS
Legal Status:	Private
Date Became Current:	2002-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	BP WEST COAST PRODUCTS
Legal Status:	Private
Date Became Current:	2002-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	BP WEST COAST PRODUCTS LLC, CARSON REFIN
Legal Status:	Private
Date Became Current:	2002-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	1801 E. SEPULVEDA BLVD

TESORO CARSON REFINERY (Continued) **1015732785**

Owner/Operator City,State,Zip:	CARSON, CA 90745
Owner/Operator Telephone:	310-847-5656
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	TESORO REFINING AND MARKETING CO LLC
Legal Status:	Private
Date Became Current:	2013-06-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	BP WEST COAST PRODUCTS
Legal Status:	Private
Date Became Current:	2002-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	TESORO REFINING & MARKETING COMPANY LLC
Legal Status:	Private
Date Became Current:	2013-06-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	ARCO PRODUCTS CO
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1801 E SEPULVEDA BLVD
Owner/Operator City,State,Zip:	CARSON, CA 90749
Owner/Operator Telephone:	213-816-8100
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	BP WEST COAST PRODUCTS, LLC
Legal Status:	Private

TESORO CARSON REFINERY (Continued) **1015732785**

Date Became Current: 2002-01-01 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: 1801 E. SEPULVEDA BLVD.
Owner/Operator City,State,Zip: CARSON, CA 90745
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: BP WEST COAST PRODUCTS, LLC
Legal Status: Private
Date Became Current: 2002-01-01 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 2010-06-10 00:00:00.0
Handler Name: BP WEST COAST PRODUCTS LL., CARSON REFINERY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2012-03-05 00:00:00.0
Handler Name: BP WEST COAST PRODUCTS, LLC, CARSON REFINERY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2014-03-01 00:00:00.0
Handler Name: TESORO LOS ANGELES REFINERY - CARSON OPERATIONS
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No

TESORO CARSON REFINERY (Continued) **1015732785**

Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported
Receive Date:	2016-02-18 00:00:00.0
Handler Name:	TESORO LOS ANGELES REFINERY - CARSON OPPERATIONS
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	Yes
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported
Receive Date:	2018-02-27 00:00:00.0
Handler Name:	TESORO CARSON REFINERY
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	Yes
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No
Receive Date:	2020-02-26 00:00:00.0
Handler Name:	TESORO CARSON REFINERY
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	Yes
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No
Receive Date:	1996-09-01 00:00:00.0
Handler Name:	B P WEST COAST PRODUCTS L L C
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported
Receive Date:	1980-08-15 00:00:00.0

TESORO CARSON REFINERY (Continued) **1015732785**

Handler Name: B P WEST COAST PRODUCTS L L C
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1980-08-15 00:00:00.0
Handler Name: B P WEST COAST PRODUCTS L L C
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2001-12-06 00:00:00.0
Handler Name: B P WEST COAST PRODUCTS L L C
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2013-01-08 00:00:00.0
Handler Name: TESORO REFINING AND MARKETING CO LLC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2013-06-05 00:00:00.0
Handler Name: CARSON REFINERY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No

TESORO CARSON REFINERY (Continued) **1015732785**

Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2013-07-24 00:00:00.0
Handler Name: TESORO LOS ANGELES REFINERY CARSON OPERATIONS
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2019-09-06 00:00:00.0
Handler Name: TESORO CARSON REFINERY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 1990-05-01 00:00:00.0
Handler Name: ARCO PETROLEUM PRODUCTS CO
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1992-03-31 00:00:00.0
Handler Name: ARCO PRODUCTS COMPANY LOS ANGELES REFINE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Electronic Manifest Broker: Not reported

Receive Date: 1994-03-29 00:00:00.0
Handler Name: ARCO PRODUCTS COMPANY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1996-03-26 00:00:00.0
Handler Name: ARCO PRODUCTS COMPANY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1999-03-04 00:00:00.0
Handler Name: ARCO PRODUCTS COMPANY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2000-10-12 00:00:00.0
Handler Name: ARCO LOS ANGELES REFINERY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2002-02-15 00:00:00.0
Handler Name: BP WEST COAST PRODUCTS LLC CARSON REFINE
Federal Waste Generator Description: Large Quantity Generator

TESORO CARSON REFINERY (Continued) **1015732785**

State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2004-02-25 00:00:00.0
Handler Name: BP WEST COAST PRODUCTS-CARSON REFINERY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2006-02-27 00:00:00.0
Handler Name: BP WEST COAST PRODUCTS - CARSON REFINERY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2008-02-27 00:00:00.0
Handler Name: BP WEST COAST PRODUCTS LLC, BP CARSON REFINERY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 32411
NAICS Description: PETROLEUM REFINERIES

NAICS Code: 324110
NAICS Description: PETROLEUM REFINERIES

TESORO CARSON REFINERY (Continued) **1015732785**

Facility Has Received Notices of Violation:

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	2003-11-13 00:00:00.0
Actual Return to Compliance Date:	2004-02-23 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	200
Date of Enforcement Action:	2003-11-13 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Transporters - General
Date Violation was Determined:	1988-05-04 00:00:00.0
Actual Return to Compliance Date:	1991-06-21 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1988-07-08 00:00:00.0
Enforcement Identifier:	004
Date of Enforcement Action:	1988-06-06 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 2008-07-01 00:00:00.0
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	1991-03-27 00:00:00.0
Actual Return to Compliance Date:	1993-12-20 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	005
Date of Enforcement Action:	1991-05-10 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	2002-02-20 00:00:00.0
Actual Return to Compliance Date:	2002-03-06 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	503
Date of Enforcement Action:	2002-04-24 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	2017-09-06 00:00:00.0
Actual Return to Compliance Date:	2017-09-21 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	518
Date of Enforcement Action:	2017-11-03 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	1986-03-14 00:00:00.0
Actual Return to Compliance Date:	1986-08-05 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	002
Date of Enforcement Action:	1986-08-05 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	2017-09-06 00:00:00.0
Actual Return to Compliance Date:	2017-09-21 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	518
Date of Enforcement Action:	2017-11-03 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Closure/Post-Closure
Date Violation was Determined:	1991-03-27 00:00:00.0
Actual Return to Compliance Date:	1993-12-20 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	005
Date of Enforcement Action:	1991-05-10 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - Manifest
Date Violation was Determined: 2006-05-11 00:00:00.0
Actual Return to Compliance Date: 2006-05-12 00:00:00.0
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 200
Date of Enforcement Action: 2006-07-19 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	Generators - General
Date Violation was Determined:	1985-09-25 00:00:00.0
Actual Return to Compliance Date:	1985-12-27 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Transporters - General
Date Violation was Determined:	1991-03-27 00:00:00.0
Actual Return to Compliance Date:	1993-12-20 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	005
Date of Enforcement Action:	1991-05-10 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	2002-02-20 00:00:00.0
Actual Return to Compliance Date:	2002-03-06 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	200
Date of Enforcement Action:	2002-02-22 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	1988-05-04 00:00:00.0
Actual Return to Compliance Date:	1991-06-21 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1988-07-08 00:00:00.0
Enforcement Identifier:	004
Date of Enforcement Action:	1988-06-06 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	2006-06-05 00:00:00.0
Actual Return to Compliance Date:	2007-03-07 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	509
Date of Enforcement Action:	2006-06-06 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	2016-06-23 00:00:00.0
Actual Return to Compliance Date:	2016-08-08 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	2019-06-06 00:00:00.0
Actual Return to Compliance Date:	2019-07-03 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	1985-08-07 00:00:00.0
Actual Return to Compliance Date:	1985-09-13 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1985-09-07 00:00:00.0
Enforcement Identifier:	001
Date of Enforcement Action:	1985-08-07 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 2003-11-13 00:00:00.0
Actual Return to Compliance Date: 2004-02-23 00:00:00.0
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 200
Date of Enforcement Action: 2003-11-13 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	2003-03-04 00:00:00.0
Actual Return to Compliance Date:	2004-02-23 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	505
Date of Enforcement Action:	2003-03-04 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - Pre-transport
Date Violation was Determined: 2019-06-06 00:00:00.0
Actual Return to Compliance Date: 2019-07-03 00:00:00.0
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	2016-06-23 00:00:00.0
Actual Return to Compliance Date:	2016-08-08 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Closure/Post-Closure
Date Violation was Determined:	1988-05-04 00:00:00.0
Actual Return to Compliance Date:	1991-06-21 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1988-07-08 00:00:00.0
Enforcement Identifier:	004
Date of Enforcement Action:	1988-06-06 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	2003-11-13 00:00:00.0
Actual Return to Compliance Date:	2004-02-23 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	506
Date of Enforcement Action:	2003-11-13 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 2003-11-13 00:00:00.0
Actual Return to Compliance Date: 2004-02-23 00:00:00.0
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 506
Date of Enforcement Action: 2003-11-13 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	2006-06-05 00:00:00.0
Actual Return to Compliance Date:	2007-03-07 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	200
Date of Enforcement Action:	2006-06-06 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	1991-03-27 00:00:00.0
Actual Return to Compliance Date:	1993-12-20 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	006
Date of Enforcement Action:	1991-09-10 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	137500
Final Monetary Amount:	62000
Paid Amount:	62000
Final Count:	1
Final Amount:	62000

TESORO CARSON REFINERY (Continued) **1015732785**

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	2008-07-01 00:00:00.0
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	1984-04-18 00:00:00.0
Actual Return to Compliance Date:	1991-06-21 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	2009-06-29 00:00:00.0
Actual Return to Compliance Date:	2009-12-22 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	511
Date of Enforcement Action:	2009-07-20 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 2003-03-04 00:00:00.0
Actual Return to Compliance Date: 2004-02-23 00:00:00.0
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 200
Date of Enforcement Action: 2003-03-04 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Transporters - General
Date Violation was Determined: 1987-08-11 00:00:00.0
Actual Return to Compliance Date: 1987-09-02 00:00:00.0
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 1987-09-01 00:00:00.0
Enforcement Identifier: 003
Date of Enforcement Action: 1987-08-20 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	2010-04-26 00:00:00.0
Actual Return to Compliance Date:	2010-09-07 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	512
Date of Enforcement Action:	2010-05-03 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	2010-04-26 00:00:00.0
Actual Return to Compliance Date:	2010-09-07 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	300
Date of Enforcement Action:	2010-05-03 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	1987-08-11 00:00:00.0
Actual Return to Compliance Date:	1987-09-02 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1987-09-01 00:00:00.0
Enforcement Identifier:	003
Date of Enforcement Action:	1987-08-20 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Manifest
Date Violation was Determined:	2006-05-11 00:00:00.0
Actual Return to Compliance Date:	2006-05-12 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	508
Date of Enforcement Action:	2006-05-30 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	2009-06-29 00:00:00.0
Actual Return to Compliance Date:	2009-12-22 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	200
Date of Enforcement Action:	2009-07-20 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	2017-09-06 00:00:00.0
Actual Return to Compliance Date:	2017-09-21 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	306
Date of Enforcement Action:	2017-09-08 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - General
Date Violation was Determined: 1986-01-29 00:00:00.0
Actual Return to Compliance Date: 1986-03-14 00:00:00.0
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	1988-05-04 00:00:00.0
Actual Return to Compliance Date:	1991-06-21 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1988-07-08 00:00:00.0
Enforcement Identifier:	004
Date of Enforcement Action:	1988-06-06 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Transporters - General
Date Violation was Determined:	1991-03-27 00:00:00.0
Actual Return to Compliance Date:	1993-12-20 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	006
Date of Enforcement Action:	1991-09-10 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	137500
Final Monetary Amount:	62000
Paid Amount:	62000
Final Count:	1
Final Amount:	62000

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Closure/Post-Closure
Date Violation was Determined:	1991-03-27 00:00:00.0
Actual Return to Compliance Date:	1993-12-20 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	006
Date of Enforcement Action:	1991-09-10 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	137500
Final Monetary Amount:	62000
Paid Amount:	62000
Final Count:	1
Final Amount:	62000

TESORO CARSON REFINERY (Continued) **1015732785**

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	2017-09-06 00:00:00.0
Actual Return to Compliance Date:	2017-09-21 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	306
Date of Enforcement Action:	2017-09-08 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	2017-11-07 00:00:00.0
Actual Return to Compliance Date:	2017-11-07 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	2017-11-07 00:00:00.0
Enforcement Identifier:	601
Date of Enforcement Action:	2017-11-07 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	IU-11/18-500
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	900
Paid Amount:	Not reported
Final Count:	1
Final Amount:	900

TESORO CARSON REFINERY (Continued) **1015732785**

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Evaluation Action Summary:

Evaluation Date:	2015-10-21 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2003-11-13 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2004-02-23 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2002-10-22 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1988-05-04 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1991-06-21 00:00:00.0
Scheduled Compliance Date:	1988-07-08 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2009-05-26 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2009-05-26 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 1985-12-27 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 1991-03-27 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 1993-12-20 00:00:00.0
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 2002-02-20 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 2002-03-06 00:00:00.0
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 2017-09-06 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 2017-09-21 00:00:00.0
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 2012-05-03 00:00:00.0
Evaluation Responsible Agency: State

TESORO CARSON REFINERY (Continued) **1015732785**

Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1995-03-23 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1995-01-23 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	GROUNDWATER MONITORING EVALUATION
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1986-03-14 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1986-08-05 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1986-07-17 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	GROUNDWATER MONITORING EVALUATION
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2017-09-06 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2017-09-21 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1991-03-27 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1993-12-20 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2006-05-11 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2006-05-12 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1985-09-25 00:00:00.0
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1985-12-27 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Evaluation Date:	1991-03-27 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1993-12-20 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2002-02-20 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2002-03-06 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1988-05-04 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1991-06-21 00:00:00.0
Scheduled Compliance Date:	1988-07-08 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1987-09-30 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2006-06-05 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2007-03-07 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2016-06-23 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2016-08-08 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2019-06-06 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2019-07-03 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1999-05-11 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2017-11-15 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 1985-08-07 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 1985-09-13 00:00:00.0
Scheduled Compliance Date: 1985-09-07 00:00:00.0
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 2003-11-13 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 2004-02-23 00:00:00.0
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 2003-03-04 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 2004-02-23 00:00:00.0
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 1985-02-11 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 2019-06-06 00:00:00.0
Evaluation Responsible Agency: State

TESORO CARSON REFINERY (Continued) **1015732785**

Found Violation:	Yes
Evaluation Type Description:	NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2019-07-03 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2016-06-23 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2016-08-08 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1988-05-04 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1991-06-21 00:00:00.0
Scheduled Compliance Date:	1988-07-08 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2014-10-21 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2000-02-23 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2003-11-13 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2004-02-23 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2003-11-13 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2004-02-23 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1993-01-12 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2006-06-05 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2007-03-07 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Evaluation Date:	1991-03-27 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1993-12-20 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2008-07-01 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2015-02-04 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1984-04-18 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1991-06-21 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2009-06-29 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2009-12-22 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1986-07-23 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2003-03-04 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2004-02-23 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2009-04-14 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2001-01-24 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 1987-08-11 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 1987-09-02 00:00:00.0
Scheduled Compliance Date: 1987-09-01 00:00:00.0
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 2010-04-26 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 2010-09-07 00:00:00.0
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 2010-04-26 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 2010-09-07 00:00:00.0
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 1987-08-11 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 1987-09-02 00:00:00.0
Scheduled Compliance Date: 1987-09-01 00:00:00.0
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 2006-05-11 00:00:00.0
Evaluation Responsible Agency: State

TESORO CARSON REFINERY (Continued) **1015732785**

Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2006-05-12 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2011-10-19 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1985-06-04 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2009-06-29 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2009-12-22 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2017-09-06 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2017-09-21 00:00:00.0

TESORO CARSON REFINERY (Continued) **1015732785**

Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1986-01-29 00:00:00.0
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1986-03-14 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1988-05-04 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1991-06-21 00:00:00.0
Scheduled Compliance Date:	1988-07-08 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1991-03-27 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1993-12-20 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1991-03-27 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1993-12-20 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Evaluation Date:	1986-08-05 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1986-10-10 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2004-04-02 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1987-08-11 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	NON-FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2017-09-06 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2017-09-21 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2017-11-07 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2017-11-07 00:00:00.0
Scheduled Compliance Date:	2017-11-07 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1988-05-25 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

RCRA-LQG:

Date Form Received by Agency:	2020-02-26 00:00:00.0
Handler Name:	TESORO CARSON REFINERY
Handler Address:	1801 SEPULVEDA BLVD
Handler City,State,Zip:	CARSON, CA 90749-6210
EPA ID:	CAD077227049
Contact Name:	KEVIN C FRANCO
Contact Address:	E 223RD ST
Contact City,State,Zip:	CARSON, CA 90810
Contact Telephone:	310-847-5641
Contact Fax:	Not reported
Contact Email:	KCFRANCO@MARATHONPETROLEUM.COM
Contact Title:	HES PROFESSIONAL - WASTE SPECIALIST
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	2019
Accessibility:	Not reported
Active Site Indicator:	Handler Activities, Permitting Activities, Corrective Action Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	E 223RD ST
Mailing City,State,Zip:	CARSON, CA 90810
Owner Name:	TESORO REFINING & MARKETING COMPANY LLC
Owner Type:	Private
Operator Name:	TESORO REFINING & MARKETING COMPANY LLC
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	Yes
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Land Disposal
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Land Disposal
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Accomplished
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Land Disposal
Post-Closure Workload Universe:	Land Disposal

TESORO CARSON REFINERY (Continued) **1015732785**

Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	Yes
Corrective Action Workload Universe:	Yes
Subject to Corrective Action Universe:	Yes
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	Yes
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	Yes
Groundwater Controls Indicator:	Yes
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Land Disposal
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Post-Closure Care
Handler Date of Last Change:	2020-10-06 14:47:24.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2019

Click Here for Biennial Reporting System Data:
Year: 2017

Click Here for Biennial Reporting System Data:
Year: 2015

Click Here for Biennial Reporting System Data:
Year: 2013

Click Here for Biennial Reporting System Data:
Year: 2011

Click Here for Biennial Reporting System Data:
Year: 2009

Click Here for Biennial Reporting System Data:
Year: 2007

Click Here for Biennial Reporting System Data:
Year: 2005

Click Here for Biennial Reporting System Data:
Year: 2003

Click Here for Biennial Reporting System Data:
Year: 2001

TESORO CARSON REFINERY (Continued) **1015732785**

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:

Waste Code:	D000
Waste Description:	Not Defined
Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D002
Waste Description:	CORROSIVE WASTE
Waste Code:	D003
Waste Description:	REACTIVE WASTE
Waste Code:	D005
Waste Description:	BARIUM
Waste Code:	D006
Waste Description:	CADMIUM
Waste Code:	D007
Waste Description:	CHROMIUM
Waste Code:	D008
Waste Description:	LEAD
Waste Code:	D009
Waste Description:	MERCURY
Waste Code:	D010
Waste Description:	SELENIUM
Waste Code:	D011
Waste Description:	SILVER
Waste Code:	D018
Waste Description:	BENZENE
Waste Code:	D019
Waste Description:	CARBON TETRACHLORIDE
Waste Code:	D022
Waste Description:	CHLOROFORM
Waste Code:	D026
Waste Description:	CRESOL
Waste Code:	D035
Waste Description:	METHYL ETHYL KETONE
Waste Code:	D039
Waste Description:	TETRACHLOROETHYLENE
Waste Code:	D040
Waste Description:	TRICHLORETHYLENE

TESORO CARSON REFINERY (Continued) **1015732785**

Waste Code: F001
Waste Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F002
Waste Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F003
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F005
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F037
Waste Description: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE, BUT ARE NOT LIMITED TO, THOSE GENERATED IN OIL/WATER/SOLIDS SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORM WATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGES GENERATED IN STORM WATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.

TESORO CARSON REFINERY (Continued) **1015732785**

Waste Code:	F038
Waste Description:	PETROLEUM REFINERY SECONDARY (EMULSIFIED) OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE AND/OR FLOAT GENERATED FROM THE PHYSICAL AND/OR CHEMICAL SEPARATION OF OIL/WATER/SOLIDS IN PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH WASTES INCLUDE, BUT ARE NOT LIMITED TO, ALL SLUDGES AND FLOATS GENERATED IN INDUCED AIR FLOTATION (IAF) UNITS, TANKS AND IMPOUNDMENTS, AND ALL SLUDGES GENERATED IN DAF UNITS. SLUDGES GENERATED IN STORMWATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND F037, K048, AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.
Waste Code:	F039
Waste Description:	LEACHATE RESULTING FROM THE TREATMENT, STORAGE, OR DISPOSAL OF WASTES CLASSIFIED BY MORE THAN ONE WASTE CODE UNDER SUBPART D, OR FROM A MIXTURE OF WASTES CLASSIFIED UNDER SUBPARTS C AND D OF THIS PART. (LEACHATE RESULTING FROM THE MANAGEMENT OF ONE OR MORE OF THE FOLLOWING EPA HAZARDOUS WASTES AND NO OTHER HAZARDOUS WASTES RETAINS ITS HAZARDOUS WASTE CODE(S): F020, F021, F022, F023, F026, F027, AND/OR F028.)
Waste Code:	K048
Waste Description:	DISSOLVED AIR FLOTATION (DAF) FLOAT FROM THE PETROLEUM REFINING INDUSTRY.
Waste Code:	K049
Waste Description:	SLOP OIL EMULSION SOLIDS FROM THE PETROLEUM REFINING INDUSTRY.
Waste Code:	K050
Waste Description:	HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.
Waste Code:	K051
Waste Description:	API SEPARATOR SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.
Waste Code:	K169
Waste Description:	K169
Waste Code:	K170
Waste Description:	K170
Waste Code:	K171
Waste Description:	K171
Waste Code:	P030
Waste Description:	CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED
Waste Code:	P042
Waste Description:	1,2-BENZENEDIOL, 4-[1-HYDROXY-2-(METHYLAMINO)ETHYL]-, (R)- (OR) EPINEPHRINE
Waste Code:	P081
Waste Description:	1,2,3-PROPANETRIOL, TRINITRATE (R) (OR) NITROGLYCERINE (R)

TESORO CARSON REFINERY (Continued) **1015732785**

Waste Code: P110
Waste Description: PLUMBANE, TETRAETHYL- (OR) TETRAETHYL LEAD

Waste Code: U036
Waste Description: 4,7-METHANO-1H-INDENE, 1,2,4,5,6,7,8,8-OCTACHLORO-2,3,3A,4,7,7A-HEXAHYDRO- (OR) CHLORDANE, ALPHA & GAMMA ISOMERS

Waste Code: U044
Waste Description: CHLOROFORM (OR) METHANE, TRICHLORO-

Waste Code: U080
Waste Description: METHANE, DICHLORO- (OR) METHYLENE CHLORIDE

Waste Code: U117
Waste Description: ETHANE, 1,1'-OXYBIS-(I) (OR) ETHYL ETHER (I)

Waste Code: U153
Waste Description: METHANETHIOL (I,T) (OR) THIOMETHANOL (I,T)

Waste Code: U160
Waste Description: 2-BUTANONE, PEROXIDE (R,T) (OR) METHYL ETHYL KETONE PEROXIDE (R,T)

Waste Code: U162
Waste Description: 2-PROPENOIC ACID, 2-METHYL-, METHYL ESTER (I,T) (OR) METHYL METHACRYLATE (I,T)

Waste Code: U210
Waste Description: ETHENE, TETRACHLORO- (OR) TETRACHLOROETHYLENE

Waste Code: U211
Waste Description: CARBON TETRACHLORIDE (OR) METHANE, TETRACHLORO-

Waste Code: U220
Waste Description: BENZENE, METHYL- (OR) TOLUENE

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: TESORO REFINING & MARKETING COMPANY LLC
Legal Status: Private
Date Became Current: 2013-06-01 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: 2350 E 223RD ST
Owner/Operator City,State,Zip: CARSON, CA 90810
Owner/Operator Telephone: 310-847-5641
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: KCFRANCO@MARATHONPETROLEUM.COM

Owner/Operator Indicator: Owner
Owner/Operator Name: B P W COAST PROD L L C
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 1801 E SEPULVEDA BLVD
Owner/Operator City,State,Zip: CARSON, CA 90749
Owner/Operator Telephone: 310-816-7501

TESORO CARSON REFINERY (Continued) **1015732785**

Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	TESORO REFINING AND MARKETING CO LLC
Legal Status:	Private
Date Became Current:	2013-06-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	BP WEST COAST PRODUCTS LLC,
Legal Status:	Private
Date Became Current:	2002-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	1801 E. SEPULVEDA BLVD
Owner/Operator City,State,Zip:	CA, CA 90745
Owner/Operator Telephone:	310-816-8180
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	BP WEST COAST PRODUCTS, LLC
Legal Status:	Private
Date Became Current:	2002-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	TESORO REFINING AND MARKETING CO LLC
Legal Status:	Private
Date Became Current:	2013-04-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	TESORO REFINING AND MARKETING CO LLC
Legal Status:	Private
Date Became Current:	2013-06-01 00:00:00.
Date Ended Current:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Owner/Operator Address:	19100 RIDGEWOOD PKWY
Owner/Operator City,State,Zip:	SAN ANTONIO, TX 78259
Owner/Operator Telephone:	210-626-6000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	BP WEST COAST PRODUCTS LLC, CARSON REFIN
Legal Status:	Private
Date Became Current:	2002-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	1801 E. SEPULVEDA BLVD
Owner/Operator City,State,Zip:	CARSON, CA 90745
Owner/Operator Telephone:	310-847-5656
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	TESORO REFINING AND MARKETING
Legal Status:	Private
Date Became Current:	2013-06-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	TESORO REFINING & MARKETING COMPANY LLC
Legal Status:	Private
Date Became Current:	2013-06-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	2350 E 223RD ST
Owner/Operator City,State,Zip:	CARSON, CA 90810
Owner/Operator Telephone:	310-847-5641
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	KCFRANCO@MARATHONPETROLEUM.COM
Owner/Operator Indicator:	Operator
Owner/Operator Name:	BP WEST COAST PRODUCTS, LLC
Legal Status:	Private
Date Became Current:	2002-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	TESORO REFINING & MARKETING

TESORO CARSON REFINERY (Continued) **1015732785**

Legal Status:	Private
Date Became Current:	2013-06-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	2350 E 223 RD STREET
Owner/Operator City,State,Zip:	CARSON, CA 90810
Owner/Operator Telephone:	310-847-5658
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	TESORO
Legal Status:	Private
Date Became Current:	2013-06-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	2350 E 223RD ST
Owner/Operator City,State,Zip:	CARSON, CA 90810
Owner/Operator Telephone:	310-847-5762
Owner/Operator Telephone Ext:	5762
Owner/Operator Fax:	Not reported
Owner/Operator Email:	ROBERT.J.RIODAN@ANDEAVOR.COM
Owner/Operator Indicator:	Owner
Owner/Operator Name:	TESORO REFININF & MARKETING COMPANY LLC
Legal Status:	Private
Date Became Current:	2013-06-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	2350 E 223RD ST
Owner/Operator City,State,Zip:	CARSON, CA 90810
Owner/Operator Telephone:	310-847-5762
Owner/Operator Telephone Ext:	5762
Owner/Operator Fax:	Not reported
Owner/Operator Email:	ROBERT.J.RIODAN@ANDEAVOR.COM
Owner/Operator Indicator:	Operator
Owner/Operator Name:	TESORO
Legal Status:	Private
Date Became Current:	2013-06-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	2350 E 223RD ST
Owner/Operator City,State,Zip:	CARSON, CA 90810
Owner/Operator Telephone:	310-847-5762
Owner/Operator Telephone Ext:	5762
Owner/Operator Fax:	Not reported
Owner/Operator Email:	ROBERT.J.RIODAN@ANDEAVOR.COM
Owner/Operator Indicator:	Owner
Owner/Operator Name:	BP WEST COAST PRODUCTS, LLC
Legal Status:	Private
Date Became Current:	2002-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	1801 E SEPULVEDA BLVD
Owner/Operator City,State,Zip:	CARSON, CA 90745
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Owner/Operator Indicator:	Owner
Owner/Operator Name:	TESORO REFININF & MARKETING COMPANY LLC
Legal Status:	Private
Date Became Current:	2013-06-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	2350 E 223RD ST
Owner/Operator City,State,Zip:	CARSON, CA 90810
Owner/Operator Telephone:	310-847-5762
Owner/Operator Telephone Ext:	5762
Owner/Operator Fax:	Not reported
Owner/Operator Email:	ROBERT.J.RIODAN@ANDEAVOR.COM

Owner/Operator Indicator:	Owner
Owner/Operator Name:	TESORO REFINING AND MARKETING CO LLC
Legal Status:	Private
Date Became Current:	2013-04-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	2350 E 223RD ST
Owner/Operator City,State,Zip:	CARSON, CA 90810
Owner/Operator Telephone:	310-847-3646
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	TESORO REFINING AND MARKETING CO LLC
Legal Status:	Private
Date Became Current:	2013-06-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	19100 RIDGEWOOD PKWY
Owner/Operator City,State,Zip:	SAN ANTONIO, TX 78259
Owner/Operator Telephone:	210-626-6000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	BP WEST COAST PRODUCTS, LLC
Legal Status:	Private
Date Became Current:	2002-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	1801 E. SEPULVEDA BLVD
Owner/Operator City,State,Zip:	CARSON, CA 90745
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	TESORO REFINING & MARKETING COMPANY LLC
Legal Status:	Private
Date Became Current:	2013-06-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	2350 E 223RD STREET
Owner/Operator City,State,Zip:	CARSON, CA 90810
Owner/Operator Telephone:	310-847-5658
Owner/Operator Telephone Ext:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	BP WEST COAST PRODUCTS
Legal Status:	Private
Date Became Current:	2002-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	BP WEST COAST PRODUCTS
Legal Status:	Private
Date Became Current:	2002-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	BP WEST COAST PRODUCTS LLC, CARSON REFIN
Legal Status:	Private
Date Became Current:	2002-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	1801 E. SEPULVEDA BLVD
Owner/Operator City,State,Zip:	CARSON, CA 90745
Owner/Operator Telephone:	310-847-5656
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	TESORO REFINING AND MARKETING CO LLC
Legal Status:	Private
Date Became Current:	2013-06-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	BP WEST COAST PRODUCTS
Legal Status:	Private
Date Became Current:	2002-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	TESORO REFINING & MARKETING COMPANY LLC
Legal Status:	Private
Date Became Current:	2013-06-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	ARCO PRODUCTS CO
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1801 E SEPULVEDA BLVD
Owner/Operator City,State,Zip:	CARSON, CA 90749
Owner/Operator Telephone:	213-816-8100
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	BP WEST COAST PRODUCTS, LLC
Legal Status:	Private
Date Became Current:	2002-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	1801 E. SEPULVEDA BLVD.
Owner/Operator City,State,Zip:	CARSON, CA 90745
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	BP WEST COAST PRODUCTS, LLC
Legal Status:	Private
Date Became Current:	2002-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2010-06-10 00:00:00.0
Handler Name:	BP WEST COAST PRODUCTS LL., CARSON REFINERY

TESORO CARSON REFINERY (Continued) **1015732785**

Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	Yes
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	2012-03-05 00:00:00.0
Handler Name:	BP WEST COAST PRODUCTS, LLC, CARSON REFINERY
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	Yes
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	2014-03-01 00:00:00.0
Handler Name:	TESORO LOS ANGELES REFINERY - CARSON OPERATIONS
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	Yes
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	2016-02-18 00:00:00.0
Handler Name:	TESORO LOS ANGELES REFINERY - CARSON OPPERATIONS
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	Yes
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	2018-02-27 00:00:00.0
Handler Name:	TESORO CARSON REFINERY
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	Yes
Recognized Trader Importer:	No
Recognized Trader Exporter:	No

TESORO CARSON REFINERY (Continued) **1015732785**

Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 2020-02-26 00:00:00.0
Handler Name: TESORO CARSON REFINERY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 1996-09-01 00:00:00.0
Handler Name: B P WEST COAST PRODUCTS L L C
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1980-08-15 00:00:00.0
Handler Name: B P WEST COAST PRODUCTS L L C
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1980-08-15 00:00:00.0
Handler Name: B P WEST COAST PRODUCTS L L C
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Receive Date: 2001-12-06 00:00:00.0
Handler Name: B P WEST COAST PRODUCTS L L C
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2013-01-08 00:00:00.0
Handler Name: TESORO REFINING AND MARKETING CO LLC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2013-06-05 00:00:00.0
Handler Name: CARSON REFINERY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2013-07-24 00:00:00.0
Handler Name: TESORO LOS ANGELES REFINERY CARSON OPERATIONS
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2019-09-06 00:00:00.0
Handler Name: TESORO CARSON REFINERY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes

TESORO CARSON REFINERY (Continued) **1015732785**

Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 1990-05-01 00:00:00.0
Handler Name: ARCO PETROLEUM PRODUCTS CO
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1992-03-31 00:00:00.0
Handler Name: ARCO PRODUCTS COMPANY LOS ANGELES REFINE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1994-03-29 00:00:00.0
Handler Name: ARCO PRODUCTS COMPANY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1996-03-26 00:00:00.0
Handler Name: ARCO PRODUCTS COMPANY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No

TESORO CARSON REFINERY (Continued) **1015732785**

Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1999-03-04 00:00:00.0
Handler Name: ARCO PRODUCTS COMPANY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2000-10-12 00:00:00.0
Handler Name: ARCO LOS ANGELES REFINERY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2002-02-15 00:00:00.0
Handler Name: BP WEST COAST PRODUCTS LLC CARSON REFINE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2004-02-25 00:00:00.0
Handler Name: BP WEST COAST PRODUCTS-CARSON REFINERY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2006-02-27 00:00:00.0
Handler Name: BP WEST COAST PRODUCTS - CARSON REFINERY

TESORO CARSON REFINERY (Continued) **1015732785**

Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	Yes
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	2008-02-27 00:00:00.0
Handler Name:	BP WEST COAST PRODUCTS LLC, BP CARSON REFINERY
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	Yes
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	32411
NAICS Description:	PETROLEUM REFINERIES

NAICS Code:	324110
NAICS Description:	PETROLEUM REFINERIES

Facility Has Received Notices of Violation:

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 2003-11-13 00:00:00.0
Actual Return to Compliance Date: 2004-02-23 00:00:00.0
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 200
Date of Enforcement Action: 2003-11-13 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Transporters - General
Date Violation was Determined:	1988-05-04 00:00:00.0
Actual Return to Compliance Date:	1991-06-21 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1988-07-08 00:00:00.0
Enforcement Identifier:	004
Date of Enforcement Action:	1988-06-06 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA

TESORO CARSON REFINERY (Continued) **1015732785**

Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	2008-07-01 00:00:00.0
Actual Return to Compliance Date:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Return to Compliance Qualifier: Not reported
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 1991-03-27 00:00:00.0
Actual Return to Compliance Date: 1993-12-20 00:00:00.0
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 005
Date of Enforcement Action: 1991-05-10 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 2002-02-20 00:00:00.0
Actual Return to Compliance Date: 2002-03-06 00:00:00.0

TESORO CARSON REFINERY (Continued) **1015732785**

Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	503
Date of Enforcement Action:	2002-04-24 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	2017-09-06 00:00:00.0
Actual Return to Compliance Date:	2017-09-21 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	518
Date of Enforcement Action:	2017-11-03 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 1986-03-14 00:00:00.0
Actual Return to Compliance Date: 1986-08-05 00:00:00.0
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 002
Date of Enforcement Action: 1986-08-05 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	2017-09-06 00:00:00.0
Actual Return to Compliance Date:	2017-09-21 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	518
Date of Enforcement Action:	2017-11-03 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Closure/Post-Closure
Date Violation was Determined: 1991-03-27 00:00:00.0
Actual Return to Compliance Date: 1993-12-20 00:00:00.0
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 005
Date of Enforcement Action: 1991-05-10 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - Manifest
Date Violation was Determined: 2006-05-11 00:00:00.0
Actual Return to Compliance Date: 2006-05-12 00:00:00.0

TESORO CARSON REFINERY (Continued) **1015732785**

Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 200
Date of Enforcement Action: 2006-07-19 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - General
Date Violation was Determined: 1985-09-25 00:00:00.0
Actual Return to Compliance Date: 1985-12-27 00:00:00.0
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Transporters - General
Date Violation was Determined:	1991-03-27 00:00:00.0
Actual Return to Compliance Date:	1993-12-20 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	005
Date of Enforcement Action:	1991-05-10 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	2002-02-20 00:00:00.0
Actual Return to Compliance Date:	2002-03-06 00:00:00.0

TESORO CARSON REFINERY (Continued) **1015732785**

Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 200
Date of Enforcement Action: 2002-02-22 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 1988-05-04 00:00:00.0
Actual Return to Compliance Date: 1991-06-21 00:00:00.0
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 1988-07-08 00:00:00.0
Enforcement Identifier: 004
Date of Enforcement Action: 1988-06-06 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA

TESORO CARSON REFINERY (Continued) **1015732785**

Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	2006-06-05 00:00:00.0
Actual Return to Compliance Date:	2007-03-07 00:00:00.0

TESORO CARSON REFINERY (Continued) **1015732785**

Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	509
Date of Enforcement Action:	2006-06-06 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	2016-06-23 00:00:00.0
Actual Return to Compliance Date:	2016-08-08 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	2019-06-06 00:00:00.0
Actual Return to Compliance Date:	2019-07-03 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 1985-08-07 00:00:00.0
Actual Return to Compliance Date: 1985-09-13 00:00:00.0
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 1985-09-07 00:00:00.0
Enforcement Identifier: 001
Date of Enforcement Action: 1985-08-07 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 2003-11-13 00:00:00.0
Actual Return to Compliance Date: 2004-02-23 00:00:00.0

TESORO CARSON REFINERY (Continued) **1015732785**

Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	200
Date of Enforcement Action:	2003-11-13 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	2003-03-04 00:00:00.0
Actual Return to Compliance Date:	2004-02-23 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	505
Date of Enforcement Action:	2003-03-04 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	2019-06-06 00:00:00.0
Actual Return to Compliance Date:	2019-07-03 00:00:00.0

TESORO CARSON REFINERY (Continued) **1015732785**

Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	2016-06-23 00:00:00.0
Actual Return to Compliance Date:	2016-08-08 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Closure/Post-Closure
Date Violation was Determined: 1988-05-04 00:00:00.0
Actual Return to Compliance Date: 1991-06-21 00:00:00.0
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 1988-07-08 00:00:00.0
Enforcement Identifier: 004
Date of Enforcement Action: 1988-06-06 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	2003-11-13 00:00:00.0
Actual Return to Compliance Date:	2004-02-23 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	506
Date of Enforcement Action:	2003-11-13 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	2003-11-13 00:00:00.0
Actual Return to Compliance Date:	2004-02-23 00:00:00.0

TESORO CARSON REFINERY (Continued) **1015732785**

Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	506
Date of Enforcement Action:	2003-11-13 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	2006-06-05 00:00:00.0
Actual Return to Compliance Date:	2007-03-07 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	200
Date of Enforcement Action:	2006-06-06 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	1991-03-27 00:00:00.0
Actual Return to Compliance Date:	1993-12-20 00:00:00.0

TESORO CARSON REFINERY (Continued) **1015732785**

Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	006
Date of Enforcement Action:	1991-09-10 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	137500
Final Monetary Amount:	62000
Paid Amount:	62000
Final Count:	1
Final Amount:	62000

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	2008-07-01 00:00:00.0
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	1984-04-18 00:00:00.0
Actual Return to Compliance Date:	1991-06-21 00:00:00.0

TESORO CARSON REFINERY (Continued) **1015732785**

Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	2009-06-29 00:00:00.0
Actual Return to Compliance Date:	2009-12-22 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	511
Date of Enforcement Action:	2009-07-20 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	2003-03-04 00:00:00.0
Actual Return to Compliance Date:	2004-02-23 00:00:00.0

TESORO CARSON REFINERY (Continued) **1015732785**

Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	200
Date of Enforcement Action:	2003-03-04 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Transporters - General
Date Violation was Determined:	1987-08-11 00:00:00.0
Actual Return to Compliance Date:	1987-09-02 00:00:00.0

TESORO CARSON REFINERY (Continued) **1015732785**

Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 1987-09-01 00:00:00.0
Enforcement Identifier: 003
Date of Enforcement Action: 1987-08-20 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 2010-04-26 00:00:00.0
Actual Return to Compliance Date: 2010-09-07 00:00:00.0
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 512
Date of Enforcement Action: 2010-05-03 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	2010-04-26 00:00:00.0
Actual Return to Compliance Date:	2010-09-07 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	300
Date of Enforcement Action:	2010-05-03 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	1987-08-11 00:00:00.0
Actual Return to Compliance Date:	1987-09-02 00:00:00.0

TESORO CARSON REFINERY (Continued) **1015732785**

Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 1987-09-01 00:00:00.0
Enforcement Identifier: 003
Date of Enforcement Action: 1987-08-20 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - Manifest
Date Violation was Determined: 2006-05-11 00:00:00.0
Actual Return to Compliance Date: 2006-05-12 00:00:00.0
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 508
Date of Enforcement Action: 2006-05-30 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	2009-06-29 00:00:00.0
Actual Return to Compliance Date:	2009-12-22 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	200
Date of Enforcement Action:	2009-07-20 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 2017-09-06 00:00:00.0
Actual Return to Compliance Date: 2017-09-21 00:00:00.0
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 306
Date of Enforcement Action: 2017-09-08 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - General
Date Violation was Determined: 1986-01-29 00:00:00.0
Actual Return to Compliance Date: 1986-03-14 00:00:00.0

TESORO CARSON REFINERY (Continued) **1015732785**

Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	1988-05-04 00:00:00.0
Actual Return to Compliance Date:	1991-06-21 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1988-07-08 00:00:00.0
Enforcement Identifier:	004
Date of Enforcement Action:	1988-06-06 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA

TESORO CARSON REFINERY (Continued) **1015732785**

Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Transporters - General
Date Violation was Determined:	1991-03-27 00:00:00.0
Actual Return to Compliance Date:	1993-12-20 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	006
Date of Enforcement Action:	1991-09-10 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	137500
Final Monetary Amount:	62000
Paid Amount:	62000
Final Count:	1
Final Amount:	62000

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Closure/Post-Closure
Date Violation was Determined:	1991-03-27 00:00:00.0
Actual Return to Compliance Date:	1993-12-20 00:00:00.0

TESORO CARSON REFINERY (Continued) **1015732785**

Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	006
Date of Enforcement Action:	1991-09-10 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	137500
Final Monetary Amount:	62000
Paid Amount:	62000
Final Count:	1
Final Amount:	62000

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	2017-09-06 00:00:00.0
Actual Return to Compliance Date:	2017-09-21 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	306
Date of Enforcement Action:	2017-09-08 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	2017-11-07 00:00:00.0
Actual Return to Compliance Date:	2017-11-07 00:00:00.0

TESORO CARSON REFINERY (Continued) **1015732785**

Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	2017-11-07 00:00:00.0
Enforcement Identifier:	601
Date of Enforcement Action:	2017-11-07 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	IU-11/18-500
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	900
Paid Amount:	Not reported
Final Count:	1
Final Amount:	900

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:
Evaluation Date: 2015-10-21 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 2003-11-13 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 2004-02-23 00:00:00.0
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 2002-10-22 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 1988-05-04 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: Yes

TESORO CARSON REFINERY (Continued) **1015732785**

Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1991-06-21 00:00:00.0
Scheduled Compliance Date:	1988-07-08 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2009-05-26 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2009-05-26 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1985-12-27 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1991-03-27 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1993-12-20 00:00:00.0
Scheduled Compliance Date:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2002-02-20 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2002-03-06 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2017-09-06 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2017-09-21 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2012-05-03 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1995-03-23 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Evaluation Date:	1995-01-23 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	GROUNDWATER MONITORING EVALUATION
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1986-03-14 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1986-08-05 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1986-07-17 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	GROUNDWATER MONITORING EVALUATION
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2017-09-06 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2017-09-21 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1991-03-27 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA

TESORO CARSON REFINERY (Continued) **1015732785**

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1993-12-20 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2006-05-11 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2006-05-12 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1985-09-25 00:00:00.0
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1985-12-27 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1991-03-27 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1993-12-20 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2002-02-20 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2002-03-06 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1988-05-04 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1991-06-21 00:00:00.0
Scheduled Compliance Date:	1988-07-08 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1987-09-30 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2006-06-05 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2007-03-07 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2016-06-23 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2016-08-08 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2019-06-06 00:00:00.0
Evaluation Responsible Agency:	State

TESORO CARSON REFINERY (Continued) **1015732785**

Found Violation:	Yes
Evaluation Type Description:	NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2019-07-03 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1999-05-11 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2017-11-15 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1985-08-07 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1985-09-13 00:00:00.0
Scheduled Compliance Date:	1985-09-07 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2003-11-13 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2004-02-23 00:00:00.0

TESORO CARSON REFINERY (Continued) **1015732785**

Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2003-03-04 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2004-02-23 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1985-02-11 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2019-06-06 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2019-07-03 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2016-06-23 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2016-08-08 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Evaluation Date:	1988-05-04 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1991-06-21 00:00:00.0
Scheduled Compliance Date:	1988-07-08 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2014-10-21 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2000-02-23 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2003-11-13 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2004-02-23 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2003-11-13 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2004-02-23 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1993-01-12 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2006-06-05 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2007-03-07 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1991-03-27 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1993-12-20 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2008-07-01 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2015-02-04 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1984-04-18 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1991-06-21 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2009-06-29 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2009-12-22 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1986-07-23 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2003-03-04 00:00:00.0
Evaluation Responsible Agency:	State

TESORO CARSON REFINERY (Continued) **1015732785**

Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2004-02-23 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2009-04-14 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2001-01-24 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1987-08-11 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1987-09-02 00:00:00.0
Scheduled Compliance Date:	1987-09-01 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2010-04-26 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2010-09-07 00:00:00.0

TESORO CARSON REFINERY (Continued) **1015732785**

Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2010-04-26 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2010-09-07 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1987-08-11 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1987-09-02 00:00:00.0
Scheduled Compliance Date:	1987-09-01 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2006-05-11 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2006-05-12 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2011-10-19 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Evaluation Date:	1985-06-04 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2009-06-29 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2009-12-22 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2017-09-06 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2017-09-21 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1986-01-29 00:00:00.0
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1986-03-14 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1988-05-04 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA

TESORO CARSON REFINERY (Continued) **1015732785**

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1991-06-21 00:00:00.0
Scheduled Compliance Date:	1988-07-08 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1991-03-27 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1993-12-20 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1991-03-27 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1993-12-20 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1986-08-05 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1986-10-10 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2004-04-02 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1987-08-11 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	NON-FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2017-09-06 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2017-09-21 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2017-11-07 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2017-11-07 00:00:00.0
Scheduled Compliance Date:	2017-11-07 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1988-05-25 00:00:00.0
Evaluation Responsible Agency:	State

TESORO CARSON REFINERY (Continued) **1015732785**

Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

US FIN ASSUR:

Name:	TESORO CARSON REFINERY
Address:	1801 SEPULVEDA BLVD
City,State,Zip:	CARSON, CA
EPA ID:	CAD077227049
County:	Not reported
Mechanism type:	I
Mechanism Type Description:	INSURANCE
Cost estimate:	8000000
Face value:	8000000
Effective date:	2011-01-01 00:00:00
Provider:	ACE AMERICAN INSURANCE COMPANY
EPA region:	9

Name:	TESORO CARSON REFINERY
Address:	1801 SEPULVEDA BLVD
City,State,Zip:	CARSON, CA
EPA ID:	CAD077227049
County:	Not reported
Mechanism type:	X
Mechanism Type Description:	STANDBY TRUST FUND
Cost estimate:	10660000
Face value:	0
Effective date:	2013-09-06 00:00:00
Provider:	FROST BANK, INC.
EPA region:	9

Name:	TESORO CARSON REFINERY
Address:	1801 SEPULVEDA BLVD
City,State,Zip:	CARSON, CA
EPA ID:	CAD077227049
County:	Not reported
Mechanism type:	L
Mechanism Type Description:	LETTER OF CREDIT
Cost estimate:	10660000
Face value:	29936000
Effective date:	2015-03-23 00:00:00
Provider:	JP MORGAN CHASE
EPA region:	9

Name:	TESORO CARSON REFINERY
Address:	1801 SEPULVEDA BLVD
City,State,Zip:	CARSON, CA
EPA ID:	CAD077227049
County:	Not reported
Mechanism type:	L
Mechanism Type Description:	LETTER OF CREDIT
Cost estimate:	24113649
Face value:	28375261
Effective date:	2011-01-31 00:00:00
Provider:	BP
EPA region:	9

2020 COR ACTION:

EPA ID:	CAD077227049
Region:	9

TESORO CARSON REFINERY (Continued) **1015732785**

Action: Not reported

H47 **BP WEST COAST PRODUCTS LLC** **ENVIROSTOR** **S115779982**
WSW **1801 E SEPULVEDA BLVD** **N/A**
1/2-1 **CARSON, CA 90745**
0.507 mi.
2679 ft. **Site 2 of 4 in cluster H**

Relative:
Higher

Actual:
32 ft.

ENVIROSTOR:

Name:	BP WEST COAST PRODUCTS LLC
Address:	1801 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 907450000
Facility ID:	80001685
Status:	Refer: RWQCB
Status Date:	01/01/2008
Site Code:	400348
Site Type:	Corrective Action
Site Type Detailed:	Corrective Action
Acres:	0
NPL:	NO
Regulatory Agencies:	RWQCB 4 - Los Angeles
Lead Agency:	RWQCB 4 - Los Angeles
Program Manager:	Not reported
Supervisor:	Rizgar Ghazi
Division Branch:	Office of Permitting
Assembly:	64
Senate:	35
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.80870
Longitude:	-118.2369
APN:	7315006003
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	ARCO PETROLEUM PRODUCTS COMPANY - WATSON
Alias Type:	Alternate Name
Alias Name:	7315006003
Alias Type:	APN
Alias Name:	CAD077227049
Alias Type:	EPA Identification Number
Alias Name:	110017428988
Alias Type:	EPA (FRS #)
Alias Name:	400348
Alias Type:	Project Code (Site Code)
Alias Name:	19290015
Alias Type:	Envirostor ID Number
Alias Name:	80001685
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Interim Measures Questionnaire
Completed Date:	10/20/1997

BP WEST COAST PRODUCTS LLC (Continued) **S115779982**

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 11/21/1988
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Agreement
Completed Date: 08/20/1990
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled
Completed Date: 10/30/1997
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 11/21/1988
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled
Completed Date: 09/09/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Human Exposure Controlled
Completed Date: 10/30/1997
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled
Completed Date: 09/29/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Human Exposure Controlled
Completed Date: 05/31/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 05/01/1985
Comments: Not reported

Completed Area Name: PROJECT WIDE

BP WEST COAST PRODUCTS LLC (Continued) **S115779982**

Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 09/01/1987
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 11/21/1988
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Workplan
Completed Date: 02/25/1985
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Remedy Construction Complete
Schedule Due Date: 06/30/2020
Schedule Revised Date: Not reported

H48 **TESORO CARSON REFINERY** **ICE S115811833**
WSW **1801 E SEPULVEDA BLVD** **HWP N/A**
1/2-1 **CARSON, CA 90749**
0.507 mi.
2679 ft. **Site 3 of 4 in cluster H**

Relative:
Higher

Actual:
32 ft.

ICE:
Envirostor ID: 3000212
Name: TESORO CARSON REFINERY
Address: 1801 E SEPULVEDA BLVD
City,State,Zip: CARSON, CA 90745
EPA ID: CAD077227049
Site Type: INSPECTION
Facility Status: No Action

Inspection:
Action Type: Compliance Evaluation Inspection - Post-Closure
Action Date: 05/11/2006
Violation Class: Minor
RTC Date: 05/12/2006

Action Type: Financial Records Review - Post-Closure
Action Date: 06/05/2006
Violation Class: Class 2
RTC Date: 03/07/2007

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 11/13/2003
Violation Class: Class 2, Minor
RTC Date: 02/23/2004

TESORO CARSON REFINERY (Continued) **S115811833**

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 04/02/2004
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Post-Closure
Action Date: 01/24/2001
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Post-Closure
Action Date: 10/22/2002
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 03/04/2003
Violation Class: Minor
RTC Date: 02/23/2004

Action Type: Compliance Evaluation Inspection - Post-Closure
Action Date: 02/23/2000
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Post-Closure
Action Date: 04/14/2009
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Post-Closure
Action Date: 06/29/2009
Violation Class: Class 2
RTC Date: 12/22/2009

Action Type: Compliance Evaluation Inspection - Post-Closure
Action Date: 02/20/2002
Violation Class: Minor
RTC Date: 03/06/2002

Action Type: Compliance Evaluation Inspection - Post-Closure
Action Date: 05/11/1999
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Post-Closure
Action Date: 04/26/2010
Violation Class: Class 2
RTC Date: 09/07/2010

Action Type: Compliance Evaluation Inspection - Post-Closure
Action Date: 10/19/2011
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Post-Closure
Action Date: 05/03/2012

TESORO CARSON REFINERY (Continued) **S115811833**

Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Post-Closure
Action Date: 10/21/2014
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Post-Closure
Action Date: 02/04/2015
Violation Class: No Violations
RTC Date: Not reported

Action Type: Focused Compliance Inspection - Treatment, Storage and Disposal
Action Date: 10/21/2015
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Post-Closure
Action Date: 11/15/2017
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Post-Closure
Action Date: 09/06/2017
Violation Class: Class 2
RTC Date: 09/21/2017

HWP:
EPA ID: CAD077227049
Name: TESORO CARSON REFINERY
Address: 1801 E SEPULVEDA BLVD
Cleanup Status: POST CLOSURE PERMIT
Latitude: 33.80870
Longitude: -118.2369
Facility Type: Post-Closure Permitted
Facility Size: Large Postclosure
Supervisor: PHILLIP BLUM
Site Code: 400348
Senate District: 35
Assembly District: 64
Public Information Officer: Not reported
Commercial Offsite Facility Types: Not reported
Quarterly Update: Quarterly Updates Quarterly Update Period: January 1, 2021 - March 31, 2021 No new Permitting activity. Quarterly Update Period: October 1, 2020 - December 31, 2020 No new Permitting activity. Quarterly Update Period: July 1, 2020 - September 30, 2020 No new Permitting activity. Quarterly Update Period: April 1, 2020 - June 30, 2020 No new Permitting activity. Quarterly Update Period: January 1, 2020-- March 30, 2020 No permitting activity. Quarterly Update Period: October 1, 2019 - December 31, 2019 No permitting activity.Quarterly Update Period: July 1, 2019 - September 30, 2019 No new permitting activity. Quarterly Update Period: April 1, 2019 - June 30, 2019 Quarterly Update Period: January 1, 2019 - March 31, 2019 No new Permitting activity. Quarterly Update Period: October 1, 2018 - December 31, 2018 No new Permitting activity. Quarterly Update Period: July 1, 2018 -

TESORO CARSON REFINERY (Continued) **S115811833**

September 30, 2018 No new permitting activity Quarterly Update Period: April 1, 2018 - June 30, 2018 No new permitting activity. Quarterly Update Period: January 1, 2018- March 30, 2018 2017 Annual Groundwater Quality Assessment Report dated March 1, 2018 was submitted to DTSC. Quarterly Update Period: October 1, 2017- December 30, 2017 No permitting activity. Quarterly Update Period: July 1, 2017- September 30, 2017 No permitting activity. Quarterly Update Period: April 1, 2017- June 30, 2017 No Permitting activity. Quarterly Update Period: January 1, 2017-March 31, 2017 No permitting activity. Quarterly Update Period: October 1, 2016 - December 31, 2016 On November 28, 2016, DTSC received the recorded Land Use Covenant that was recorded on 11/9/2016. Quarterly Update Period: July 1, 2016 - September 30, 2016 There was no permit activity during this period. Quarterly Update Period: April 1, 2016 - June 30, 2016 There was no permit activity during this period. Quarterly Update Period: January 1, 2016 - March 31, 2016 Quarterly Update Quarterly Update Period: October 1, 2015 - December 31, 2015 On December 17, 2015, DTSC submitted to Tesoro Car

Project Manager Lead: RAO AKULA
Project Manager: Not reported
Permit Type: RCRA
Permit Effective Date: 11/16/2015 (PC),
Permit Expiration Date: 11/15/2025 (PC),
Calenviroscreen Score: NA
Total Planned Hours: Not reported
Total Planned Amount: Not reported
Total Actual Hours: Not reported

Activities:

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: PC Renewal PC - With Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2015-10-15 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: 02/27/2015
Comments: Not reported
Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: PC Renewal PC - With Changes - FINAL CEQA
Actual Date: 10/15/2015

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: PC Renewal PC - With Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2015-10-15 00:00:00

TESORO CARSON REFINERY (Continued) **S115811833**

Type:	RCRA
Title Description:	Post Closure 2
Due Date:	08/29/2015
Comments:	The draft permit was sent to the attorney on 12/23/2014 for review. The draft fact sheet and public notice was provided to PPS per work request on 12/31/2014. The draft permit was resent to the attorney on 6/1/2015 and have not received comments from attorney as of 6/4/2015. The draft LUC was sent to the supervisor for review on 9/29/2014 and no comments as of 6/4/2015. Post Closure Cost Estimate was sent to the Engineering Services on 10/30/2014 and no comments has been received as of 6/4/2015.
Unit Names:	SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description:	PC Renewal PC - With Changes - DRAFT POST-CLOSURE PERMIT
Actual Date:	08/12/2015
EPA ID:	CAD077227049
Facility Type:	Post-Closure Permitted
Facility Name:	TESORO CARSON REFINERY
Project Manager:	Not reported
Project Manager Lead:	RAO AKULA
Supervisor:	PHILLIP BLUM
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	PC Renewal PC - With Changes
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	2015-10-15 00:00:00
Type:	RCRA
Title Description:	Post Closure 2
Due Date:	07/30/2014
Comments:	Received response to comments dated 6/17/2014. On 9/29/2014 a copy of draft LUC was provided to Supervisor for review. As of Dec 24, 2014 supervisor has not responded or commented on draft LUC. PC cost estimate sent to ES on 10/30/2014. Received revisions to the post closure permit application dated 12/9/2014. On Dec 18, 2014, DTSC attorney responded to 8/21/2014 letter from facility regarding Financial Assurance. Draft post closure permit and LUC were sent to attorney for review on Dec23, 2014.
Unit Names:	SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description:	PC Renewal PC - With Changes - RESPONSE TO 3RD NOD RECEIVED
Actual Date:	06/17/2014
EPA ID:	CAD077227049
Facility Type:	Post-Closure Permitted
Facility Name:	TESORO CARSON REFINERY
Project Manager:	Not reported
Project Manager Lead:	RAO AKULA
Supervisor:	PHILLIP BLUM
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	PC Renewal PC - With Changes
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	2015-10-15 00:00:00
Type:	RCRA
Title Description:	Post Closure 2
Due Date:	02/27/2015
Comments:	Not reported
Unit Names:	SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)

TESORO CARSON REFINERY (Continued) **S115811833**

Event Description: PC Renewal PC - With Changes - DRAFT CEQA
Actual Date: 07/30/2015

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: PC Renewal PC - With Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2015-10-15 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: 02/15/2014
Comments: Received Tesoro revised post closure application (formerly BP) dated September 2013, with cover letter dated 11/25/2013 on 11/26/2013.
Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: PC Renewal PC - With Changes - RESPONSE TO 2ND NOD RECEIVED
Actual Date: 11/26/2013

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: *Mod Class 1* - Prior Approval Required
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2013-08-05 00:00:00
Type: RCRA
Title Description: Change of Ownership
Due Date: Not reported
Comments: Not reported
Unit Names: Not reported
Event Description: *Mod Class 1* - Prior Approval Required - MAILING LIST
Actual Date: 05/17/2013

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1988-09-29 00:00:00
Type: RCRA
Title Description: Initial Operating Permit
Due Date: Not reported
Comments: Not reported

TESORO CARSON REFINERY (Continued) **S115811833**

Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST ACKNOWLEDGED
Actual Date: 09/29/1988

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: PC Renewal PC - With Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2015-10-15 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: Not reported
Comments: Not reported
Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: PC Renewal PC - With Changes - FINAL POST-CLOSURE PERMIT (EFFECTIVE)
Actual Date: 11/16/2015

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: PC Renewal PC - With Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2015-10-15 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: 10/30/2015
Comments: Not reported
Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: PC Renewal PC - With Changes - CEQA DETERMINATION
Actual Date: 10/15/2015

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: PC Renewal PC - With Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2015-10-15 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: 11/30/2012
Comments: The Part A is dated 9/25/2012

TESORO CARSON REFINERY (Continued) **S115811833**

Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: PC Renewal PC - With Changes - APPLICATION PART A RECEIVED
Actual Date: 10/01/2012

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: PC Renewal PC - With Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2015-10-15 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: 09/01/2015
Comments: Not reported
Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: PC Renewal PC - With Changes - PUBLIC COMMENT (BEGIN)
Actual Date: 08/12/2015

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: *Mod Class 1* - Prior Approval Required
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2013-08-05 00:00:00
Type: RCRA
Title Description: Change of Ownership
Due Date: Not reported
Comments: Not reported
Unit Names: Not reported
Event Description: *Mod Class 1* - Prior Approval Required - FINAL PERMIT MODIFICATION (EFFECTIVE)
Actual Date: 08/05/2013

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: PC Renewal PC - With Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2015-10-15 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: 02/27/2015

TESORO CARSON REFINERY (Continued) **S115811833**

Comments: Not reported
Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: PC Renewal PC - With Changes - TECHNICAL COMPLETE LETTER
Actual Date: 07/30/2015

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: *Mod Class 1* - Prior Approval Required
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2013-08-05 00:00:00
Type: RCRA
Title Description: Change of Ownership
Due Date: Not reported
Comments: Not reported
Unit Names: Not reported
Event Description: *Mod Class 1* - Prior Approval Required - CEQA DETERMINATION
Actual Date: 08/05/2013

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: PC Renewal PC - With Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2015-10-15 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: Not reported
Comments: Not reported
Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: PC Renewal PC - With Changes - PUBLIC COMMENT (END)
Actual Date: 09/30/2015

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: PC Renewal PC - With Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2015-10-15 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: Not reported

TESORO CARSON REFINERY (Continued) **S115811833**

Comments: Not reported
Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: PC Renewal PC - With Changes - PUBLIC COMMENT (PUBLIC MEETING)
Actual Date: 08/27/2015

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: *Mod Class 1* - Prior Approval Required
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2013-08-05 00:00:00
Type: RCRA
Title Description: Change of Ownership
Due Date: Not reported
Comments: Not reported
Unit Names: Not reported
Event Description: *Mod Class 1* - Prior Approval Required - PUBLIC NOTICE BY PERMITTEE
Actual Date: 05/17/2013

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: *Mod Class 1* - Prior Approval Required
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2013-08-05 00:00:00
Type: RCRA
Title Description: Change of Ownership
Due Date: Not reported
Comments: Not reported
Unit Names: Not reported
Event Description: *Mod Class 1* - Prior Approval Required - FINAL PERMIT MODIFICATION
Actual Date: 08/05/2013

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: *Mod Class 1* - Prior Approval Required
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2013-08-05 00:00:00
Type: RCRA
Title Description: Change of Ownership
Due Date: Not reported

TESORO CARSON REFINERY (Continued) **S115811833**

Comments: Not reported
Unit Names: Not reported
Event Description: *Mod Class 1* - Prior Approval Required - FINAL PERMIT MODIFICATION (EXPIRES)
Actual Date: 01/26/2014

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: PC Renewal PC - With Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2015-10-15 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: 11/30/2015
Comments: Not reported
Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: PC Renewal PC - With Changes - FINAL POST-CLOSURE PERMIT
Actual Date: 10/15/2015

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: *Mod Class 1* - Prior Approval Required
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2013-08-05 00:00:00
Type: RCRA
Title Description: Change of Ownership
Due Date: Not reported
Comments: Not reported
Unit Names: Not reported
Event Description: *Mod Class 1* - Prior Approval Required - DISCLOSURE (CLEARED)
Actual Date: 08/18/2008

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1995-09-26 00:00:00
Type: RCRA
Title Description: Application for a Operating Permit

TESORO CARSON REFINERY (Continued) **S115811833**

Due Date: Not reported
Comments: Not reported
Unit Names: SURFSTR1-East Basin (GPRA Unit)
Event Description: New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST RECEIVED
Actual Date: 09/26/1995

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1995-09-26 00:00:00
Type: RCRA
Title Description: Application for a Operating Permit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFSTR1-East Basin (GPRA Unit)
Event Description: New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST ACKNOWLEDGED
Actual Date: 09/26/1995

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1988-09-29 00:00:00
Type: RCRA
Title Description: Initial Operating Permit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: New Operating Permit - APPLICATION PART B RECEIVED
Actual Date: 05/24/1983

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: PC Renewal PC - With Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2015-10-15 00:00:00
Type: RCRA
Title Description: Post Closure 2

TESORO CARSON REFINERY (Continued) **S115811833**

Due Date: 12/30/2013
Comments: Sent the Second NOD to New Owner.
Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: PC Renewal PC - With Changes - 2ND NOTICE OF DEFICIENCY ISSUED
Actual Date: 10/17/2013

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: PC Renewal PC - With Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2015-10-15 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: 11/30/2012
Comments: The submittal date of the Application is 9/27/2012
Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: PC Renewal PC - With Changes - APPLICATION PART B RECEIVED
Actual Date: 10/01/2012

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: PC Renewal PC - With Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2015-10-15 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: 12/31/2012
Comments: Not reported
Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: PC Renewal PC - With Changes - INITIAL ADMINISTRATIVE REVIEW COMPLETED
Actual Date: 10/29/2012

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1995-09-26 00:00:00
Type: RCRA
Title Description: Application for a Operating Permit

TESORO CARSON REFINERY (Continued) **S115811833**

Due Date: Not reported
Comments: Not reported
Unit Names: SURFSTR1-East Basin (GPRA Unit)
Event Description: New Operating Permit - APPLICATION PART B RECEIVED
Actual Date: 09/23/1991

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: PC Renewal PC - With Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2015-10-15 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: 06/30/2013
Comments: Not reported
Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: PC Renewal PC - With Changes - 1ST NOTICE OF DEFICIENCY ISSUED
Actual Date: 04/04/2013

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: PC Renewal PC - With Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2015-10-15 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: 10/30/2014
Comments: Not reported
Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: PC Renewal PC - With Changes - FINAL PART A & PART B RECEIVED
Actual Date: 07/30/2015

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1988-09-29 00:00:00
Type: RCRA
Title Description: Initial Operating Permit

TESORO CARSON REFINERY (Continued) **S115811833**

Due Date: Not reported
Comments: Not reported
Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: New Operating Permit - APPLICATION PART A RECEIVED
Actual Date: 11/18/1980

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: PC Renewal PC - With Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2015-10-15 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: 06/01/2011
Comments: DTSC approved extension to submit PC Application till 9/28/2012
Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: PC Renewal PC - With Changes - CALL-IN LETTER ISSUED
Actual Date: 12/15/2011

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: PC Renewal PC - With Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2015-10-15 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: 05/30/2014
Comments: Not reported
Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: PC Renewal PC - With Changes - 3RD NOTICE OF DEFICIENCY ISSUED
Actual Date: 05/12/2014

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1988-09-29 00:00:00
Type: RCRA
Title Description: Initial Operating Permit

TESORO CARSON REFINERY (Continued) **S115811833**

Due Date: Not reported
Comments: Not reported
Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: New Operating Permit - CALL-IN LETTER ISSUED
Actual Date: 02/02/1983

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: PC Renewal PC - With Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2015-10-15 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: 08/30/2013
Comments: Received revised PC Application from BP Carson Facility. As of 6/1/2013 the facility was transfered to Tesoro Refining and Marketing LLC. Tesoro will revise the application due to new ownership.
Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: PC Renewal PC - With Changes - RESPONSE TO 1ST NOD RECEIVED
Actual Date: 05/28/2013

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1995-09-26 00:00:00
Type: RCRA
Title Description: Application for a Operating Permit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFSTR1-East Basin (GPRA Unit)
Event Description: New Operating Permit - APPLICATION PART A RECEIVED
Actual Date: 09/25/1990

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: PC Renewal PC - With Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2015-10-15 00:00:00

TESORO CARSON REFINERY (Continued) **S115811833**

Type: RCRA
Title Description: Post Closure 2
Due Date: Not reported
Comments: Not reported
Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: PC Renewal PC - With Changes - FINAL POST-CLOSURE PERMIT (EXPIRES)
Actual Date: 11/15/2025

Closure:
EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: New Post-Closure Permit
Final Date: 2003-12-23 00:00:00
Type: RCRA
Title Description: POST CLOSURE PERMIT
Due Date: Not reported
Comments: Not reported
Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: New Post-Closure Permit - PUBLIC COMMENT (END)
Actual Date: 07/04/2003

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: Closure Final
Final Date: Not reported
Type: RCRA
Title Description: Closure of SURFSTR1-EAST BASIN, WASTPILE1-WEST BASIN
Due Date: Not reported
Comments: Not reported
Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: Closure Final - PUBLIC COMMENT (END)
Actual Date: 12/12/1995

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: New Post-Closure Permit
Final Date: 2003-12-23 00:00:00
Type: RCRA
Title Description: POST CLOSURE PERMIT

TESORO CARSON REFINERY (Continued) **S115811833**

Due Date: Not reported
Comments: Not reported
Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: New Post-Closure Permit - FINAL POST-CLOSURE PERMIT (EXPIRES)
Actual Date: 01/26/2014

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: New Post-Closure Permit
Final Date: 2003-12-23 00:00:00
Type: RCRA
Title Description: POST CLOSURE PERMIT
Due Date: Not reported
Comments: Not reported
Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: New Post-Closure Permit - FINAL POST-CLOSURE PERMIT
Actual Date: 12/23/2003

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: Closure Final
Final Date: Not reported
Type: RCRA
Title Description: Closure of SURFSTR1-EAST BASIN, WASTPILE1-WEST BASIN
Due Date: Not reported
Comments: Not reported
Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: Closure Final - 1ST NOTICE OF DEFICIENCY ISSUED
Actual Date: 09/26/1995

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: Closure Final
Final Date: Not reported
Type: RCRA
Title Description: Closure of SURFSTR1-EAST BASIN, WASTPILE1-WEST BASIN
Due Date: Not reported
Comments: Not reported
Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)

TESORO CARSON REFINERY (Continued) **S115811833**

Event Description: Closure Final - PUBLIC COMMENT (BEGIN)
Actual Date: 12/12/1995

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: Closure Final
Final Date: Not reported
Type: RCRA
Title Description: Closure of SURFSTR1-EAST BASIN, WASTPILE1-WEST BASIN
Due Date: Not reported
Comments: Not reported
Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: Closure Final - CLOSURE PLAN APPROVED
Actual Date: 03/04/1996

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: New Post-Closure Permit
Final Date: 2003-12-23 00:00:00
Type: RCRA
Title Description: POST CLOSURE PERMIT
Due Date: Not reported
Comments: Not reported
Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: New Post-Closure Permit - FINAL PART A & PART B RECEIVED
Actual Date: 03/28/2002

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: New Post-Closure Permit
Final Date: 2003-12-23 00:00:00
Type: RCRA
Title Description: POST CLOSURE PERMIT
Due Date: Not reported
Comments: Not reported
Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: New Post-Closure Permit - PUBLIC COMMENT (BEGIN)
Actual Date: 05/20/2003

TESORO CARSON REFINERY (Continued) **S115811833**

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: Closure Final
Final Date: Not reported
Type: RCRA
Title Description: Closure of SURFSTR1-EAST BASIN, WASTPILE1-WEST BASIN
Due Date: Not reported
Comments: Not reported
Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: Closure Final - 2ND NOTICE OF DEFICIENCY ISSUED
Actual Date: 11/15/1995

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: New Post-Closure Permit
Final Date: 2003-12-23 00:00:00
Type: RCRA
Title Description: POST CLOSURE PERMIT
Due Date: Not reported
Comments: Not reported
Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: New Post-Closure Permit - APPLICATION PART B RECEIVED
Actual Date: 05/26/1998

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: Closure Final
Final Date: Not reported
Type: RCRA
Title Description: Closure of SURFSTR1-EAST BASIN, WASTPILE1-WEST BASIN
Due Date: Not reported
Comments: Not reported
Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: Closure Final - RESPONSE TO 1ST NOD RECEIVED
Actual Date: 11/06/1995

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY

TESORO CARSON REFINERY (Continued) **S115811833**

Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: New Post-Closure Permit
Final Date: 2003-12-23 00:00:00
Type: RCRA
Title Description: POST CLOSURE PERMIT
Due Date: Not reported
Comments: Not reported
Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: New Post-Closure Permit - FINAL POST-CLOSURE PERMIT (EFFECTIVE)
Actual Date: 01/26/2004

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: New Post-Closure Permit
Final Date: 2003-12-23 00:00:00
Type: RCRA
Title Description: POST CLOSURE PERMIT
Due Date: Not reported
Comments: Not reported
Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: New Post-Closure Permit - DRAFT POST-CLOSURE PERMIT
Actual Date: 05/20/2003

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: Closure Final
Final Date: Not reported
Type: RCRA
Title Description: Closure of SURFSTR1-EAST BASIN, WASTPILE1-WEST BASIN
Due Date: Not reported
Comments: Not reported
Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: Closure Final - RESPONSE TO 2ND NOD RECEIVED
Actual Date: 12/01/1995

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM

TESORO CARSON REFINERY (Continued) **S115811833**

Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: Closure Final
Final Date: Not reported
Type: RCRA
Title Description: Closure of SURFSTR1-EAST BASIN, WASTPILE1-WEST BASIN
Due Date: Not reported
Comments: Not reported
Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: Closure Final - ISSUE CLOSURE VERIFICATION
Actual Date: 12/04/1997

Maint:
EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Title: 2010 RCRA Groundwater Quality Assessment Report
Document Type: Monitoring Report - Groundwater
Receive Date: 05/12/2011
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Due Date: Not reported

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Title: 2011 RCRA Groundwater Quality Assessment Report East and West Retention Basins
Document Type: Monitoring Report - Groundwater
Receive Date: 05/01/2012
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Due Date: 04/21/2012

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Title: 2012 RCRA Groundwater Quality Assessment Report
Document Type: Monitoring Report - Groundwater
Receive Date: 05/15/2013
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Due Date: Not reported

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Title: RCRA Groundwater Quality Assessment Report
Document Type: Monitoring Report - Groundwater
Receive Date: 04/23/2014
Project Manager: Not reported

TESORO CARSON REFINERY (Continued) **S115811833**

Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Due Date: 11/04/2015

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Title: RCRA Groundwater Quality Assessment Report
Document Type: Monitoring Report - Groundwater
Receive Date: 04/20/2015
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Due Date: 11/04/2015

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Title: RCRA Groundwater Quality Assessment Report
Document Type: Monitoring Report - Groundwater
Receive Date: 06/20/2016
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Due Date: Not reported

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Title: RCRA Groundwater Quality Assessment Report
Document Type: Monitoring Report - Groundwater
Receive Date: 06/05/2017
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Due Date: Not reported

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Title: RCRA Groundwater Quality Assessment Report
Document Type: Monitoring Report - Groundwater
Receive Date: 02/13/2019
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Due Date: Not reported

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Title: Draft LUC for the East and West Retention Basins

TESORO CARSON REFINERY (Continued) **S115811833**

Document Type: Deed Restriction / LUC Monitoring Report
Receive Date: 11/09/2016
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Due Date: 03/02/2018

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Title: 2018 Groundwater Quality Assessment Report for East and West Basins
Document Type: Monitoring Report - Groundwater
Receive Date: 08/19/2019
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Due Date: Not reported

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Title: Merger of Tesoro Refining and Marketing Company with marathon Petroleum Corporation
Document Type: Respond to Facility Inquiries
Receive Date: 08/23/2018
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Due Date: Not reported

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Title: Refinery Subsurface Cleanup Progress Report January through June 2015
Document Type: Monitoring Report - Groundwater
Receive Date: 12/08/2015
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Due Date: Not reported

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Title: 2015 Annual Refinery Subsurface Cleanup Progress Report.
Document Type: Monitoring Report - Groundwater
Receive Date: 07/13/2016
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Due Date: Not reported

TESORO CARSON REFINERY (Continued) **S115811833**

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Title: Refinery Subsurface Cleanup Progress Report january 2019 through June 2019
Document Type: Monitoring Report - Groundwater
Receive Date: 07/02/2020
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Due Date: Not reported

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Title: Request for Repair and Maintenance East Retention Basin
Document Type: Respond to Facility Inquiries
Receive Date: 06/14/2011
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Due Date: Not reported

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Title: Annual Training Certification from the Facility per CCR, section 66264.16(f)
Document Type: Certification Documents from Facility
Receive Date: 03/01/2021
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Due Date: Not reported

Alias:
EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Facility Status: POST CLOSURE PERMIT + PC UNITS
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Alias Type: FRS
Alias: 110017428988

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Facility Status: POST CLOSURE PERMIT + PC UNITS
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Alias Type: Envirostor ID Number

TESORO CARSON REFINERY (Continued) **S115811833**

Alias: 19290015

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Facility Status: POST CLOSURE PERMIT + PC UNITS
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Alias Type: Project Code (Site Code)
Alias: 400348

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Facility Status: POST CLOSURE PERMIT + PC UNITS
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Alias Type: APN
Alias: 7315001025

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Facility Status: POST CLOSURE PERMIT + PC UNITS
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Alias Type: APN
Alias: 7315001026

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Facility Status: POST CLOSURE PERMIT + PC UNITS
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Alias Type: APN
Alias: 7315001027

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Facility Status: POST CLOSURE PERMIT + PC UNITS
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Alias Type: APN
Alias: 7315001028

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Facility Status: POST CLOSURE PERMIT + PC UNITS
Project Manager: Not reported

TESORO CARSON REFINERY (Continued) **S115811833**

Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Alias Type: APN
Alias: 7315006003

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Facility Status: POST CLOSURE PERMIT + PC UNITS
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Alias Type: APN
Alias: 7315007005

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Facility Status: POST CLOSURE PERMIT + PC UNITS
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Alias Type: APN
Alias: 7315007006

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Facility Status: POST CLOSURE PERMIT + PC UNITS
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Alias Type: APN
Alias: 7315007007

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Facility Status: POST CLOSURE PERMIT + PC UNITS
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Alias Type: APN
Alias: 7315007009

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Facility Status: POST CLOSURE PERMIT + PC UNITS
Project Manager: Not reported
Project Manager Lead: RAO AKULA
Supervisor: PHILLIP BLUM
Alias Type: APN
Alias: 7315008046

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted

TESORO CARSON REFINERY (Continued) **S115811833**

Facility Name:	TESORO CARSON REFINERY
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Project Manager:	Not reported
Project Manager Lead:	RAO AKULA
Supervisor:	PHILLIP BLUM
Alias Type:	APN
Alias:	7315008047
EPA ID:	CAD077227049
Facility Type:	Post-Closure Permitted
Facility Name:	TESORO CARSON REFINERY
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Project Manager:	Not reported
Project Manager Lead:	RAO AKULA
Supervisor:	PHILLIP BLUM
Alias Type:	APN
Alias:	7315008053
EPA ID:	CAD077227049
Facility Type:	Post-Closure Permitted
Facility Name:	TESORO CARSON REFINERY
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Project Manager:	Not reported
Project Manager Lead:	RAO AKULA
Supervisor:	PHILLIP BLUM
Alias Type:	Alternate Name
Alias:	ARCO PETROLEUM PRODUCTS COMPANY - WATSON

H49 **ARCO PETROLEUM PRODUCTS COMPANY - WATSON** **ENVIROSTOR** **S101480683**
WSW **1801 EAST SEPULVEDA BOULEVARD** **CHMIRS** **N/A**
1/2-1 **CARSON, CA 90745** **CIWQS**
0.507 mi.
2679 ft. **Site 4 of 4 in cluster H**

Relative: **Higher**
Actual: **32 ft.**

ENVIROSTOR:

Name:	ARCO PETROLEUM PRODUCTS COMPANY - WATSON
Address:	1801 EAST SEPULVEDA BOULEVARD
City,State,Zip:	CARSON, CA 90745
Facility ID:	19290015
Status:	Refer: RCRA
Status Date:	08/28/1995
Site Code:	400006
Site Type:	Historical
Site Type Detailed:	* Historical
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	* Mmonroy
Division Branch:	Cleanup Cypress
Assembly:	64
Senate:	35
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported

ARCO PETROLEUM PRODUCTS COMPANY - WATSON (Continued) **S101480683**

Latitude: 33.81342
Longitude: -118.2433
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: ATLANTIC RICHFIELD COMPANY
Alias Type: Alternate Name
Alias Name: BP WEST COAST PRODUCTS LLC
Alias Type: Alternate Name
Alias Name: FOUR CORNERS PIPELINE CO - CARSON
Alias Type: Alternate Name
Alias Name: WATSON REFINERY, ARCO PETROLEUM PRODUCTS
Alias Type: Alternate Name
Alias Name: CAD077227049
Alias Type: EPA Identification Number
Alias Name: 110017428988
Alias Type: EPA (FRS #)
Alias Name: CAD000628412
Alias Type: HWTS Identification Code
Alias Name: 400006
Alias Type: Project Code (Site Code)
Alias Name: 19290015
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 06/03/1981
Comments: FACILITY IDENTIFIED REVIEWED COUNTY ENG. RECORDS

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 03/06/1995
Comments: DATABASE VALIDATION PROGRAM CONFIRMS NFA FOR DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 05/19/1989
Comments: SITE SCREENING DONE FIT COMPLETED PA REASSESSMENT ON 10/5/88 AND RECOMMENDED NFA UNDER CERCLA, FACI- LITY IS RCRA REGULATED AND BEING HANDLED BY RWQCB

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

ARCO PETROLEUM PRODUCTS COMPANY - WATSON (Continued) **S101480683**

CHMIRS:

Name:	Not reported
Address:	1801 EAST SEPULVEDA BLVD
City,State,Zip:	CARSON, CA
OES Incident Number:	10-0422
OES notification:	01/19/2010
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	Dominguez Channel
Spill Site:	Refinery
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	N/A
Other:	Not reported
Date/Time:	1445
Year:	2010
Agency:	BP Carson
Incident Date:	1/19/2010
Admin Agency:	LACoFD Health Haz-Mat
Amount:	Not reported
Contained:	Unknown
Site Type:	Dominguez Channel
E Date:	Not reported
Substance:	Sheen
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported

ARCO PETROLEUM PRODUCTS COMPANY - WATSON (Continued) **S101480683**

Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Per caller, the outfalls were open and it is unknown where the source of the sheen is. The sheen size is unknown.

Name:	Not reported
Address:	1801 EAST SEPULVEDA
City,State,Zip:	CARSON, CA
OES Incident Number:	3-3000
OES notification:	06/12/2003
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported

ARCO PETROLEUM PRODUCTS COMPANY - WATSON (Continued) **S101480683**

Year:	2003
Agency:	BP West Coast Prod.
Incident Date:	4/7/200312:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Refinery
E Date:	Not reported
Substance:	NOX
Gallons:	0.000000
Pounds:	55
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	**Historical event** Loss of De-NOX, caused release of NOX
Name:	Not reported
Address:	1801 EAST SEPULVEDA
City,State,Zip:	CARSON, CA
OES Incident Number:	1-3290
OES notification:	06/07/2001
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported

ARCO PETROLEUM PRODUCTS COMPANY - WATSON (Continued) **S101480683**

CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	N/A
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2001
Agency:	ARCO
Incident Date:	6/7/200112:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	No
Site Type:	Refinery
E Date:	Not reported
Substance:	NOX
Pounds:	86
Unknown:	0.000000
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	A shut down at the #6 coker drum resulted in process gas releasing to the flare The release is ongoing
Name:	Not reported
Address:	1801 EAST SEPULVEDA
City,State,Zip:	CARSON, CA 90745
OES Incident Number:	5-1310
OES notification:	02/26/2005
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported

ARCO PETROLEUM PRODUCTS COMPANY - WATSON (Continued) **S101480683**

Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2005
Agency:	BP Carson Refinery
Incident Date:	2/26/200512:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Refinery
E Date:	Not reported
Substance:	Hydrogen
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Substance is being released to flare due to a

ARCO PETROLEUM PRODUCTS COMPANY - WATSON (Continued) **S101480683**

valve on a compressor failing.

Name:	Not reported
Address:	1801 EAST SEPULVEDA
City,State,Zip:	CARSON, CA 90745
OES Incident Number:	08-7386
OES notification:	10/13/2008
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Refinery
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Bbl.(s)
Other:	Not reported
Date/Time:	1215
Year:	2008
Agency:	BP Carson Refinery
Incident Date:	10/13/2008
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Recovered Oil
Quantity Released:	2
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported

ARCO PETROLEUM PRODUCTS COMPANY - WATSON (Continued) **S101480683**

Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	RP states that over two barrels were found in a tank basin. The cause is undetermined at this time.
Name:	Not reported
Address:	1801 EAST SEPULVEDA
City,State,Zip:	CARSON, CA 90745
OES Incident Number:	0-3843
OES notification:	08/25/2000
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	n/a
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported

ARCO PETROLEUM PRODUCTS COMPANY - WATSON (Continued) **S101480683**

Other:	Not reported
Date/Time:	Not reported
Year:	2000
Agency:	ARCO
Incident Date:	8/25/200012:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	No
Site Type:	Refinery
E Date:	Not reported
Substance:	Nitrogen oxide
Gallons:	0.000000
Pounds:	15
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Shutting down hydro-cracking unit and sending gas to flair.

Name:	Not reported
Address:	1801 EAST SEPULVEDA
City,State,Zip:	CARSON, CA 90749
OES Incident Number:	15069
OES notification:	Not reported
OES Date:	8/12/1996
OES Time:	06:48:44 AM
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported

ARCO PETROLEUM PRODUCTS COMPANY - WATSON (Continued) **S101480683**

Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	NO
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Not reported
Containment:	Not reported
What Happened:	Not reported
Type:	VAPOR
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1996
Agency:	arco
Incident Date:	1550 8/10/96
Admin Agency:	Not reported
Amount:	unspecified
Contained:	NO
Site Type:	REF
E Date:	Not reported
Substance:	hydrocarbons
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	NO
Number of Injuries:	NO
Number of Fatalities:	NO
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	power ffailure
Name:	Not reported
Address:	1801 SEPULVEDA BLVD
City,State,Zip:	CARSON, CA
OES Incident Number:	10-1165
OES notification:	02/14/2010
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported

ARCO PETROLEUM PRODUCTS COMPANY - WATSON (Continued) **S101480683**

Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Refinery
Cleanup By:	Unrecoverable
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Lbs.
Other:	Not reported
Date/Time:	1845
Year:	2010
Agency:	BP West Coast Products, LLC
Incident Date:	2/14/2010
Admin Agency:	LACoFD Health Haz-Mat
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	SOX
Quantity Released:	500
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Per caller, flaring due to fuel gas imbalance.

ARCO PETROLEUM PRODUCTS COMPANY - WATSON (Continued) **S101480683**

Name:	Not reported
Address:	1801 EAST SEPULVEDA BLVD
City,State,Zip:	CARSON, CA
OES Incident Number:	10-6969
OES notification:	11/19/2010
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Refinery
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Lbs.
Other:	Not reported
Date/Time:	1000
Year:	2010
Agency:	BP Carson
Incident Date:	11/18/2010
Admin Agency:	LACoFD Health Haz-Mat
Amount:	Not reported
Contained:	Unknown
Site Type:	Not reported
E Date:	Not reported
Substance:	Hydrogen sulfide H2S
Quantity Released:	100
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported

ARCO PETROLEUM PRODUCTS COMPANY - WATSON (Continued) **S101480683**

Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	***POTENTIAL RELEASE ONLY*****Possible due to process malfunction. The incident is under investigation.
Name:	Not reported
Address:	1801 EAST SEPULVEDA
City,State,Zip:	CARSON, CA
OES Incident Number:	7-0582
OES notification:	02/09/1997
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported

ARCO PETROLEUM PRODUCTS COMPANY - WATSON (Continued) **S101480683**

Year:	1997
Agency:	ARCO
Incident Date:	2/9/199712:00:00 AM
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Unknown
Site Type:	Refinery
E Date:	Not reported
Substance:	Unknown
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Fire in refinery/unknown if any substances were released

CIWQS:

Name:	BP CARSON REFINERY
Address:	1801 SEPULVEDA
City,State,Zip:	CARSON, CA 90749
Agency:	BP West Coast Products LLC
Agency Address:	2350 E 223rd St, Carson, CA 90810
Place/Project Type:	Industrial - Petroleum Refining
SIC/NAICS:	2911(+)
Region:	4
Program:	INDSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	4 19I001848
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	03/30/1992
Termination Date:	06/01/2013
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.81583
Longitude:	-118.23278

I50 **CARSON TERMINAL** **Toxic Pits** **S100925072**
South **2000 EAST SEPULVEDA BOULEVARD** **CHMIRS** **N/A**
1/2-1 **CARSON, CA 90810** **ENF**
0.546 mi. **NPDES**
2884 ft. **Site 1 of 3 in cluster I** **CIWQS**

Relative:
Higher

Actual:
26 ft.

TOXIC PITS:

Region:	04
Task #:	84021
Owner:	GATX TANK STORAGE TERMINALS
1/2 Mi Limit:	Y
Num. of Pits:	3
Cease Discharge Due:	06/01/90
Cease Discharge Complete:	/ /
Closure Due:	06/30/91
Closure Completed:	**08/01/91**
Status:	CLOSED
Hydro Geological Assessment Report Due:	/ /
Final Hydro Geological Assessment Review Completed:	/ /

CHMIRS:

Name:	Not reported
Address:	2000 EAST SEPULVEDA
City,State,Zip:	CARSON, CA 90810
OES Incident Number:	08-7302
OES notification:	10/08/2008
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Pipe Line
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported

CARSON TERMINAL (Continued) **S100925072**

Type:	Not reported
Measure:	N/A
Other:	Not reported
Date/Time:	2100
Year:	2008
Agency:	Kinder Morgan
Incident Date:	10/8/2008
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Contaminated Water, Possible Petroleum product.
Quantity Released:	Unk
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	RP states that during a pressure test of a line, there was a discharge of water with possible contamination from prior petroleum product used. The size of the release was 20' long and about 1' wide.

Name:	Not reported
Address:	2000 EAST SEPULVEDA
City,State,Zip:	CARSON, CA 90810
OES Incident Number:	7-2147
OES notification:	04/05/2007
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported

CARSON TERMINAL (Continued) **S100925072**

Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2007
Agency:	Kinder-Morgan
Incident Date:	4/5/2007 12:00:00 AM
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	Water / Gasoline Mix
Gallons:	UNK
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	5’ x 5’ stain on the ground caused by pinhole in a 2" drain line.

Name:	Not reported
Address:	2000 SEPULVEDA BLVD
City,State,Zip:	CARSON, CA
OES Incident Number:	10-3654
OES notification:	06/15/2010
OES Date:	Not reported
OES Time:	Not reported

CARSON TERMINAL (Continued) **S100925072**

Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Service Station
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1855
Year:	2010
Agency:	Kinder Morgan
Incident Date:	6/15/2010
Admin Agency:	LACoFD Health Haz-Mat
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Diesel Fuel with water mixture
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported

CARSON TERMINAL (Continued) **S100925072**

Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Caller release from a storage tank onto the gravel area covering approximately 7 feet area.
Name:	Not reported
Address:	2000 EAST SEPULVEDA
City,State,Zip:	CARSON, CA 90810
OES Incident Number:	72
OES notification:	Not reported
OES Date:	1/16/1994
OES Time:	09:39:07 PM
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	YES
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	GATX
Containment:	Not reported
What Happened:	Not reported
Type:	PETROLEUM
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1994
Agency:	GATX
Incident Date:	1/16/94 1900
Admin Agency:	Not reported
Amount:	15 BBLS
Contained:	NO
Site Type:	OTHER
E Date:	Not reported
Substance:	crude

CARSON TERMINAL (Continued) **S100925072**

Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	NO
Number of Injuries:	NO
Number of Fatalities:	NO
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	LINE OVERPRESSURIZED RELIEF VALVE OVER FILLED SUMP IN FUEL STORAGE AREA.
Name:	Not reported
Address:	2000 EAST SEPULVEDA
City,State,Zip:	CARSON, CA
OES Incident Number:	9-1061
OES notification:	03/07/1999
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party and contractor
Containment:	Not reported
What Happened:	Not reported

CARSON TERMINAL (Continued) **S100925072**

Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1999
Agency:	GATX Terminals
Incident Date:	3/7/199912:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	transmix
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Release is contained to the terminal. Caused by a tank overflow.

Name:	Not reported
Address:	2000 EAST SEPULVEDA
City,State,Zip:	CARSON, CA 90810
OES Incident Number:	8-4220
OES notification:	09/15/1998
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported

CARSON TERMINAL (Continued) **S100925072**

Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1998
Agency:	GATX
Incident Date:	9/15/199812:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	Crude Oil
BBLS:	35
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Occurred at a Storage terminal which stores product for refineries. Possibly occurred due to corrosion leak from an underground line. Noticed crude on ground, began excavating and discovered leak.
Name:	Not reported
Address:	2000 EAST SEPULVEDA BLVD
City,State,Zip:	CARSON, CA
OES Incident Number:	7-0987
OES notification:	02/14/2007
OES Date:	Not reported
OES Time:	Not reported

CARSON TERMINAL (Continued) **S100925072**

Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2007
Agency:	Kinder Morgan
Incident Date:	2/14/2007 12:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Road
E Date:	Not reported
Substance:	Diesel
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported

CARSON TERMINAL (Continued) **S100925072**

Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	A 3' X 1' area. A water draw was filling a pump. Product started burping from the pot onto the gorund.
Name:	Not reported
Address:	2000 EAST SEPULVEDA
City,State,Zip:	CARSON, CA 92868
OES Incident Number:	7-0894
OES notification:	02/09/2007
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2007
Agency:	Kinder Morgan
Incident Date:	2/9/2007 12:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Industrial Plant

CARSON TERMINAL (Continued) **S100925072**

E Date:	Not reported
Substance:	Gas Blend Stock
Gallons:	Unknown
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	A Pump's engineered containment barrier leaked on to the ground.

Name:	Not reported
Address:	2000 EAST SEPULVEDA
City,State,Zip:	CARSON, CA
OES Incident Number:	3-5654
OES notification:	10/31/2003
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported

CARSON TERMINAL (Continued) **S100925072**

Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2003
Agency:	Kinder Morgan
Incident Date:	10/31/200312:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Refinery
E Date:	Not reported
Substance:	Crude
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Unknown size pipeline leaked and left a puddle of crude 20' x 60'.

Name:	Not reported
Address:	2000 EAST SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90810
OES Incident Number:	12-7012
OES notification:	11/19/2012
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported

CARSON TERMINAL (Continued) **S100925072**

Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	Ground water
Spill Site:	Other
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Unknown
Other:	Not reported
Date/Time:	1555
Year:	2012
Agency:	Kinder Morgan
Incident Date:	11/19/2012
Admin Agency:	LACoFD Health Haz-Mat
Amount:	Not reported
Contained:	Yes
Site Type:	Ground water
E Date:	Not reported
Substance:	Potential Petroleum Release
Quantity Released:	Unk
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	RP states that an increase of product thickness in a ground water monitoring well has prompted a further investigation. Release if any is contained to the facility.
Name:	Not reported
Address:	2000 EAST SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90810
OES Incident Number:	08-1479
OES notification:	02/21/2008

CARSON TERMINAL (Continued) **S100925072**

OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Other
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Unknown
Other:	Not reported
Date/Time:	1015
Year:	2008
Agency:	Kinder Morgan
Incident Date:	2/21/2008
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	diesel
Quantity Released:	2 ft stain
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported

CARSON TERMINAL (Continued) **S100925072**

#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	RP States: A valve body gasket failure caused a release to the ground, causing a 2 foot circle stain. The site is a bulk storage terminal.
Name:	Not reported
Address:	2000 EAST SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90810
OES Incident Number:	08-5895
OES notification:	08/13/2008
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Other
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1620
Year:	2008
Agency:	Kinder Morgan Carson
Incident Date:	8/13/2008
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported

CARSON TERMINAL (Continued) **S100925072**

Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Slop Crude/Oil
Quantity Released:	2
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	A bleeder was cracked open on a pump causing this release. The release was contained in a containment area - it caused a 2' x 3' spot on the ground.

Name:	Not reported
Address:	2000 EAST SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90810
OES Incident Number:	5-5674
OES notification:	09/29/2005
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported

CARSON TERMINAL (Continued) **S100925072**

Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2005
Agency:	Kinder Morgan
Incident Date:	9/29/200512:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Refinery
E Date:	Not reported
Substance:	Jet Fuel
Gallons:	2
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Caller advised possibly a vacuum truck spilled jet fuel.
Name:	Not reported
Address:	2000 EAST SEPULVEDA
City,State,Zip:	CARSON, CA
OES Incident Number:	7-0838
OES notification:	02/07/2007
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported

CARSON TERMINAL (Continued) **S100925072**

Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2007
Agency:	Kinder Morgan
Incident Date:	2/7/2007 12:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Road
E Date:	Not reported
Substance:	Crude Oil
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Unknown source. Area involved is 10 ft X 10 ft stain.
Name:	Not reported
Address:	2000 EAST SEPULVEDA
City,State,Zip:	CARSON, CA 90810

CARSON TERMINAL (Continued) **S100925072**

OES Incident Number:	7-0025
OES notification:	01/02/2007
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2007
Agency:	Kinder Morgan
Incident Date:	1/2/2007 12:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Industrial Plant
E Date:	Not reported
Substance:	Stain
Gallons:	0.000000
Unknown:	2
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported

CARSON TERMINAL (Continued) **S100925072**

#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Found a 2 foot stain under a pipeline poosible cause by equipment failure
Name:	Not reported
Address:	2000 EAST SEPULVEDA
City,State,Zip:	CARSON, CA 90010
OES Incident Number:	13-0766
OES notification:	02/05/2013
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Other
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	N/A
Other:	Not reported
Date/Time:	1250
Year:	2013
Agency:	Kinder Morgan
Incident Date:	2/5/2013
Admin Agency:	LACoFD Health Haz-Mat

CARSON TERMINAL (Continued) **S100925072**

Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Water and Glycol Mixture
Quantity Released:	3 feet x 4 feet
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Caller states: A seal on a pump went out causing the release.

Name:	Not reported
Address:	2000 EAST SEPULVEDA BLVD.
City,State,Zip:	CARSON, CA 90810
OES Incident Number:	6-5046
OES notification:	08/23/2006
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported

CARSON TERMINAL (Continued) **S100925072**

Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Ancon Marine Inc
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2006
Agency:	Kinder Morgan
Incident Date:	8/23/2006 12:00:00 AM
Admin Agency:	ERROR: Server error: Entry not found in index
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	JET FUEL
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Drain valve leaking from a tank. Seeped onto the ground creating a 3 ft. x 3 ft. area.
Name:	Not reported
Address:	2000 EAST SEPULVEDA BLVD.
City,State,Zip:	CARSON, CA 90810
OES Incident Number:	13-1839
OES notification:	03/26/2013
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported

CARSON TERMINAL (Continued) **S100925072**

Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Other
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1538
Year:	2013
Agency:	Kinder Morgan
Incident Date:	3/26/2013
Admin Agency:	LACoFD Health Haz-Mat
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Gasoline
Quantity Released:	1,100
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Caller states: A gasoline truck was being loaded with 1,100 gallons of gasoline; however there was a quarter sized hole in the tank which is causing the gasoline to release to the ground. The release is to engineered containment. The release is being watered down to be collected into a storage tank.

CARSON TERMINAL (Continued) **S100925072**

Name:	Not reported
Address:	2000 EAST SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90810-1995
OES Incident Number:	9-4330
OES notification:	10/11/1999
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	storm drain
Spill Site:	Not reported
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1999
Agency:	GATX Terminals Corp
Incident Date:	10/11/199912:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Unknown
Site Type:	Oil Field
E Date:	Not reported
Substance:	Crude Oil
BBLS:	25
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0

CARSON TERMINAL (Continued) **S100925072**

Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Pipeline release was on the western border of bulk storage and transfer facility and then flowed onto Alameda St then into 2 storm drains. Leads into the Dominguez Channel.
Name:	Not reported
Address:	2000 EAST SEPULVEDA
City,State,Zip:	CARSON, CA 90745
OES Incident Number:	08-6912
OES notification:	09/23/2008
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Refinery
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported

CARSON TERMINAL (Continued) **S100925072**

Date/Time:	1534
Year:	2008
Agency:	Kinder Morgan
Incident Date:	9/23/2008
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Ethynol
Quantity Released:	2' x 2' st
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	A leaky flange is the cause of this very small release to the soil. The release occurred on a pipeline inside the terminal.
Name:	Not reported
Address:	2000 EAST SEPULVEDA BLVD.
City,State,Zip:	CARSON, CA 90810
OES Incident Number:	13-4827
OES notification:	08/05/2013
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported

CARSON TERMINAL (Continued) **S100925072**

Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Pipe Line
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Unknown
Other:	Not reported
Date/Time:	1420
Year:	2013
Agency:	Kinder Morgan
Incident Date:	8/5/2013
Admin Agency:	LACoFD Health Haz-Mat
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Diesel
Quantity Released:	UNK
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Caller states: The release occurred in a valve box on a pipeline. The valve box is 5 feet x 6 feet in diameter. The release was to primary containment (the valve box). There was no impact to the ground or any waterways.
Name:	Not reported
Address:	2000 EAST SEPULVEDA BLVD
City,State,Zip:	CARSON, CA
OES Incident Number:	08-1297
OES notification:	02/13/2008
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported

CARSON TERMINAL (Continued) **S100925072**

Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Pipe Line
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Bbl.(s)
Other:	Not reported
Date/Time:	1040
Year:	2008
Agency:	Exon Mobil Pipeline
Incident Date:	2/13/2008
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	crude oil
Quantity Released:	1
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported

CARSON TERMINAL (Continued) **S100925072**

Fatals:	Not reported
Comments:	Not reported
Description:	02/13/08 at 1040 hours, they displacing a line and it opened releasing crude oil.
Name:	Not reported
Address:	2000 EAST SEPULVEDA BLVD
City,State,Zip:	CARSON, CA
OES Incident Number:	7-0958
OES notification:	03/07/1997
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1997
Agency:	GATX Terminals Corp.
Incident Date:	3/6/199712:00:00 AM
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Yes
Site Type:	Industrial Plant
E Date:	Not reported
Substance:	gasoline/water
BBLS:	10

CARSON TERMINAL (Continued) **S100925072**

Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	An above ground storage tank was being dewatered and a valve was left open. The valve has now been closed. the location is an above ground storage tank farm. Contamination was to soil only. Removal of the soil will begin next week.

Name:	Not reported
Address:	2000 EAST SEPULVEDA BLVD
City,State,Zip:	CARSON, CA
OES Incident Number:	7-3763
OES notification:	06/22/2007
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported

CARSON TERMINAL (Continued) **S100925072**

Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2007
Agency:	Kinder Morgan
Incident Date:	6/22/2007 12:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	Crude oil
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	06/22/07 at 0852 hrs, leak on a mixer for a tank. Wetted an area of 3 feet by 2 feet.

Name:	Not reported
Address:	2000 EAST SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90731
OES Incident Number:	8-2081
OES notification:	05/04/1998
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported

CARSON TERMINAL (Continued) **S100925072**

Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1998
Agency:	GATX Corp
Incident Date:	5/4/199812:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Refinery,Other
E Date:	Not reported
Substance:	Crude Oil
BBLS:	20
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Gasket failer on pump caused crude to fall to soil, contained in earthen berm; vactor cleanup underway.
Name:	Not reported
Address:	2000 EAST SEPULVEDA
City,State,Zip:	CARSON, CA
OES Incident Number:	5-6308

CARSON TERMINAL (Continued) **S100925072**

OES notification:	11/01/2005
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2005
Agency:	Kinder Morgan
Incident Date:	11/1/200512:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Refinery
E Date:	Not reported
Substance:	Trans Mix (Diesel & Mix)
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported

CARSON TERMINAL (Continued) **S100925072**

#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Unknown amout covering a 15 by 20 ft. area. A vacuum truck backed into a pipe fitting and broke off the 1/2 inch pipe fitting.
Name:	Not reported
Address:	2000 EAST SEPULVEDA BLVD.
City,State,Zip:	CARSON, CA
OES Incident Number:	3-0704
OES notification:	02/06/2003
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2003
Agency:	Kinder Morgan
Incident Date:	2/2/200312:00:00 AM
Admin Agency:	L. A. County Fire Prevention

CARSON TERMINAL (Continued) **S100925072**

Amount:	Not reported
Contained:	Yes
Site Type:	Refinery
E Date:	Not reported
Substance:	Gasoline H20 mix
Gallons:	35
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Valve left open on water draw vault, caused release of gasoline and water mix.

Name:	Not reported
Address:	2000 EAST SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90810
OES Incident Number:	08-2295
OES notification:	03/24/2008
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported

CARSON TERMINAL (Continued) **S100925072**

Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Merchant/Business
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	N/A
Other:	Not reported
Date/Time:	1525
Year:	2008
Agency:	Kinder Morgan
Incident Date:	3/24/2008
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Gasoline
Quantity Released:	1ft x 2 ft
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Water draw "pod" overflowed causing a small release onto the ground that resulted in a 1 ft by 2 ft area of soil becoming stained with gasoline.
Name:	Not reported
Address:	2000 EAST SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 92868
OES Incident Number:	5-5072
OES notification:	08/30/2005
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported

CARSON TERMINAL (Continued) **S100925072**

More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2005
Agency:	Kinder Morgan
Incident Date:	8/30/200512:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	Threatened release
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Per caller an above ground tank was taken out of service and upon inspection a rivet at the bottom of the tank was found to have topside corrosion, The head was missing.

CARSON TERMINAL (Continued) **S100925072**

Name:	Not reported
Address:	2000 EAST SEPULVEDA
City,State,Zip:	CARSON, CA 90810
OES Incident Number:	5-4134
OES notification:	07/13/2005
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2005
Agency:	Kinder Morgan
Incident Date:	7/13/200512:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Refinery
E Date:	Not reported
Substance:	gasoline
BBLS:	1
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0

CARSON TERMINAL (Continued) **S100925072**

Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Released due to a blown gasket on a line.
Name:	Not reported
Address:	2000 EAST SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90810
OES Incident Number:	7-6869
OES notification:	11/07/2007
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2007

CARSON TERMINAL (Continued) **S100925072**

Agency:	Kinder Morgan
Incident Date:	11/7/2007 12:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	Crude Oil and Water
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	11/07/07 at 1215 hrs, a pump seal gave way causing the spill.
Name:	Not reported
Address:	2000 EAST SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90810
OES Incident Number:	7-1057
OES notification:	02/16/2007
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported

CARSON TERMINAL (Continued) **S100925072**

Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2007
Agency:	Kinder Morgan, Carson Storage Facility
Incident Date:	2/16/2007 12:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	Crude Oil
Gallons:	0.000000
Quarts:	1
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Baker containment bin leaked crude oil onto the ground.
Name:	Not reported
Address:	2000 EAST SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 92868
OES Incident Number:	7-2966
OES notification:	05/15/2007
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported

CARSON TERMINAL (Continued) **S100925072**

Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2007
Agency:	Kinder Morgan
Incident Date:	5/15/2007 12:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Industrial Plant
E Date:	Not reported
Substance:	Jet Fuel
Gallons:	1
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	05/15/07 at 2018 hours, water draw box left filled and expansion due to sun cause it to overflow into a bermed area..

CARSON TERMINAL (Continued) **S100925072**

Name:	Not reported
Address:	2000 EAST SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 92868
OES Incident Number:	7-1919
OES notification:	03/26/2007
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2007
Agency:	Kinder Morgan
Incident Date:	3/26/2007 12:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	Gasoline
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0

CARSON TERMINAL (Continued) **S100925072**

Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	03/26/07 at 1508 hours, Kinder Morgan personnel noticed a 3 foot by 3 foot stain of gasoline under a valve.
Name:	Not reported
Address:	2000 EAST SEPULVEDA BLVD.
City,State,Zip:	CARSON, CA 90810
OES Incident Number:	7-4244
OES notification:	10/23/1997
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported

CARSON TERMINAL (Continued) **S100925072**

Year:	1997
Agency:	GATX Tank Storage Terminals Corp.
Incident Date:	10/17/199712:00:00 AM
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Yes
Site Type:	Industrial Plant
E Date:	Not reported
Substance:	crude oil
Gallons:	55
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Sump overflowed. Investigation in process
Name:	Not reported
Address:	2000 EAST SEPULVEDA
City,State,Zip:	CARSON, CA 90810
OES Incident Number:	08-5415
OES notification:	07/24/2008
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported

CARSON TERMINAL (Continued) **S100925072**

Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Other
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Unknown
Other:	Not reported
Date/Time:	2025
Year:	2008
Agency:	Kinder Morgan
Incident Date:	7/24/2008
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Gear Oil
Quantity Released:	Unknown
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Caller states a stain of gear oil is on the ground. Caller states the stain is 2 inches X 3 inches. Caller states substance released due to a faulty seal on the gearbox.

Name:	Not reported
Address:	2000 EAST SEPULVEDA
City,State,Zip:	CARSON, CA 90806
OES Incident Number:	08-5411
OES notification:	07/24/2008
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported

CARSON TERMINAL (Continued) **S100925072**

Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Other
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Unknown
Other:	Not reported
Date/Time:	1740
Year:	2008
Agency:	Kinder Morgan
Incident Date:	7/24/2008
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Crude Oil
Quantity Released:	Unknown
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Caller states there is a 1.5 Ft X 1.5 Ft oil stain on the gravel.

CARSON TERMINAL (Continued) **S100925072**

Name:	Not reported
Address:	2000 EAST SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90810
OES Incident Number:	4-0145
OES notification:	01/09/2014
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Other
Cleanup By:	No
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	PETROLEUM
Measure:	Gal(s)
Other:	Not reported
Date/Time:	725
Year:	2014
Agency:	Kinder Morgan
Incident Date:	1/9/2014
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Crude Oil
Quantity Released:	100
Unknown:	Not reported
Substance #2:	Not reported

CARSON TERMINAL (Continued) **S100925072**

Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	Unknown
Fatals:	No
Comments:	Not reported
Description:	RP states that a storage tank was discovered to be leaking due to unknown reasons resulting in the release of less than 100 gallons of crude oil onto the ground. The release is not contained and is still leaking at a trickling rate. Caller states that absorbent pads have been applied to absorb the release. No waterways have been impacted.
Name:	Not reported
Address:	2000 EAST SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90810
OES Incident Number:	7-1792
OES notification:	03/20/2007
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported

CARSON TERMINAL (Continued) **S100925072**

Spill Site:	Not reported
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2007
Agency:	Kinder Morgan, Carson
Incident Date:	3/20/2007 12:00:00 AM
Admin Agency:	Not reported
Amount:	Not reported
Contained:	No
Site Type:	Refinery
E Date:	Not reported
Substance:	Crude Oil
Gallons:	Unknown
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	While doing a daily normally scheduled walk-around some operators at the facility noticed the spill. The spill has occured in a dirted area on the facility. Spill is 15’ x 30’.
Name:	Not reported
Address:	2000 EAST SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90810
OES Incident Number:	08-7320
OES notification:	10/09/2008
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported

CARSON TERMINAL (Continued) **S100925072**

Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Merchant/Business
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Unknown
Other:	Not reported
Date/Time:	1505
Year:	2008
Agency:	Kinder Morgan
Incident Date:	10/9/2008
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Diesel
Quantity Released:	8ft circle
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	A dome mount failure caused the release.
Name:	Not reported
Address:	2000 EAST SEPULVEDA
City,State,Zip:	CARSON, CA 90810
OES Incident Number:	08-2979
OES notification:	04/22/2008

CARSON TERMINAL (Continued) **S100925072**

OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Industrial Plant
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1600
Year:	2008
Agency:	Kinder Morgan
Incident Date:	4/22/2008
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Gasoline
Quantity Released:	10’ x 3’ s
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported

CARSON TERMINAL (Continued) **S100925072**

#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	A vacuum breaker malfunctioned causing this release to the ground.
Name:	Not reported
Address:	2000 EAST SEPULVEDA
City,State,Zip:	CARSON, CA 90810
OES Incident Number:	6-5451
OES notification:	09/13/2006
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2006
Agency:	Kinder Morgan
Incident Date:	9/13/2006 12:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes

CARSON TERMINAL (Continued) **S100925072**

Site Type:	Other
E Date:	Not reported
Substance:	crude oil
Gallons:	5
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	They discovered a spot, 2-ft by 3-ft, due to a drain backing up.

Name:	Not reported
Address:	2000 EAST SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90810
OES Incident Number:	08-3948
OES notification:	06/02/2008
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported

CARSON TERMINAL (Continued) **S100925072**

Spill Site:	Industrial Plant
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1935
Year:	2008
Agency:	Kinder Morgan
Incident Date:	6/2/2008
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Carb Diesel
Quantity Released:	Unknown
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Caller states that a 150-200 feet long, 18inch wide pipe leaked. Was told that a sump overflow and water draw pot overflow occured causing the spill.
Name:	Not reported
Address:	2000 EAST SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90810
OES Incident Number:	980
OES notification:	Not reported
OES Date:	11/1/1994
OES Time:	09:13:35 AM
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported

CARSON TERMINAL (Continued) **S100925072**

Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	YES
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	gatx
Containment:	Not reported
What Happened:	Not reported
Type:	PETROLEUM
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1994
Agency:	gatx
Incident Date:	1800/31oct94
Admin Agency:	Not reported
Amount:	max of 10 bbls
Contained:	NO
Site Type:	OTHER
E Date:	Not reported
Substance:	diesel fuel
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	NO
Number of Injuries:	NO
Number of Fatalities:	NO
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	tranfer line gasket failed -spill went to containment area
Name:	Not reported
Address:	2000 EAST SEPULVEDA BLVD
City,State,Zip:	CARSON, CA
OES Incident Number:	7-0989
OES notification:	03/10/1997

CARSON TERMINAL (Continued) **S100925072**

OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1997
Agency:	Gatx Terminals
Incident Date:	3/1/199712:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	Water
Gallons:	110
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported

CARSON TERMINAL (Continued) **S100925072**

#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	While doing a tank draw, a water draw look box overflowed.
Name:	Not reported
Address:	2000 EAST SEPULVEDA
City,State,Zip:	CARSON, CA 90810
OES Incident Number:	7-7519
OES notification:	12/05/2007
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2007
Agency:	Kinder Morgan
Incident Date:	12/5/2007 12:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes

CARSON TERMINAL (Continued) **S100925072**

Site Type:	Other
E Date:	Not reported
Substance:	Crude Oil
Gallons:	1' x 1' stain
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	A leaky gauge was the cause of this small release to the rock.

Name:	Not reported
Address:	2000 EAST SEPULVEDA BLVD
City,State,Zip:	CARSON, CA
OES Incident Number:	08-7805
OES notification:	10/29/2008
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported

CARSON TERMINAL (Continued) **S100925072**

Spill Site:	Other
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Unknown
Other:	Not reported
Date/Time:	1640
Year:	2008
Agency:	NRC
Incident Date:	10/29/2008
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Crude Oil
Quantity Released:	Unknown
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Per the NRC Report, the caller is reporting a deischarge of crude oil mixed with water onto the ground from a hose on a vacuum truck due to the hose leaking. The NRC report indicates that the spill has been cleaned up.
Name:	Not reported
Address:	2000 EAST SEPULVEDA BLVD.
City,State,Zip:	CARSON, CA 90810
OES Incident Number:	08-2243
OES notification:	03/22/2008
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported

CARSON TERMINAL (Continued) **S100925072**

Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Other
Cleanup By:	Responsible Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	0100
Year:	2008
Agency:	Kinder-Morgan
Incident Date:	3/22/2008
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Mixed Fuels
Quantity Released:	5
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	A bad valve caused a slow leak out of a sample pot.
Name:	Not reported
Address:	2000 EAST SEPULVEDA
City,State,Zip:	CARSON, CA

CARSON TERMINAL (Continued) **S100925072**

OES Incident Number:	70
OES notification:	Not reported
OES Date:	2/5/1994
OES Time:	01:22:10 PM
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	YES
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	gatex to clean up
Containment:	Not reported
What Happened:	Not reported
Type:	PETROLEUM
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1994
Agency:	gatex
Incident Date:	0750 5 feb 94
Admin Agency:	Not reported
Amount:	175 bbl
Contained:	NO
Site Type:	OTHER
E Date:	Not reported
Substance:	crude
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	NO
Number of Injuries:	NO
Number of Fatalities:	NO
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported

CARSON TERMINAL (Continued) **S100925072**

#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	pipe line leak in terminal area, all material in secondary containment.
Name:	Not reported
Address:	2000 EAST SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90810
OES Incident Number:	5-6630
OES notification:	11/16/2005
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2005
Agency:	Kinder Morgan
Incident Date:	11/16/200512:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported

CARSON TERMINAL (Continued) **S100925072**

Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	Crude Oil
Gallons:	1
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Substance was released during a drain-up of an internal line. Substance splashed out of the drain pan. Substance released covered an area 2Ft X 2Ft. Substance has been cleaned up.

ENF:

Name:	GROUND WATER CLEANUP - CARSON
Address:	2000 SEPULVEDA
City,State,Zip:	CARSON, CA 90810
Region:	4
Facility Id:	229321
Agency Name:	Kinder Morgan Liquids Terminals, LLC
Place Type:	Manufacturing
Place Subtype:	Petroleum Refinery
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	33.807155
Place Longitude:	-118.231666
SIC Code 1:	2911
SIC Desc 1:	Petroleum Refining
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported

CARSON TERMINAL (Continued) **S100925072**

Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	UNREGS
Program Category1:	UNREGS
Program Category2:	UNREGS
# Of Programs:	1
WDID:	4B192238N03
Reg Measure Id:	149765
Reg Measure Type:	Unregulated
Region:	4
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/21/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	220104
Region:	4
Order / Resolution Number:	CAO
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	11/06/1990
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	11/06/1990
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 4B192238N03
Description:	TO IMPLEMENT THE GROUND WATER CLEANUP ACCORDING TO THE TIME SCHEDULE.
Program:	UNREGS
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0

CARSON TERMINAL (Continued) **S100925072**

Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

NPDES:

Name:	CARSON TERMINAL
Address:	2000 EAST SEPULVEDA BOULEVARD
City,State,Zip:	CARSON, CA 90810
Facility Status:	Active
NPDES Number:	CA0056863
Region:	4
Agency Number:	24865
Regulatory Measure ID:	404032
Place ID:	217067
Order Number:	R4-2016-0360
WDID:	4B192238002
Regulatory Measure Type:	NPDES Permits
Program Type:	NPDNONMUNIPRCS
Adoption Date Of Regulatory Measure:	12/08/2016
Effective Date Of Regulatory Measure:	02/01/2017
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	01/31/2022
Discharge Address:	1100 Town & Country Road 700
Discharge Name:	Kinder Morgan Liquids Terminals, LLC
Discharge City:	Orange
Discharge State:	CA
Discharge Zip:	92868
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	CA0056863
Status:	Historical
Agency Number:	24865
Region:	4
Regulatory Measure ID:	377786
Order Number:	R4-2011-0100
Regulatory Measure Type:	NPDES Permits
Place ID:	217067
WDID:	4B192238002
Program Type:	NPDNONMUNIPRCS
Adoption Date Of Regulatory Measure:	06/02/2011
Effective Date Of Regulatory Measure:	07/02/2011
Expiration Date Of Regulatory Measure:	05/10/2016
Termination Date Of Regulatory Measure:	01/31/2017
Discharge Name:	Kinder Morgan Liquids Terminals, LLC
Discharge Address:	1100 Town & Country Road 700
Discharge City:	Orange
Discharge State:	CA
Discharge Zip:	92868
Received Date:	Not reported
Processed Date:	Not reported

CARSON TERMINAL (Continued) **S100925072**

Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CA0056863
Status:	Active

CARSON TERMINAL (Continued) **S100925072**

Agency Number:	24865
Region:	4
Regulatory Measure ID:	404032
Order Number:	R4-2016-0360
Regulatory Measure Type:	NPDES Permits
Place ID:	217067
WDID:	4B192238002
Program Type:	NPDNONMUNIPRCS
Adoption Date Of Regulatory Measure:	12/08/2016
Effective Date Of Regulatory Measure:	02/01/2017
Expiration Date Of Regulatory Measure:	01/31/2022
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Kinder Morgan Liquids Terminals, LLC
Discharge Address:	1100 Town & Country Road 700
Discharge City:	Orange
Discharge State:	CA
Discharge Zip:	92868
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported

CARSON TERMINAL (Continued) **S100925072**

Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CIWQS:

Name:	CARSON TERMINAL EXPANSION PROJECT PHASE IV
Address:	2000 EAST SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90810
Agency:	Kinder Morgan Energy Partners
Agency Address:	1001 Louisiana St Ste 1000, Houston, TX 77002
Place/Project Type:	Construction - Industrial
SIC/NAICS:	Not reported
Region:	4
Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	4 19C360739
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	04/06/2011
Termination Date:	10/07/2013
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.480958
Longitude:	-118.140198

Name:	CARSON TERMINAL EXPANSION PROJECT PHASE IV
Address:	2000 EAST SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90810
Agency:	Kinder Morgan Energy Partners
Agency Address:	1001 Louisiana St Ste 1000, Houston, TX 77002
Place/Project Type:	Construction - Industrial
SIC/NAICS:	Not reported
Region:	4
Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction

CARSON TERMINAL (Continued) **S100925072**

Order Number:	2009-0009-DWQ
WDID:	4 19C359627
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	10/04/2010
Termination Date:	03/05/2012
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.480958
Longitude:	-118.140198

Name:	CARSON TERMINAL
Address:	2000 EAST SEPULVEDA BOULEVARD
City,State,Zip:	CARSON, CA 90810
Agency:	Kinder Morgan Liquids Terminals, LLC
Agency Address:	1100 Town & Country Road 700, Orange, CA 92868
Place/Project Type:	Tank Farm
SIC/NAICS:	1311(+)
Region:	4
Program:	NPDESWW, NPDNONMUNIPRCS
Regulatory Measure Status:	Active
Regulatory Measure Type:	NPDES Permit
Order Number:	R4-2016-0360
WDID:	4B192238002
NPDES Number:	CA0056863
Adoption Date:	12/08/2016
Effective Date:	02/01/2017
Termination Date:	Not reported
Expiration/Review Date:	01/31/2022
Design Flow:	0.25
Major/Minor:	Minor
Complexity:	C
TTWQ:	2
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.807155
Longitude:	-118.231666

Name:	CARSON TERMINAL
Address:	2000 EAST SEPULVEDA BOULEVARD
City,State,Zip:	CARSON, CA 90810
Agency:	Not reported
Agency Address:	Not reported
Place/Project Type:	Tank Farm
SIC/NAICS:	1311(+)
Region:	4
Program:	LNDISP
Regulatory Measure Status:	Historical
Regulatory Measure Type:	Enrollee - WDR
Order Number:	90-148
WDID:	4B196900009
NPDES Number:	Not reported

CARSON TERMINAL (Continued) **S100925072**

Adoption Date:	Not reported
Effective Date:	05/20/2009
Termination Date:	05/20/2010
Expiration/Review Date:	05/20/2010
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	B
TTWQ:	3
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.807155
Longitude:	-118.231666

I51
South
1/2-1
0.546 mi.
2884 ft.

Relative:
Higher

Actual:
26 ft.

TORRANCE LOGISTICS COMPANY
2000 E. SEPULVEDA BLVD UNIT A
CARSON, CA 90810

Site 2 of 3 in cluster I

CPS-SLIC **S101582614**
CERS HAZ WASTE **N/A**
SWEEPS UST
HIST UST
CA FID UST
CERS TANKS
CHMIRS
EMI
HAZNET
HWP
CERS
HWTS

CPS-SLIC:

Name:	TESORO PIPELINE LINE 7 SPILL
Address:	2000 EAST SEPULVEDA BOULEVARD
City,State,Zip:	CARSON, CA 90810
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	10/22/2019
Global Id:	T10000007280
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	33.806030473795
Longitude:	-118.228833136902
Case Type:	Cleanup Program Site
Case Worker:	JY
Local Agency:	Not reported
RB Case Number:	1301
File Location:	Regional Board
Potential Media Affected:	Aquifer used for drinking water supply, Soil, Soil Vapor
Potential Contaminants of Concern:	Other Petroleum
Site History:	Regional Board has overseen the site investigation and cleanup efforts at the Tesoro Pipeline #7 (California State Fire Marshall Case Number 1236). Tesoro's Line 7 is located at 2000 East Sepulveda Boulevard in Carson, Califoria. The location is in the northeastern corner of the Kinder Morgan Carson Terminal facility. Liquid phase hydrocarbon release was reported on August 5, 2013. The release point was identified as Jet Fuel (contents of Tesoro's Line 7) on August 18, 2013. Based on the inventory estimates, Tesoro estimates that a total of 164 barrels of Jet Aviation Fuel was released from Line 7. Since August 6, 2013, Kinder Morgan/Tesoro has made recovery efforts in the open excavation area of the release point. Tesoro obtained access from Kinder Morgan to conduct further investigation to define the vertical and lateral extent of the impacts associated with Line 7

TORRANCE LOGISTICS COMPANY (Continued) **S101582614**

release. Technical reports have been submitted to Regional Board for review.

Click here to access the California GeoTracker records for this facility:

CERS HAZ WASTE:

Name:	KINDER MORGAN LIQUIDS TERMINALS LLC
Address:	2000 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90810
Site ID:	395877
CERS ID:	10152171
CERS Description:	Hazardous Waste Generator

Name:	KINDER MORGAN LIQUIDS TERMINALS LLC
Address:	2000 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90810
Site ID:	395877
CERS ID:	10152171
CERS Description:	RCRA LQ HW Generator

SWEEPS UST:

Name:	GATX TERMINALS CORPORATION
Address:	2000 E SEPULVEDA BLVD
City:	CARSON
Status:	Not reported
Comp Number:	293
Number:	Not reported
Board Of Equalization:	44-007423
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-000293-000001
Tank Status:	Not reported
Capacity:	500
Active Date:	Not reported
Tank Use:	OIL
STG:	WASTE
Content:	Not reported
Number Of Tanks:	2

Name:	GATX TERMINALS CORPORATION
Address:	2000 E SEPULVEDA BLVD
City:	CARSON
Status:	Not reported
Comp Number:	293
Number:	Not reported
Board Of Equalization:	44-007423
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-000293-000002
Tank Status:	Not reported
Capacity:	500
Active Date:	Not reported

TORRANCE LOGISTICS COMPANY (Continued) **S101582614**

Tank Use: OIL
STG: WASTE
Content: Not reported
Number Of Tanks: Not reported

HIST UST:
Name: GATX TANK STORAGE TERMINALS CO
Address: 2000 EAST SEPULVEDA BLVD
City,State,Zip: CARSON, CA 90810
File Number: 00026A5B
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00026A5B.pdf
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

Click here for Geo Tracker PDF:

CA FID UST:
Facility ID: 19000723
Regulated By: UTNKI
Regulated ID: CAD010715
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2138305666
Mail To: Not reported
Mailing Address: 2000 E SEPULVEDA BLVD
Mailing Address 2: Not reported
Mailing City,St,Zip: CARSON 90745
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Inactive

CERS TANKS:
Name: KINDER MORGAN LIQUIDS TERMINALS LLC
Address: 2000 E SEPULVEDA BLVD
City,State,Zip: CARSON, CA 90810

TORRANCE LOGISTICS COMPANY (Continued) **S101582614**

Site ID: 395877
CERS ID: 10152171
CERS Description: Aboveground Petroleum Storage

CHMIRS:

Name:	Not reported
Address:	2000 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90810
OES Incident Number:	21-0118
OES notification:	01/08/2021
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Industrial Plant
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	PETROLEUM
Measure:	Unknown
Other:	Not reported
Date/Time:	1120
Year:	2020
Agency:	Kinder Morgan
Incident Date:	01/08/2021
Admin Agency:	LACoFD Health Haz-Mat
Amount:	Not reported
Contained:	Stopped,Contained
Site Type:	Not reported

TORRANCE LOGISTICS COMPANY (Continued) **S101582614**

E Date:	Not reported
Substance:	Jet Fuel
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	Per caller, due to unknown reasons, jet fuel was released into a concrete containment area. Stopped and contained. Contractor conducting clean up. No water impacted. Release is still under investigation.

Name:	Not reported
Address:	2000 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA
OES Incident Number:	5-2811
OES notification:	05/11/2005
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported

TORRANCE LOGISTICS COMPANY (Continued) **S101582614**

Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2005
Agency:	Kinder Morgan
Incident Date:	5/11/200512:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	Ethanol
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Per caller, a seal gave way causing a release. The area covered is a 5 foot by 5 foot .
Name:	Not reported
Address:	2000 EAST SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90810
OES Incident Number:	20-4192
OES notification:	08/06/2020
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported

TORRANCE LOGISTICS COMPANY (Continued) **S101582614**

Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Industrial Plant
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	PETROLEUM
Measure:	N/A
Other:	Not reported
Date/Time:	1029
Year:	2020
Agency:	Kinder Morgan
Incident Date:	08/06/2020
Admin Agency:	LACoFD Health Haz-Mat
Amount:	Not reported
Contained:	Unknown if stopped,Unknown if contained
Site Type:	Not reported
E Date:	Not reported
Substance:	Petroleum product
Quantity Released:	unknown
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	Caller states a pressure test failure prompting an investigation into what happen and are making early notifications.
Name:	Not reported

TORRANCE LOGISTICS COMPANY (Continued) **S101582614**

Address:	2000 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90810
OES Incident Number:	13-5202
OES notification:	08/22/2013
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Service Station
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	725
Year:	2013
Agency:	Kinder Morgan
Incident Date:	8/22/2013
Admin Agency:	LACoFD Health Haz-Mat
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Gasoline
Quantity Released:	Potential Release
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported

TORRANCE LOGISTICS COMPANY (Continued) **S101582614**

#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	POTENTIAL RELEASE: RP states that the results of a hydrotest on a station line indicates there may be a possible leak on a 3" line. Crews are on scene to perform an inspection of the line. At the time of this report, there is no release.

Name:	Not reported
Address:	2000 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA
OES Incident Number:	08-7101
OES notification:	10/01/2008
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Service Station
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	N/A
Other:	Not reported

TORRANCE LOGISTICS COMPANY (Continued) **S101582614**

Date/Time:	1405
Year:	2008
Agency:	Kinder Morgan
Incident Date:	10/1/2008
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Unknown Oil
Quantity Released:	1ft x 1ft
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Due to a flange malfunction, oil was release onto asphalt and soil nearby.
Name:	Not reported
Address:	2000 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA
OES Incident Number:	08-8690
OES notification:	12/05/2008
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported

TORRANCE LOGISTICS COMPANY (Continued) **S101582614**

CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Other
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	N/A
Other:	Not reported
Date/Time:	0713
Year:	2008
Agency:	Kinder Morgan
Incident Date:	12/5/2008
Admin Agency:	LACoFD Health Haz-Mat
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Crude Oil
Quantity Released:	3ft x 10ft
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	A pipe header leaked causing a stain of oil on the ground measuring 3 feet by 10 feet.

EMI:

Name:	GATX TANK STORAGE TERMINAL COR
Address:	2000 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
Year:	1993
County Code:	19
Air Basin:	SC
Facility ID:	800057
Air District Name:	SC
SIC Code:	5171
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported

TORRANCE LOGISTICS COMPANY (Continued) **S101582614**

Total Organic Hydrocarbon Gases Tons/Yr:	160
Reactive Organic Gases Tons/Yr:	147
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	3
SOX - Oxides of Sulphur Tons/Yr:	1
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	GATX TANK STORAGE TERMINAL COR
Address:	2000 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
Year:	1995
County Code:	19
Air Basin:	SC
Facility ID:	800057
Air District Name:	SC
SIC Code:	5171
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	160
Reactive Organic Gases Tons/Yr:	147
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	3
SOX - Oxides of Sulphur Tons/Yr:	1
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	GATX TANK STORAGE TERMINAL COR
Address:	2000 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
Year:	1996
County Code:	19
Air Basin:	SC
Facility ID:	800057
Air District Name:	SC
SIC Code:	4226
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	278
Reactive Organic Gases Tons/Yr:	268
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	5
SOX - Oxides of Sulphur Tons/Yr:	3
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	GATX RAIL CORP (NSR USE)
Address:	2000 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
Year:	1997
County Code:	19
Air Basin:	SC
Facility ID:	800057
Air District Name:	SC
SIC Code:	4226

TORRANCE LOGISTICS COMPANY (Continued) **S101582614**

Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	102
Reactive Organic Gases Tons/Yr:	90
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	3
SOX - Oxides of Sulphur Tons/Yr:	1
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	GATX TANK STORAGE TERMINAL COR
Address:	2000 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
Year:	1998
County Code:	19
Air Basin:	SC
Facility ID:	800057
Air District Name:	SC
SIC Code:	4226
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	102
Reactive Organic Gases Tons/Yr:	90
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	3
SOX - Oxides of Sulphur Tons/Yr:	1
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	GATX RAIL CORP (NSR USE)
Address:	2000 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
Year:	1999
County Code:	19
Air Basin:	SC
Facility ID:	800057
Air District Name:	SC
SIC Code:	4226
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	102
Reactive Organic Gases Tons/Yr:	90
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	3
SOX - Oxides of Sulphur Tons/Yr:	1
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	GATX RAIL CORP (NSR USE)
Address:	2000 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
Year:	2000
County Code:	19
Air Basin:	SC

TORRANCE LOGISTICS COMPANY (Continued) **S101582614**

Facility ID:	800057
Air District Name:	SC
SIC Code:	4226
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	102
Reactive Organic Gases Tons/Yr:	90
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	3
SOX - Oxides of Sulphur Tons/Yr:	1
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	KINDER MORGAN LIQUIDS TERMINALS, LLC
Address:	2000 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
Year:	2002
County Code:	19
Air Basin:	SC
Facility ID:	800057
Air District Name:	SC
SIC Code:	4226
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	181
Reactive Organic Gases Tons/Yr:	170
Carbon Monoxide Emissions Tons/Yr:	6
NOX - Oxides of Nitrogen Tons/Yr:	7
SOX - Oxides of Sulphur Tons/Yr:	3
Particulate Matter Tons/Yr:	1
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	KINDER MORGAN LIQUIDS TERMINALS, LLC
Address:	2000 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
Year:	2003
County Code:	19
Air Basin:	SC
Facility ID:	800057
Air District Name:	SC
SIC Code:	4226
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	181
Reactive Organic Gases Tons/Yr:	170
Carbon Monoxide Emissions Tons/Yr:	6
NOX - Oxides of Nitrogen Tons/Yr:	7
SOX - Oxides of Sulphur Tons/Yr:	3
Particulate Matter Tons/Yr:	1
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	KINDER MORGAN LIQUIDS TERMINALS, LLC
Address:	2000 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745

TORRANCE LOGISTICS COMPANY (Continued) **S101582614**

Year:	2004
County Code:	19
Air Basin:	SC
Facility ID:	800057
Air District Name:	SC
SIC Code:	4226
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	180.5805715
Reactive Organic Gases Tons/Yr:	169.89
Carbon Monoxide Emissions Tons/Yr:	6.2473
NOX - Oxides of Nitrogen Tons/Yr:	6.5852
SOX - Oxides of Sulphur Tons/Yr:	2.503
Particulate Matter Tons/Yr:	0.55078
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.5

Name:	KINDER MORGAN LIQUIDS TERMINALS, LLC
Address:	2000 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
Year:	2005
County Code:	19
Air Basin:	SC
Facility ID:	800057
Air District Name:	SC
SIC Code:	4226
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	120.9373450736
Reactive Organic Gases Tons/Yr:	114.11277419396744
Carbon Monoxide Emissions Tons/Yr:	1.0873
NOX - Oxides of Nitrogen Tons/Yr:	3.26902
SOX - Oxides of Sulphur Tons/Yr:	.047575
Particulate Matter Tons/Yr:	1.47558
Part. Matter 10 Micrometers and Smllr Tons/Yr:	1.35021096

Name:	KINDER MORGAN LIQUIDS TERMINALS, LLC
Address:	2000 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
Year:	2006
County Code:	19
Air Basin:	SC
Facility ID:	800057
Air District Name:	SC
SIC Code:	4226
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	117.4624701837170909
Reactive Organic Gases Tons/Yr:	88.734
Carbon Monoxide Emissions Tons/Yr:	1.244
NOX - Oxides of Nitrogen Tons/Yr:	1.861
SOX - Oxides of Sulphur Tons/Yr:	1.771
Particulate Matter Tons/Yr:	1.793
Part. Matter 10 Micrometers and Smllr Tons/Yr:	1.63326

TORRANCE LOGISTICS COMPANY (Continued) **S101582614**

Name:	KINDER MORGAN LIQUIDS TERMINALS, LLC
Address:	2000 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
Year:	2007
County Code:	19
Air Basin:	SC
Facility ID:	800057
Air District Name:	SC
SIC Code:	4226
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	91.20855471595387349
Reactive Organic Gases Tons/Yr:	88.734
Carbon Monoxide Emissions Tons/Yr:	1.244
NOX - Oxides of Nitrogen Tons/Yr:	1.861
SOX - Oxides of Sulphur Tons/Yr:	1.771
Particulate Matter Tons/Yr:	1.793
Part. Matter 10 Micrometers and Smllr Tons/Yr:	1.63326

Name:	KINDER MORGAN LIQUIDS TERMINALS, LLC
Address:	2000 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90810
Year:	2008
County Code:	19
Air Basin:	SC
Facility ID:	800057
Air District Name:	SC
SIC Code:	4226
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	95.24458391713952788
Reactive Organic Gases Tons/Yr:	82.92512546865074192
Carbon Monoxide Emissions Tons/Yr:	1.1
NOX - Oxides of Nitrogen Tons/Yr:	3.5
SOX - Oxides of Sulphur Tons/Yr:	1.551775
Particulate Matter Tons/Yr:	1.008375
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.878815

Name:	GATX RAIL CORP (NSR USE)
Address:	2000 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90810
Year:	2009
County Code:	19
Air Basin:	SC
Facility ID:	800057
Air District Name:	SC
SIC Code:	4226
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	71.533614795171204
Reactive Organic Gases Tons/Yr:	69.195863399999993
Carbon Monoxide Emissions Tons/Yr:	0.92000000000000004
NOX - Oxides of Nitrogen Tons/Yr:	3.4100000000000001
SOX - Oxides of Sulphur Tons/Yr:	1.2163999999999999

TORRANCE LOGISTICS COMPANY (Continued) **S101582614**

Particulate Matter Tons/Yr: 8.9999999999999997E-2
Part. Matter 10 Micrometers and Smllr Tons/Yr: 8.9520000000000002E-2

Name: GATX RAIL CORP (NSR USE)
Address: 2000 E SEPULVEDA BLVD
City,State,Zip: CARSON, CA 90810
Year: 2010
County Code: 19
Air Basin: SC
Facility ID: 800057
Air District Name: SC
SIC Code: 4226
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 89.142826616950899
Reactive Organic Gases Tons/Yr: 87.82723
Carbon Monoxide Emissions Tons/Yr: 1.3633299999999999
NOX - Oxides of Nitrogen Tons/Yr: 2.3775499999999998
SOX - Oxides of Sulphur Tons/Yr: 1.8206599999999999
Particulate Matter Tons/Yr: 0.38341999999999998
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0.23224622

Name: GATX RAIL CORP (NSR USE)
Address: 2000 E SEPULVEDA BLVD
City,State,Zip: CARSON, CA 90810
Year: 2011
County Code: 19
Air Basin: SC
Facility ID: 800057
Air District Name: SC
SIC Code: 4226
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 78.606566522
Reactive Organic Gases Tons/Yr: 77.679692926
Carbon Monoxide Emissions Tons/Yr: 1.8164
NOX - Oxides of Nitrogen Tons/Yr: 3.6204333023
SOX - Oxides of Sulphur Tons/Yr: 1.69568
Particulate Matter Tons/Yr: 0.71268
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0.5461713

Name: KINDER MORGAN LIQUIDS TERMINALS, LLC
Address: 2000 E SEPULVEDA BLVD
City,State,Zip: CARSON, CA 90810
Year: 2012
County Code: 19
Air Basin: SC
Facility ID: 800057
Air District Name: SC
SIC Code: 4226
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 81.838772462
Reactive Organic Gases Tons/Yr: 80.47382

TORRANCE LOGISTICS COMPANY (Continued) **S101582614**

Carbon Monoxide Emissions Tons/Yr:	1.23005
NOX - Oxides of Nitrogen Tons/Yr:	3.37842
SOX - Oxides of Sulphur Tons/Yr:	1.6941
Particulate Matter Tons/Yr:	0.34147
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.3248156

Name:	KINDER MORGAN LIQUIDS TERMINALS, LLC
Address:	2000 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90810
Year:	2013
County Code:	19
Air Basin:	SC
Facility ID:	800057
Air District Name:	SC
SIC Code:	5171
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	79.771083294
Reactive Organic Gases Tons/Yr:	77.16649
Carbon Monoxide Emissions Tons/Yr:	0.03609
NOX - Oxides of Nitrogen Tons/Yr:	0.1536
SOX - Oxides of Sulphur Tons/Yr:	0.00223
Particulate Matter Tons/Yr:	0.01002
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.0098496

Name:	KINDER MORGAN LIQUIDS TERMINALS, LLC
Address:	2000 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90810
Year:	2014
County Code:	19
Air Basin:	SC
Facility ID:	800057
Air District Name:	SC
SIC Code:	4226
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	65.941533206
Reactive Organic Gases Tons/Yr:	60.797265
Carbon Monoxide Emissions Tons/Yr:	1.07042
NOX - Oxides of Nitrogen Tons/Yr:	2.050395
SOX - Oxides of Sulphur Tons/Yr:	0.59529
Particulate Matter Tons/Yr:	0.29645
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.290021605

Name:	KINDER MORGAN LIQUIDS TERMINALS, LLC
Address:	2000 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90810
Year:	2015
County Code:	19
Air Basin:	SC
Facility ID:	800057
Air District Name:	SC
SIC Code:	5171
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported

TORRANCE LOGISTICS COMPANY (Continued) **S101582614**

Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	101.5675712
Reactive Organic Gases Tons/Yr:	93.782651761
Carbon Monoxide Emissions Tons/Yr:	1.08960249
NOX - Oxides of Nitrogen Tons/Yr:	2.148881311
SOX - Oxides of Sulphur Tons/Yr:	0.618311561
Particulate Matter Tons/Yr:	0.302252856
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.2906238468

Name:	KINDER MORGAN LIQUIDS TERMINALS, LLC
Address:	2000 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90810
Year:	2016
County Code:	19
Air Basin:	SC
Facility ID:	800057
Air District Name:	SC
SIC Code:	4226
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	73.26300334
Reactive Organic Gases Tons/Yr:	65.039861953
Carbon Monoxide Emissions Tons/Yr:	0.475594
NOX - Oxides of Nitrogen Tons/Yr:	0.77038625
SOX - Oxides of Sulphur Tons/Yr:	0.19250452
Particulate Matter Tons/Yr:	0.111959
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.108211072

Name:	KINDER MORGAN LIQUIDS TERMINALS, LLC
Address:	2000 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90810
Year:	2017
County Code:	19
Air Basin:	SC
Facility ID:	800057
Air District Name:	SC
SIC Code:	4226
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	75.229017625
Reactive Organic Gases Tons/Yr:	67.099217368
Carbon Monoxide Emissions Tons/Yr:	1.50065
NOX - Oxides of Nitrogen Tons/Yr:	2.17586415
SOX - Oxides of Sulphur Tons/Yr:	0.7280592
Particulate Matter Tons/Yr:	0.519719
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.50014648

Name:	KINDER MORGAN LIQUIDS TERMINALS, LLC
Address:	2000 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90810
Year:	2018
County Code:	19
Air Basin:	SC
Facility ID:	800057
Air District Name:	SC

TORRANCE LOGISTICS COMPANY (Continued) **S101582614**

SIC Code:	4226
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	74.809592481
Reactive Organic Gases Tons/Yr:	66.629851878
Carbon Monoxide Emissions Tons/Yr:	1.6067083
NOX - Oxides of Nitrogen Tons/Yr:	2.580650982
SOX - Oxides of Sulphur Tons/Yr:	0.745134765
Particulate Matter Tons/Yr:	0.52109567
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.5039185021

Name:	KINDER MORGAN LIQUIDS TERMINALS, LLC
Address:	2000 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90810
Year:	2019
County Code:	19
Air Basin:	SC
Facility ID:	800057
Air District Name:	SC
SIC Code:	4226
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	76.296006699
Reactive Organic Gases Tons/Yr:	68.018123675
Carbon Monoxide Emissions Tons/Yr:	1.53879213
NOX - Oxides of Nitrogen Tons/Yr:	1.6242440819
SOX - Oxides of Sulphur Tons/Yr:	0.807081045
Particulate Matter Tons/Yr:	0.429114102
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.41361455815

HAZNET:

Name:	ARB INC.
Address:	2000 E. SEPULVEDA BLVD
Address 2:	Not reported
City,State,Zip:	CARSON, CA 90810
Contact:	DAN SCHUELLER
Telephone:	9496780071
Mailing Name:	Not reported
Mailing Address:	26000 COMMERCENTRE DR
Year:	2016
Gepaid:	CAC002865588
TSD EPA ID:	NVT330010000
CA Waste Code:	291 - Latex waste
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.125
Year:	2016
Gepaid:	CAC002865588
TSD EPA ID:	CAD008252405
CA Waste Code:	214 - Unspecified solvent mixture
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.0575

TORRANCE LOGISTICS COMPANY (Continued) **S101582614**

HWP:

EPA ID:	CAD010715837
Name:	KINDER MORGAN LIQUID TERMINALS LLC
Address:	2000 E SEPULVEDA BLVD
Cleanup Status:	CLOSED
Latitude:	33.80684
Longitude:	-118.2322
Facility Type:	Historical - Non-Operating
Facility Size:	Not reported
Supervisor:	Not reported
Site Code:	Not reported
Senate District:	35
Assembly District:	64
Public Information Officer:	Not reported
Commercial Offsite Facility Types:	Not reported
Quarterly Update:	This facility was also known as GATX Terminal or GATX STorage terminal. Based on file research, this facility was never permitted, and was a Tiered permitted facility. Admin closed out based on this information.
Project Manager Lead:	Not reported
Project Manager:	Not reported
Permit Type:	RCRA
Permit Effective Date:	Not reported
Permit Expiration Date:	Not reported
Calenviroscreen Score:	NA
Total Planned Hours:	Not reported
Total Planned Amount:	Not reported
Total Actual Hours:	Not reported

Closure:

EPA ID:	CAD010715837
Facility Type:	Historical - Non-Operating
Facility Name:	KINDER MORGAN LIQUID TERMINALS LLC
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Size:	Not reported
Facility Status:	CLOSED
Activity Type:	Closure Administrative
Final Date:	Not reported
Type:	RCRA
Title Description:	Never Permitted- Tiered Permitting Facility
Due Date:	Not reported
Comments:	This facility was never permitted, its a tiered permitted facility.
Unit Names:	Unit1
Event Description:	Closure Administrative - ISSUE CLOSURE VERIFICATION
Actual Date:	12/20/2016

Alias:

EPA ID:	CAD010715837
Facility Type:	Historical - Non-Operating
Facility Name:	KINDER MORGAN LIQUID TERMINALS LLC
Facility Status:	CLOSED
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Alias Type:	FRS

TORRANCE LOGISTICS COMPANY (Continued) **S101582614**

Alias: 110002081826

CERS:
Name: KINDER MORGAN LIQUID TERMINALS LLC
Address: 2000 E SEPULVEDA BLVD
City,State,Zip: CARSON, CA 907440000
Site ID: 221859
CERS ID: CAD010715837
CERS Description: Hazardous Waste

Affiliation:
Affiliation Type Desc: Facility Contact
Entity Name: Karina Hankins
Entity Title: Not reported
Affiliation Address: 1100 TOWN AND COUNTRY RDSUITE 700
Affiliation City: ORANGE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 928680000
Affiliation Phone: 7145604887

Affiliation Type Desc: Facility Owner
Entity Name: KINDER MORGAN LIQUIDS TERMINALS LLC
Entity Title: Not reported
Affiliation Address: 1100 TOWN AND COUNTRY RDSUITE 700
Affiliation City: ORANGE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 928680000
Affiliation Phone: 7145604873

Name: KINDER MORGAN LIQUIDS TERMINALS LLC
Address: 2000 E SEPULVEDA BLVD
City,State,Zip: CARSON, CA 90810
Site ID: 395877
CERS ID: 10152171
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 395877
Site Name: KINDER MORGAN LIQUIDS TERMINALS LLC
Violation Date: 05-24-2007
Citation: HSC 6.67 Multiple Sections - California Health and Safety Code, Chapter 6.67, Section(s) Multiple Sections
Violation Description: RCRA Large Quantity Generator Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 05/24/2007.
Violation Division: Los Angeles County Fire Department
Violation Program: HWLQG
Violation Source: CERS

Site ID: 395877
Site Name: KINDER MORGAN LIQUIDS TERMINALS LLC
Violation Date: 12-11-2014
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)

TORRANCE LOGISTICS COMPANY (Continued) **S101582614**

Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 01/07/2015. OBSERVATION: The facility has not submitted the Hazardous Materials Inventory Chemical Description page for nitrogen to the CUPA. CORRECTIVE ACTION: Complete and submit the Hazardous Materials Inventory Chemical Description page within 30 days for all materials listed above electronically in the California Environmental Reporting System (CERS).
Violation Division: Los Angeles County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 01-13-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Review site status, checked CERS, reviewed and accepted, abated in EC, updated log.
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-18-2011
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector Name: Los Angeles County
Eval Division: Los Angeles County Fire Department
Eval Program: HWLQG
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-24-2007
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector Name: LQG INSPECTION
Eval Division: Los Angeles County Fire Department
Eval Program: HWLQG
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-25-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Roger Allyn Giese, Assistant Area Manager No significant violations observed at the time of inspection.
Eval Division: Los Angeles County Fire Department
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-25-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Roger Allyn Giese, Assistant Area Manager No significant violations

TORRANCE LOGISTICS COMPANY (Continued) **S101582614**

observed at the time of inspection.
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-25-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Roger Allyn Giese, Assistant Area Manager No significant violations observed at the time of inspection.
Eval Division: Los Angeles County Fire Department
Eval Program: HWLQG
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-11-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Karina Hankins
Eval Division: Los Angeles County Fire Department
Eval Program: HWLQG
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-11-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Karina Hankins
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Enforcement Action:
Site ID: 395877
Site Name: KINDER MORGAN LIQUIDS TERMINALS LLC
Site Address: 2000 E SEPULVEDA BLVD
Site City: CARSON
Site Zip: 90810
Enf Action Date: 05-24-2007
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: California Environmental Protection Agency
Enf Action Program: HWLQG
Enf Action Source: CERS

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Los Angeles County Fire
Entity Title: Not reported
Affiliation Address: 5825 Rickenbacker Road
Affiliation City: Commerce
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90040-3027

TORRANCE LOGISTICS COMPANY (Continued) **S101582614**

Affiliation Phone:	(323) 890-4000
Affiliation Type Desc:	Document Preparer
Entity Name:	Nathaniel Grace
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1001 Louisiana St., Products EHS Compliance - 8th Floor
Affiliation City:	Houston
Affiliation State:	TX
Affiliation Country:	Not reported
Affiliation Zip:	77002-5089
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Nina McAfee
Entity Title:	EHS Manager Environmental Compliance
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	Kinder Morgan Liquids Terminals, LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(310) 834-2730
Affiliation Type Desc:	Property Owner
Entity Name:	Kinder Morgan Liquids Terminals, LLC
Entity Title:	Not reported
Affiliation Address:	1001 Louisiana Street
Affiliation City:	Houston
Affiliation State:	TX
Affiliation Country:	United States
Affiliation Zip:	77002-5089
Affiliation Phone:	(713) 420-5613
Affiliation Type Desc:	Environmental Contact
Entity Name:	Nathaniel Grace
Entity Title:	Not reported
Affiliation Address:	1001 Louisiana St., Products EHS Compliance - 8th Floor
Affiliation City:	Houston

TORRANCE LOGISTICS COMPANY (Continued) **S101582614**

Affiliation State:	TX
Affiliation Country:	Not reported
Affiliation Zip:	77002-5089
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	Kinder Morgan Liquids Terminals, LLC
Entity Title:	Not reported
Affiliation Address:	1001 Louisiana Street
Affiliation City:	Houston
Affiliation State:	TX
Affiliation Country:	United States
Affiliation Zip:	77002-5089
Affiliation Phone:	(713) 420-5613
Affiliation Type Desc:	Parent Corporation
Entity Name:	KINDER MORGAN LIQUID TERMINALS LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Name:	TORRANCE LOGISTICS COMPANY
Address:	2000 E. SEPULVEDA BLVD UNIT A
City,State,Zip:	CARSON, CA 90810
Site ID:	420936
CERS ID:	10732444
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	420936
Site Name:	Torrance Logistics Company
Violation Date:	11-09-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Returned to compliance on 11/22/2017. OBSERVATION: The business failed to electronically submit and certify that the business plan is complete, accurate, and in compliance with EPCRA on or before the annual due date. Observed the following on site: G Missing required contents(s) on facilityG s Consolidated Emergency Response / Contingency Plan (CER/CP); o Missing local Unified Program Agency G UPA/CUPA contact info (323-890-4317); o Missing info on Section H Earthquake Vulnerability; o Old CER/CP form was used - please use attached Rev. 03/07/17 CER/CP form; G Missing required contents (emergency response equipment, storm and sewer drains, locations of hazardous material handling & storage area, and emergency shutoffs) on facilityG s site map; G Missing facilityG s employee training plan/record; CORRECTIVE ACTION: Electronically submit and certify that the business plan is complete, accurate, and in compliance with EPCRA within 30 days. On an ongoing basis, electronically [Truncated]
Violation Division:	Los Angeles County Fire Department

TORRANCE LOGISTICS COMPANY (Continued) **S101582614**

Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-01-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Renee Nygaard, Environmental Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-09-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Nathan Connely, Safety, Training, and Emergency Response
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 11-22-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Affiliation:
Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 12851 E. 166th Street
Affiliation City: Cerritos
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90703
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: Torrance Logistics Company
Entity Title: Not reported
Affiliation Address: 12851 E. 166th Street
Affiliation City: Cerritos
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90703
Affiliation Phone: (310) 328-5630

Affiliation Type Desc: Parent Corporation
Entity Name: Torrance Pipeline Company, LLC
Entity Title: Not reported
Affiliation Address: Not reported

TORRANCE LOGISTICS COMPANY (Continued) **S101582614**

Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Document Preparer
Entity Name:	Richard Montejano
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Richard Montejano
Entity Title:	Operations Supervisor
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	CUPA District
Entity Name:	Los Angeles County Fire
Entity Title:	Not reported
Affiliation Address:	5825 Rickenbacker Road
Affiliation City:	Commerce
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90040-3027
Affiliation Phone:	(323) 890-4000
Affiliation Type Desc:	Environmental Contact
Entity Name:	Renee Nygaard
Entity Title:	Not reported
Affiliation Address:	12851 E 166th Street
Affiliation City:	Cerritos
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90703
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	Torrance Pipeline Company
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(310) 997-5921

TORRANCE LOGISTICS COMPANY (Continued) **S101582614**

Name: TESORO PIPELINE LINE 7 SPILL
Address: 2000 EAST SEPULVEDA BOULEVARD
City,State,Zip: CARSON, CA 90810
Site ID: 356319
CERS ID: T10000007280
CERS Description: Cleanup Program Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: JESSICA YEUNG - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 West 4th St., Suite 200
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 2135766729

Name: KMLT LLC CARSON TERMINAL
Address: 2000 EAST SEPULVEDA BOULEVARD
City,State,Zip: CARSON, CA 90745
Site ID: 476004
CERS ID: 110002081826
CERS Description: US EPA Air Emission Inventory System (EIS)

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: TOM HOSLER
Entity Title: AREA MANAGER
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: JUNE M CHRISTMAN
Entity Title: Not reported
Affiliation Address: 2000 EAST SEPULVEDA
Affiliation City: LONGBEACH
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: Karina Hankins
Entity Title: Not reported
Affiliation Address: 1100 TOWN AND AMP COUNTRY RD
Affiliation City: ORANGE
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact

TORRANCE LOGISTICS COMPANY (Continued) **S101582614**

Entity Name: JOHNNY THOMASSON
Entity Title: OPERATIONS MANAGER
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Owner
Entity Name: KINDER MORGAN LIQUID TERML
Entity Title: OWNER
Affiliation Address: 1100 TOWN AND COUNTRY RD
Affiliation City: ORANGE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: KINDER MORGAN LIQUIDS TERML LLC
Entity Title: OPERATOR
Affiliation Address: 1100 TOWN AND COUNTRY ROAD
Affiliation City: ORANGE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Property Owner
Entity Name: KINDER MORGAN LIQUIDS TERMINALSNA LLC
Entity Title: Not reported
Affiliation Address: 1100 TOWN AND COUNTRY RD
Affiliation City: ORANGE
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

HWTS:
Name: ARB INC.
Address: 2000 E. SEPULVEDA BLVD
Address 2: Not reported
City,State,Zip: CARSON, CA 90810
EPA ID: CAC002865588
Inactive Date: 09/17/2016
Create Date: 06/17/2016
Last Act Date: 09/17/2016
Mailing Name: Not reported
Mailing Address: 26000 COMMERCENTRE DR
Mailing Address 2: Not reported
Mailing City,State,Zip: LAKE FOREST, CA 92630
Owner Name: ARB INC
Owner Address: 26000 COMMERCENTRE DR
Owner Address 2: Not reported
Owner City,State,Zip: LAKE FOREST, CA 92630

TORRANCE LOGISTICS COMPANY (Continued) **S101582614**

Contact Name: DAN SCHUELLER
Contact Address: 6112 GREENMEADOW RD
Contact Address 2: Not reported
City,State,Zip: LAKEWOOD, CA 90713

I52 **KMEP CARSON TERMINAL (FORMER GATX)** **ENVIROSTOR** **S108402949**
South **2000 E. SEPULVEDA BLVD** **CPS-SLIC** **N/A**
1/2-1 **CARSON, CA 90810** **CHMIRS**
0.546 mi. **LA Co. Site Mitigation**
2884 ft. **Site 3 of 3 in cluster I** **CERS**

Relative:
Higher

Actual:
26 ft.

ENVIROSTOR:

Name:	GATX TANK STORAGE TERM CORP.
Address:	2000 E. SEPULVEDA BOULEVARD
City,State,Zip:	CARSON, CA 90810
Facility ID:	71002322
Status:	Refer: Other Agency
Status Date:	Not reported
Site Code:	Not reported
Site Type:	Tiered Permit
Site Type Detailed:	Tiered Permit
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Not reported
Division Branch:	Cleanup Chatsworth
Assembly:	64
Senate:	35
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.80732
Longitude:	-118.2401
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CAD010715837
Alias Type:	EPA Identification Number
Alias Name:	110002081826
Alias Type:	EPA (FRS #)
Alias Name:	71002322
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	Not reported
Completed Sub Area Name:	Not reported
Completed Document Type:	Not reported
Completed Date:	Not reported
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported

KMEP CARSON TERMINAL (FORMER GATX) (Continued) **S108402949**

Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

CPS-SLIC:

Name:	KMEP CARSON TERMINAL (FORMER GATX)
Address:	2000 E. SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90810
Region:	STATE
Facility Status:	**Open - Remediation**
Status Date:	01/22/2009
Global Id:	SLT43129127
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	33.806202
Longitude:	-118.227262
Case Type:	Cleanup Program Site
Case Worker:	JYL
Local Agency:	Not reported
RB Case Number:	0045
File Location:	Regional Board
Potential Media Affected:	Aquifer used for drinking water supply, Soil
Potential Contaminants of Concern:	MTBE / TBA / Other Fuel Oxygenates, Gasoline
Site History:	The tank storage facility at the site was constructed in 1921 for petroleum storage and is bordered by petroleum processing facilities operated by Tesoro Los Angeles Refinery, ConocoPhillips Los Angeles Plant, and BP Arco Refinery. Site assessment and remediation under Regional Board Cleanup and Abatement Order (CAO) No. 90-152. Responsible Party also participates Carson Regional Groundwater Group's (CRGG) regional groundwater contamination investigation. US EPA and RWQCB established MOU to regulate groundwater contamination matter under RCRA Corrective Action and CAO Order No. 90-152.

Click here to access the California GeoTracker records for this facility:

CHMIRS:

Name:	Not reported
Address:	2000 E SEPULVEDA
City,State,Zip:	CARSON, CA
OES Incident Number:	12-7429
OES notification:	12/05/2012
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported

KMEP CARSON TERMINAL (FORMER GATX) (Continued) **S108402949**

Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Refinery
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Unknown
Other:	Not reported
Date/Time:	1100
Year:	2012
Agency:	Kinder Morgan
Incident Date:	12/5/2012
Admin Agency:	LACoFD Health Haz-Mat
Amount:	Not reported
Contained:	Unknown
Site Type:	Not reported
E Date:	Not reported
Substance:	Water
Quantity Released:	Unknown
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	**Threatened Release ONLY***Caller states there is a pressure drop during a hydro test. They are running test at this time.
Name:	Not reported
Address:	2000 E SEPULVEDA BLVD

KMEP CARSON TERMINAL (FORMER GATX) (Continued) **S108402949**

City,State,Zip:	CARSON, CA
OES Incident Number:	10-0309
OES notification:	01/15/2010
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Industrial Plant
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	N/A
Other:	Not reported
Date/Time:	1200
Year:	2010
Agency:	Kinder Morgan
Incident Date:	1/15/2010
Admin Agency:	LACoFD Health Haz-Mat
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Waste water
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported

KMEP CARSON TERMINAL (FORMER GATX) (Continued) **S108402949**

#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Caller stated the oily waste water from a 3 inch plastic pipe onto the ground and stained the area (approximately 1 FT by 1 FT).It is contained in a tank pad area. Clean-up is completed.
Name:	Not reported
Address:	2000 E. SEPULVEDA BLVD
City,State,Zip:	CARSON, CA
OES Incident Number:	1-3493
OES notification:	06/10/2011
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Other
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Unknown
Other:	Not reported
Date/Time:	1330
Year:	2011
Agency:	Kinder Morgan

KMEP CARSON TERMINAL (FORMER GATX) (Continued) **S108402949**

Incident Date:	6/10/2011
Admin Agency:	LACoFD Health Haz-Mat
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Diesel
Quantity Released:	UNK
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	The caller is reporting a spill on the floor of facility due to a leak from a pipe. The spill is 3 feet by 8 feet.

Name:	Not reported
Address:	2000 E SEPULVEDA
City,State,Zip:	CARSON, CA
OES Incident Number:	08-6829
OES notification:	09/19/2008
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported

KMEP CARSON TERMINAL (FORMER GATX) (Continued) **S108402949**

Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Pipe Line
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	N/A
Other:	Not reported
Date/Time:	0055
Year:	2008
Agency:	Kinder Morgan
Incident Date:	9/19/2008
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Unknown Additive
Quantity Released:	1ft x 7"
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Due to unknown causes, a leak from a containment area went onto the dirt
Name:	Not reported
Address:	2000 E. SEPULVEDA BLVD
City,State,Zip:	CARSON, CA
OES Incident Number:	10-6043
OES notification:	10/07/2010
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported

KMEP CARSON TERMINAL (FORMER GATX) (Continued) **S108402949**

Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Pipe Line
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Unknown
Other:	Not reported
Date/Time:	800
Year:	2010
Agency:	Kinder Morgan
Incident Date:	10/7/2010
Admin Agency:	LACoFD Health Haz-Mat
Amount:	Not reported
Contained:	Unknown
Site Type:	Not reported
E Date:	Not reported
Substance:	Hydro test water
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	The caller is reporting a threatened release due to pressure drop during a hydro test on pipeline.
Name:	Not reported
Address:	2000 E. SEPULVEDA BLVD

KMEP CARSON TERMINAL (FORMER GATX) (Continued) **S108402949**

City,State,Zip:	CARSON, CA
OES Incident Number:	1-3060
OES notification:	05/18/2011
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Other
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Unknown
Other:	Not reported
Date/Time:	1535
Year:	2011
Agency:	Kinder Morgan
Incident Date:	5/18/2011
Admin Agency:	LACoFD Health Haz-Mat
Amount:	Not reported
Contained:	Unknown
Site Type:	Not reported
E Date:	Not reported
Substance:	Jet Fuel
Quantity Released:	UNK
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported

KMEP CARSON TERMINAL (FORMER GATX) (Continued) **S108402949**

#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	The caller is reporting a 2 foot by 8 foot stain on the floor. The cause of the spill is under investigation.
Name:	Not reported
Address:	2000 E. SEPULVEDA BLVD.
City,State,Zip:	CARSON, CA 90810
OES Incident Number:	1-6225
OES notification:	10/18/2011
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Other
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	N/A
Other:	Not reported
Date/Time:	1315
Year:	2011
Agency:	Kinder Morgan

KMEP CARSON TERMINAL (FORMER GATX) (Continued) **S108402949**

Incident Date:	10/18/2011
Admin Agency:	LACoFD Health Haz-Mat
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Crude oily water
Quantity Released:	9' X 20'
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Operator observed stain on surface.

Name:	Not reported
Address:	2000 E. SEPULVEDA
City,State,Zip:	CARSON, CA
OES Incident Number:	10-0924
OES notification:	02/04/2010
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported

KMEP CARSON TERMINAL (FORMER GATX) (Continued) **S108402949**

Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Other
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Unknown
Other:	Not reported
Date/Time:	1110
Year:	2010
Agency:	Kinder Morgan
Incident Date:	2/4/2010
Admin Agency:	LACoFD Health Haz-Mat
Amount:	Not reported
Contained:	Unknown
Site Type:	Not reported
E Date:	Not reported
Substance:	Jet Fuel
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	The caller is reporting a weep from a nipple on a pipe. There is a 1/2 inch stain on floor.
Name:	Not reported
Address:	2000 E SEPULVEDA
City,State,Zip:	CARSON, CA 92868
OES Incident Number:	5-2650
OES notification:	05/03/2005
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported

KMEP CARSON TERMINAL (FORMER GATX) (Continued) **S108402949**

Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2005
Agency:	Kinder Morgan
Incident Date:	5/3/200512:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	Crude
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Seal on pipe flange gave way

LA Co. Site Mitigation:

Name:	GATX TANK STORAGE TERMINAL
Address:	2000 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90810
Facility ID:	FA0024451

KMEP CARSON TERMINAL (FORMER GATX) (Continued) **S108402949**

Status: Not reported
Site ID: SD0011658
Jurisdiction: Not reported
Case ID: RO0011658
Abated: Yes
Assigned To: Not reported
Entered Date: Not reported
Abated Date: 01/01/1998

CERS:
Name: KMEP CARSON TERMINAL (FORMER GATX)
Address: 2000 E. SEPULVEDA BLVD
City,State,Zip: CARSON, CA 90810
Site ID: 202447
CERS ID: SLT43129127
CERS Description: Cleanup Program Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ADNAN SIDDIQUI - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4TH ST., SUITE 200
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

J53 **WILMINGTON COMPLEX** **Notify 65** **S100177976**
WSW **1622 EAST SEPULVEDA BLVD.** **N/A**
1/2-1 **CARSON, CA 90745**
0.605 mi.
3192 ft. **Site 1 of 3 in cluster J**

Relative:
Higher

Actual:
34 ft.

NOTIFY 65:
Name: WILMINGTON COMPLEX
Address: 1622 EAST SEPULVEDA BLVD.
City,State,Zip: CARSON, CA 90745-6120
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Issue Date: Not reported
Incident Description: Not reported
Global ID: Not reported
Status: Not reported

J54 **SHELL OIL** **Notify 65** **S100178234**
WSW **1622 E. SEPULVEDA BLVD.** **N/A**
1/2-1 **CARSON, CA 90745**
0.605 mi.
3192 ft. **Site 2 of 3 in cluster J**

Relative: **Higher**
Actual: **34 ft.**

NOTIFY 65:

Name:	SHELL OIL
Address:	1622 E. SEPULVEDA BLVD.
City,State,Zip:	CARSON, CA 90745-6120
Date Reported:	Not reported
Staff Initials:	Not reported
Board File Number:	Not reported
Facility Type:	Not reported
Discharge Date:	Not reported
Issue Date:	Not reported
Incident Description:	Not reported
Global ID:	Not reported
Status:	Not reported

J55 **WILMINGTON REFINERY - SHELL OIL COMPANY** **ENVIROSTOR** **S100183917**
WSW **1622 EAST SEPULVEDA BLVD** **N/A**
1/2-1 **WILMINGTON, CA 90745**
0.605 mi.
3192 ft. **Site 3 of 3 in cluster J**

Relative: **Higher**
Actual: **34 ft.**

ENVIROSTOR:

Name:	WILMINGTON REFINERY - SHELL OIL COMPANY
Address:	1622 EAST SEPULVEDA BLVD
City,State,Zip:	WILMINGTON, CA 90745
Facility ID:	19290284
Status:	Refer: Other Agency
Status Date:	05/01/1995
Site Code:	Not reported
Site Type:	Historical
Site Type Detailed:	* Historical
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Referred - Not Assigned
Division Branch:	Cleanup Cypress
Assembly:	64
Senate:	35
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.80805
Longitude:	-118.24
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	* HYDROCARBON SOLVENTS * OIL/WATER SEPARATION SLUDGE * ORGANIC LIQUIDS WITH METALS * OTHER ORGANIC SOLIDS * OTHER STILL BOTTOM WASTE * CONTAMINATED SOIL * ACID SOLUTION 2>PH WITH METALS * Sludge - Halogenated Compounds * STILL BOTTOMS WITH HALOGENATED ORGANICS * TANK BOTTOM WASTES * UNSPECIFIED ACID SOLUTION * UNSPECIFIED OIL CONTAINING WASTE * WASTE OIL & MIXED OIL * ORGANIC LIQUIDS (NONSOLVENTS) WITH HALOGENS * TETRAETHYL LEAD SLUDGE Chromium VI

WILMINGTON REFINERY - SHELL OIL COMPANY (Continued) **S100183917**

Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: SHELL OIL - WILMINGTON REFINERY
Alias Type: Alternate Name
Alias Name: CAD980881676
Alias Type: EPA Identification Number
Alias Name: 110000476128
Alias Type: EPA (FRS #)
Alias Name: 19290284
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 12/09/1992
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

K56 **LAGUNA DOMINGEZ OIL SF PORT AR** **FUDS** **1024903573**
South **N/A**
1/2-1 **LOS ANGELES, CA**
0.748 mi.
3951 ft. **Site 1 of 4 in cluster K**

Relative: Higher
Actual: 30 ft.

FUDS:
EPA Region: 9
Installation ID: CA99799F549700
Congressional District Number: 44
Name: LAGUNA DOMINGEZ OIL SF PORT AR
FUDS Number: J09CA0438
City: LOS ANGELES
State: CA
County: LOS ANGELES
Object ID: 725
USACE Division: SPD
USACE District: Los Angeles District (SPL)
Status: Properties without projects
Current Owner: Not reported
EMS Map Link: https://fudsportal.usace.army.mil/ems/ems/inventory/map/map?id=61098
Eligibility: Eligible
Has Projects: No
NPL Status: Not on the NPL
Property History: USED AS SPOILS AREA & FLOOD CONTROL

Project Required: No
Feature Description: Not reported
Latitude: 33.800277780000002
Longitude: -118.233611109999

K57 **LAGUNA DOM OIL SF PL** **ENVIROSTOR** **S107736583**
South **N/A**
1/2-1 **LOS ANGELES, CA**
0.748 mi.
3952 ft. **Site 2 of 4 in cluster K**

Relative:
Higher

Actual:
30 ft.

ENVIROSTOR:

Name:	LAGUNA DOM OIL SF PL
Address:	Not reported
City,State,Zip:	LOS ANGELES, CA
Facility ID:	80000184
Status:	Inactive - Needs Evaluation
Status Date:	07/01/2005
Site Code:	Not reported
Site Type:	Military Evaluation
Site Type Detailed:	FUDS
Acres:	0
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Douglas Bautista
Division Branch:	Cleanup Cypress
Assembly:	64
Senate:	35
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	DERA
Latitude:	33.80027
Longitude:	-118.2336
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CA99799F549700
Alias Type:	Federal Facility ID
Alias Name:	J09CA0438
Alias Type:	INPR
Alias Name:	80000184
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	Not reported
Completed Sub Area Name:	Not reported
Completed Document Type:	Not reported
Completed Date:	Not reported
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

58
NNE
1/2-1
0.756 mi.
3993 ft.

MATLACK, INC.
22422 S. ALAMEDA
LONG BEACH, CA 90810

ENVIROSTOR **S103953325**
SWEEPS UST **N/A**

Relative:
Higher

Actual:
27 ft.

ENVIROSTOR:

Name:	MATLACK, INC.
Address:	22422 S. ALAMEDA
City,State,Zip:	LONG BEACH, CA 90810
Facility ID:	71002109
Status:	Refer: Other Agency
Status Date:	Not reported
Site Code:	Not reported
Site Type:	Tiered Permit
Site Type Detailed:	Tiered Permit
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Not reported
Division Branch:	Cleanup Chatsworth
Assembly:	64
Senate:	35
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.82265
Longitude:	-118.2284
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CAD000625459
Alias Type:	EPA Identification Number
Alias Name:	71002109
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1 Non-Submittal
Completed Date:	07/21/2000
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

SWEEPS UST:

MATLACK, INC. (Continued) **S103953325**

Name: MATLACK INC
Address: 22422 S ALAMEDA
City: LONG BEACH
Status: Active
Comp Number: 67287
Number: 9
Board Of Equalization: 44-013678
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: 4
SWRCB Tank Id: 19-060-067287-000004
Tank Status: A
Capacity: 500
Active Date: 07-01-85
Tank Use: OIL
STG: W
Content: WASTE OIL
Number Of Tanks: Not reported

Name: MATLACK INC
Address: 22422 S ALAMEDA
City: LONG BEACH
Status: Active
Comp Number: 67287
Number: 9
Board Of Equalization: 44-013678
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: 5
SWRCB Tank Id: 19-060-067287-000005
Tank Status: A
Capacity: 5000
Active Date: 07-01-85
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: MATLACK INC
Address: 22422 S ALAMEDA
City: LONG BEACH
Status: Active
Comp Number: 67287
Number: 9
Board Of Equalization: 44-013678
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: 6
SWRCB Tank Id: 19-060-067287-000006
Tank Status: A
Capacity: 5000
Active Date: 07-01-85
Tank Use: UNKNOWN
STG: W

MATLACK, INC. (Continued) **S103953325**

Content: Not reported
Number Of Tanks: Not reported

Name: MATLACK INC
Address: 22422 S ALAMEDA
City: LONG BEACH
Status: Active
Comp Number: 67287
Number: 9
Board Of Equalization: 44-013678
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: 1
SWRCB Tank Id: 19-060-067287-000001
Tank Status: A
Capacity: 6900
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: 6

Name: MATLACK INC
Address: 22422 S ALAMEDA
City: LONG BEACH
Status: Active
Comp Number: 67287
Number: 9
Board Of Equalization: 44-013678
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: 2
SWRCB Tank Id: 19-060-067287-000002
Tank Status: A
Capacity: 6900
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

Name: MATLACK INC
Address: 22422 S ALAMEDA
City: LONG BEACH
Status: Active
Comp Number: 67287
Number: 9
Board Of Equalization: 44-013678
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: 3
SWRCB Tank Id: 19-060-067287-000003
Tank Status: A
Capacity: 8000

MATLACK, INC. (Continued) **S103953325**

Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

K59 **L.A. ORDNANCE DEPOT WILIMINGTON** **ENVIROSTOR** **S107736553**
South **N/A**
1/2-1 **WILMINGTON, CA**
0.757 mi.
3996 ft. **Site 3 of 4 in cluster K**

Relative:
Higher

Actual:
31 ft.

ENVIROSTOR:
Name: L.A. ORDNANCE DEPOT WILIMINGTON
Address: Not reported
City,State,Zip: WILMINGTON, CA
Facility ID: 80001029
Status: Inactive - Needs Evaluation
Status Date: 08/15/2018
Site Code: Not reported
Site Type: Military Evaluation
Site Type Detailed: FUDS
Acres: 20
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Patrick Hsieh
Division Branch: Cleanup Cypress
Assembly: 64
Senate: 35
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: DERA
Latitude: 33.8
Longitude: -118.2330
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CA99799FA42000
Alias Type: Federal Facility ID
Alias Name: J09CA7393
Alias Type: INPR
Alias Name: 80001029
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Munitions Response Site Prioritization Protocol (MRSPP)
Completed Date: 07/16/1999
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported

L.A. ORDNANCE DEPOT WILIMINGTON (Continued) **S107736553**

Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

K60 **MANUEL WAREHOUSE** **ENVIROSTOR** **S107736664**
South **N/A**
1/2-1 **SAN PEDRO, CA**
0.761 mi.
4020 ft. **Site 4 of 4 in cluster K**

Relative:
Higher

Actual:
30 ft.

ENVIROSTOR:
Name: MANUEL WAREHOUSE
Address: Not reported
City,State,Zip: SAN PEDRO, CA
Facility ID: 80001099
Status: Inactive - Needs Evaluation
Status Date: 07/01/2005
Site Code: Not reported
Site Type: Military Evaluation
Site Type Detailed: FUDS
Acres: 0
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Douglas Bautista
Division Branch: Cleanup Cypress
Assembly: 64
Senate: 35
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: DERA
Latitude: 33.8
Longitude: -118.2333
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CA99799FA42600
Alias Type: Federal Facility ID
Alias Name: J09CA7399
Alias Type: INPR
Alias Name: 80001099
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Inventory Project Report (INPR)
Completed Date: 07/16/1999
Comments: Not reported

MANUEL WAREHOUSE (Continued) **S107736664**

Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

L61 **SGS INDUSTRIAL** **DEED** **S113094054**
SW **1520 E SEPULVEDA** **HAZNET** **N/A**
1/2-1 **CARSON, CA 90749** **ICE**
0.794 mi. **HWP**
4194 ft. **Site 1 of 3 in cluster L** **HWTS**

Relative:
Higher

Actual:
39 ft.

DEED:

Name:	PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 907450000
Envirostor ID:	CAD980881676
Area:	Not reported
Sub Area:	Not reported
Site Type:	POST CLOSURE PERMIT
Status:	POST CLOSURE PERMIT
Agency:	Not reported
Covenant Uploaded:	Not reported
Deed Date(s):	08/23/2013
File Name:	Envirostor Land Use Restrictions

Name:	PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 907450000
Envirostor ID:	CAD980881676
Area:	Not reported
Sub Area:	Not reported
Site Type:	POST CLOSURE PERMIT
Status:	POST CLOSURE PERMIT
Agency:	Not reported
Covenant Uploaded:	Not reported
Deed Date(s):	08/23/2013
File Name:	Envirostor Land Use Restrictions

HAZNET:

Name:	SGS INDUSTRIAL
Address:	1520 E SEPULVEDA
Address 2:	Not reported
City,State,Zip:	CARSON, CA 907496206
Contact:	JAMES LOPEZ
Telephone:	--
Mailing Name:	Not reported
Mailing Address:	1655 E 28TH ST
Year:	1996
Gepaid:	CAL000177996
TSD EPA ID:	CAD108040858
CA Waste Code:	541 - Photochemicals/photoprocessing waste

SGS INDUSTRIAL (Continued) **S113094054**

Disposal Method: R01 - Recycler
Tons: 0.1584

Additional Info:
Year: 1996
Gen EPA ID: CAL000177996

Shipment Date: 19960709
Creation Date: 5/20/1997 0:00:00
Receipt Date: 19960709
Manifest ID: 96121833
Trans EPA ID: CAD108040858
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD108040858
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 541 - Photochemicals / photo processing waste
RCRA Code: D011
Meth Code: R01 - Recycler
Quantity Tons: 0.1584
Waste Quantity: 38
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

ICE:
Envirostor ID: 3001174
Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Address: 1520 E SEPULVEDA BLVD
City,State,Zip: CARSON, CA 90745
EPA ID: CAD980881676
Site Type: INSPECTION
Facility Status: No Action

Enforcement:
Action Type: Consent Order with Enforcement and Settlement - Federal CA/FO (385)
Action Date: 09/28/2005

Action Type: Consent Order with Enforcement and Settlement - Federal CA/FO (385)
Action Date: 04/30/2008

Inspection:
Action Type: Operation and Maintenance - Treatment, Storage and Disposal
Action Date: 04/03/2002
Violation Class: Class 1, Minor
RTC Date: 12/22/2004

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 01/19/2000

SGS INDUSTRIAL (Continued) **S113094054**

Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 01/23/2002
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Post-Closure
Action Date: 08/19/2009
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Post-Closure
Action Date: 07/28/2009
Violation Class: Minor
RTC Date: 08/03/2009

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 05/14/2004
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 11/14/2000
Violation Class: Minor
RTC Date: 11/15/2000

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 06/30/2006
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 12/19/2007
Violation Class: Class 1
RTC Date: 01/30/2008

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 12/17/2003
Violation Class: Minor
RTC Date: 12/18/2003

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 03/21/2006
Violation Class: Minor
RTC Date: 03/22/2006

Action Type: Financial Records Review - Post-Closure
Action Date: 02/07/2008
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 06/30/1999
Violation Class: No Violations
RTC Date: Not reported

SGS INDUSTRIAL (Continued) **S113094054**

Action Type: Compliance Evaluation Inspection - Post-Closure
Action Date: 06/20/2012
Violation Class: Minor
RTC Date: 09/14/2012

Action Type: Financial Records Review - Post-Closure
Action Date: 08/14/2012
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 05/05/2015
Violation Class: Class 2, Minor
RTC Date: 05/28/2015

Action Type: Financial Records Review - Post-Closure
Action Date: 07/09/2015
Violation Class: No Violations
RTC Date: Not reported

Action Type: Focused Compliance Inspection - Treatment, Storage and Disposal
Action Date: 10/08/2015
Violation Class: Class 2, Minor
RTC Date: 10/27/2015

Action Type: Financial Records Review - Post-Closure
Action Date: 06/06/2018
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Post-Closure
Action Date: 05/30/2018
Violation Class: No Violations
RTC Date: Not reported

Action Type: Focused Compliance Inspection - Post-Closure
Action Date: 10/08/2020
Violation Class: No Violations
RTC Date: Not reported

HWP:
EPA ID: CAD980881676
Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Address: 1520 E SEPULVEDA BLVD
Cleanup Status: POST CLOSURE PERMIT
Latitude: 33.80400
Longitude: -118.2436
Facility Type: Post-Closure Permitted
Facility Size: Large Postclosure
Supervisor: MUZHDA FEROUZ
Site Code: 400277
Senate District: 35
Assembly District: 64
Public Information Officer: Not reported
Commercial Offsite Facility Types: Not reported
Quarterly Update: QUARTERLY UPDATE Quarterly Update Period: July - September 2019

SGS INDUSTRIAL (Continued) **S113094054**

Current Activity: Permit Maintenance The new permit was signed and made effective on August 15, 2019 after the response to comments and the appeals period. ----------
Quarterly Update Period: April - June 2019 Current Activity: Permit Renewal Application The public notice of Draft Permit Decision began on April 4 and continued through May 2019. A public meeting and hearing were held on May 8, 2019 in Carson; no one from the public attended the hearing and meeting. One comment was received. A response to comments was prepared, minor modifications to the permit were made, and the final permit was signed on June 24, 2019 with an August 15, 2019 effective date allowing time for appeals.
---------- Quarterly Update Period: January-March 2019 Current Activity: Permit Renewal Application DTSC issued the Application Technical Completeness letter on March 29, 2019. The public notice of Draft Permit Decision will begin on April 4 and continue through May 2019. A public meeting and hearing will be held on May 8, 2019 in Carson to discuss the Draft Permit Decision.
---------- Quarterly Update Period: October- December 2018 Current Activity: Permit Renewal Application Phillips 66 submitted the response to the second Notice of Deficiency in December. DTSC continues to review the application. ----------
Quarterly Update Period: July - September 2018 Current Activity: Permit Renewal The final response to the first NOD was received in August. The technical review of the application is continuing.
---------- Quarterly Update Period: April - June 2018 Current Activity: Permit Renewal Additional response to the first NOD was supplied on June 29, 2018, and the final application revisions are due on August 15. ---------- Quarterly Update Period: January - March 2018 Current Activity: Permit Renewal The technical review of the permit application continued and t

Project Manager Lead:	PARAMPREET BHATTI
Project Manager:	Not reported
Permit Type:	RCRA
Permit Effective Date:	08/15/2019 (PC),
Permit Expiration Date:	08/14/2029 (PC),
Calenviroscreen Score:	NA
Total Planned Hours:	Not reported
Total Planned Amount:	Not reported
Total Actual Hours:	Not reported

Activities:

EPA ID:	CAD980881676
Facility Type:	Post-Closure Permitted
Facility Name:	PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager:	Not reported
Project Manager Lead:	PARAMPREET BHATTI
Supervisor:	MUZHDA FEROUZ
Facility Status:	POST CLOSURE PERMIT + PC UNIT
Activity Type:	PC Renewal PC - No Changes
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	2019-06-24 00:00:00
Type:	RCRA
Title Description:	Post Closure 2
Due Date:	05/26/2017
Comments:	Not reported
Unit Names:	SURFIMP1 (GPRA Unit)
Event Description:	PC Renewal PC - No Changes - APPLICATION PART B RECEIVED

SGS INDUSTRIAL (Continued) **S113094054**

Actual Date: 04/27/2017

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: *Mod Class 1* - Prior Approval Required
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2013-03-05 00:00:00
Type: RCRA
Title Description: Change of Ownership
Due Date: Not reported
Comments: Not reported
Unit Names: Not reported
Event Description: *Mod Class 1* - Prior Approval Required - FINAL PERMIT MODIFICATION
Actual Date: 03/05/2013

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1993-12-20 00:00:00
Type: RCRA
Title Description: Initial Operating Permit "SURFIMP1" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Operating Permit - RESPONSE TO 2ND NOD RECEIVED
Actual Date: 07/21/1991

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1993-12-20 00:00:00
Type: RCRA
Title Description: New application for a new permit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Operating Permit - FINAL PERMIT

SGS INDUSTRIAL (Continued) **S113094054**

Actual Date: 12/20/1993

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1993-12-20 00:00:00
Type: RCRA
Title Description: Initial Operating Permit "SURFIMP1" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Operating Permit - FINAL PERMIT (EFFECTIVE)
Actual Date: 12/20/1993

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1993-12-20 00:00:00
Type: RCRA
Title Description: Initial Operating Permit "SURFIMP1" Unit
Due Date: 06/10/1993
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Operating Permit - DRAFT PERMIT
Actual Date: 06/10/1993

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1993-12-20 00:00:00
Type: RCRA
Title Description: Initial Operating Permit "SURFIMP1" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Operating Permit - 1ST NOTICE OF DEFICIENCY ISSUED

SGS INDUSTRIAL (Continued) **S113094054**

Actual Date: 05/16/1991

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: *PC Mod Class 1* - Prior Approval Required
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2013-03-05 00:00:00
Type: RCRA
Title Description: Permit Maintenance
Due Date: Not reported
Comments: Not reported
Unit Names: Not reported
Event Description: *PC Mod Class 1* - Prior Approval Required - FINAL POST-CLOSURE PERMIT MODIFICATION
Actual Date: 03/05/2013

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2019-06-24 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: 05/27/2017
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: PC Renewal PC - No Changes - INITIAL ADMINISTRATIVE REVIEW COMPLETED
Actual Date: 05/25/2017

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2019-06-24 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)

SGS INDUSTRIAL (Continued) **S113094054**

Event Description: PC Renewal PC - No Changes - PUBLIC COMMENT (PUBLIC HEARING)
Actual Date: 05/08/2019

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2019-06-24 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: 01/14/2019
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: PC Renewal PC - No Changes - DRAFT POST-CLOSURE PERMIT
Actual Date: 03/29/2019

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1993-12-20 00:00:00
Type: RCRA
Title Description: Initial Operating Permit "SURFIMP1" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Operating Permit - FINAL PERMIT
Actual Date: 12/20/1993

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2019-06-24 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: Not reported
Comments: Discussed with the facility regarding the upcoming post closure permit renewal application and the fee for service charges.

SGS INDUSTRIAL (Continued) **S113094054**

Unit Names: SURFIMP1 (GPRA Unit)
Event Description: PC Renewal PC - No Changes - DTSC MEETING WITH APPLICANT
Actual Date: 12/01/2016

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1993-12-20 00:00:00
Type: RCRA
Title Description: Initial Operating Permit "SURFIMP1" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Operating Permit - CALL-IN LETTER ISSUED
Actual Date: 12/19/1990

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2019-06-24 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: 12/01/2015
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: PC Renewal PC - No Changes - CALL-IN LETTER ISSUED
Actual Date: 12/01/2015

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2019-06-24 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: 09/25/2018
Comments: Not reported

SGS INDUSTRIAL (Continued) **S113094054**

Unit Names: SURFIMP1 (GPRA Unit)
Event Description: PC Renewal PC - No Changes - 2ND NOTICE OF DEFICIENCY ISSUED
Actual Date: 10/03/2018

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1993-12-20 00:00:00
Type: RCRA
Title Description: Initial Operating Permit "SURFIMP1" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Operating Permit - PUBLIC COMMENT (BEGIN)
Actual Date: 06/10/1993

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2019-06-24 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: 11/30/2018
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: PC Renewal PC - No Changes - TECHNICAL REVIEW COMPLETED
Actual Date: 01/09/2019

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1993-12-20 00:00:00
Type: RCRA
Title Description: Initial Operating Permit "SURFIMP1" Unit
Due Date: 01/20/1991
Comments: Not reported

SGS INDUSTRIAL (Continued) **S113094054**

Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Operating Permit - APPLICATION PART B RECEIVED
Actual Date: 12/21/1990

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1993-12-20 00:00:00
Type: RCRA
Title Description: Initial Operating Permit "SURFIMP1" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Operating Permit - 2ND NOTICE OF DEFICIENCY ISSUED
Actual Date: 07/13/1991

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2019-06-24 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: 12/20/2017
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: PC Renewal PC - No Changes - 1ST NOTICE OF DEFICIENCY ISSUED
Actual Date: 02/05/2018

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2019-06-24 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: 12/15/2018
Comments: NOE for Draft CEQA

SGS INDUSTRIAL (Continued) **S113094054**

Unit Names: SURFIMP1 (GPRA Unit)
Event Description: PC Renewal PC - No Changes - DRAFT CEQA
Actual Date: 12/15/2018

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: *Mod Class 1* - Prior Approval Required
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2013-03-05 00:00:00
Type: RCRA
Title Description: Change of Ownership
Due Date: Not reported
Comments: Not reported
Unit Names: Not reported
Event Description: *Mod Class 1* - Prior Approval Required - FINAL PERMIT MODIFICATION (EXPIRES)
Actual Date: 07/26/2017

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: *Mod Class 1* - Prior Approval Required
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2013-03-05 00:00:00
Type: RCRA
Title Description: Change of Ownership
Due Date: Not reported
Comments: Not reported
Unit Names: Not reported
Event Description: *Mod Class 1* - Prior Approval Required - FINAL PERMIT MODIFICATION (EFFECTIVE)
Actual Date: 04/08/2013

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2019-06-24 00:00:00
Type: RCRA
Title Description: Post Closure 2

SGS INDUSTRIAL (Continued) **S113094054**

Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: PC Renewal PC - No Changes - PUBLIC COMMENT (PUBLIC MEETING)
Actual Date: 05/08/2019

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2019-06-24 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: 02/25/2019
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: PC Renewal PC - No Changes - FINAL POST-CLOSURE PERMIT
Actual Date: 06/24/2019

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1993-12-20 00:00:00
Type: RCRA
Title Description: Initial Operating Permit "SURFIMP1" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Operating Permit - RESPONSE TO 1ST NOD RECEIVED
Actual Date: 06/14/1991

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1993-12-20 00:00:00
Type: RCRA
Title Description: New application for a new permit

SGS INDUSTRIAL (Continued) **S113094054**

Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Operating Permit - CALL-IN LETTER ISSUED
Actual Date: 01/08/1992

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1993-12-20 00:00:00
Type: RCRA
Title Description: Initial Operating Permit "SURFIMP1" Unit
Due Date: Not reported
Comments: This facility resubmitted the permit application again. See the next screen. TH
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Operating Permit - FINAL PART A & PART B RECEIVED
Actual Date: 10/16/1991

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1993-12-20 00:00:00
Type: RCRA
Title Description: New application for a new permit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Operating Permit - FINAL PART A & PART B RECEIVED
Actual Date: 03/23/1993

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1993-12-20 00:00:00
Type: RCRA

SGS INDUSTRIAL (Continued) **S113094054**

Title Description: New application for a new permit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Operating Permit - PUBLIC COMMENT (BEGIN)
Actual Date: 06/10/1993

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2019-06-24 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: 09/30/2017
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: PC Renewal PC - No Changes - PUBLIC NOTICE - POST-CLOSURE PERMIT RECEIVED
Actual Date: 10/12/2017

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2019-06-24 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: 10/25/2018
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: PC Renewal PC - No Changes - RESPONSE TO 2ND NOD RECEIVED
Actual Date: 12/15/2018

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: *PC Mod Class 1* - Prior Approval Required
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2013-03-05 00:00:00

SGS INDUSTRIAL (Continued) **S113094054**

Type: RCRA
Title Description: Permit Maintenance
Due Date: Not reported
Comments: Not reported
Unit Names: Not reported
Event Description: *PC Mod Class 1* - Prior Approval Required - FINAL POST-CLOSURE PERMIT MODIFICATION (EFFECTIVE)
Actual Date: 03/05/2013

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2019-06-24 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: 11/30/2018
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: PC Renewal PC - No Changes - FINAL PART A & PART B RECEIVED
Actual Date: 12/15/2018

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2019-06-24 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: PC Renewal PC - No Changes - PUBLIC COMMENT (END)
Actual Date: 05/22/2019

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported

SGS INDUSTRIAL (Continued) **S113094054**

Final Date:	2019-06-24 00:00:00
Type:	RCRA
Title Description:	Post Closure 2
Due Date:	12/15/2018
Comments:	Not reported
Unit Names:	SURFIMP1 (GPRA Unit)
Event Description:	PC Renewal PC - No Changes - PUBLIC COMMENT (BEGIN)
Actual Date:	04/04/2019
EPA ID:	CAD980881676
Facility Type:	Post-Closure Permitted
Facility Name:	PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager:	Not reported
Project Manager Lead:	PARAMPREET BHATTI
Supervisor:	MUZHDA FEROUZ
Facility Status:	POST CLOSURE PERMIT + PC UNIT
Activity Type:	PC Renewal PC - No Changes
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	2019-06-24 00:00:00
Type:	RCRA
Title Description:	Post Closure 2
Due Date:	Not reported
Comments:	Not reported
Unit Names:	SURFIMP1 (GPRA Unit)
Event Description:	PC Renewal PC - No Changes - FINAL POST-CLOSURE PERMIT (EXPIRES)
Actual Date:	08/14/2029
EPA ID:	CAD980881676
Facility Type:	Post-Closure Permitted
Facility Name:	PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager:	Not reported
Project Manager Lead:	PARAMPREET BHATTI
Supervisor:	MUZHDA FEROUZ
Facility Status:	POST CLOSURE PERMIT + PC UNIT
Activity Type:	PC Renewal PC - No Changes
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	2019-06-24 00:00:00
Type:	RCRA
Title Description:	Post Closure 2
Due Date:	05/27/2017
Comments:	Not reported
Unit Names:	SURFIMP1 (GPRA Unit)
Event Description:	PC Renewal PC - No Changes - TECHNICAL REVIEW BEGIN
Actual Date:	05/27/2017
EPA ID:	CAD980881676
Facility Type:	Post-Closure Permitted
Facility Name:	PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager:	Not reported
Project Manager Lead:	PARAMPREET BHATTI
Supervisor:	MUZHDA FEROUZ
Facility Status:	POST CLOSURE PERMIT + PC UNIT
Activity Type:	PC Renewal PC - No Changes
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported

SGS INDUSTRIAL (Continued) **S113094054**

Final Date: 2019-06-24 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: 02/25/2019
Comments: NOE sent to CEQA for filing
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: PC Renewal PC - No Changes - CEQA DETERMINATION
Actual Date: 08/20/2019

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1993-12-20 00:00:00
Type: RCRA
Title Description: New application for a new permit
Due Date: 04/20/1992
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Operating Permit - APPLICATION PART B RECEIVED
Actual Date: 03/21/1992

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2019-06-24 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: 05/27/2017
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: PC Renewal PC - No Changes - ADMINISTRATIVE REVIEW APPROVED
Actual Date: 05/25/2017

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported

SGS INDUSTRIAL (Continued) **S113094054**

Final Date: 2019-06-24 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: 05/26/2017
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: PC Renewal PC - No Changes - APPLICATION PART A RECEIVED
Actual Date: 04/27/2017

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: *PC Mod Class 1* - Prior Approval Required
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2013-03-05 00:00:00
Type: RCRA
Title Description: Permit Maintenance
Due Date: Not reported
Comments: Not reported
Unit Names: Not reported
Event Description: *PC Mod Class 1* - Prior Approval Required - FINAL POST-CLOSURE PERMIT MODIFICATION (EXPIRES)
Actual Date: 11/26/2017

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2019-06-24 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: 12/15/2018
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: PC Renewal PC - No Changes - TECHNICAL COMPLETE LETTER
Actual Date: 03/29/2019

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported

SGS INDUSTRIAL (Continued) **S113094054**

Permit Being Modified: Not reported
Final Date: 1993-12-20 00:00:00
Type: RCRA
Title Description: New application for a new permit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Operating Permit - DRAFT PERMIT
Actual Date: 06/10/1993

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1993-12-20 00:00:00
Type: RCRA
Title Description: New application for a new permit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Operating Permit - RESPONSE TO 1ST NOD RECEIVED
Actual Date: 11/13/1992

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1993-12-20 00:00:00
Type: RCRA
Title Description: New application for a new permit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Operating Permit - PUBLIC COMMENT (PUBLIC HEARING)
Actual Date: 07/28/1993

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported

SGS INDUSTRIAL (Continued) **S113094054**

Permit Being Modified: Not reported
Final Date: 1993-12-20 00:00:00
Type: RCRA
Title Description: Initial Operating Permit "SURFIMP1" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Operating Permit - FINAL PERMIT (EXPIRES)
Actual Date: 12/20/2003

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1993-12-20 00:00:00
Type: RCRA
Title Description: New application for a new permit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Operating Permit - FINAL PERMIT (EXPIRES)
Actual Date: 01/27/2004

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2019-06-24 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: 02/25/2018
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: PC Renewal PC - No Changes - RESPONSE TO 1ST NOD RECEIVED
Actual Date: 08/15/2018

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: Not reported

SGS INDUSTRIAL (Continued) **S113094054**

Permit Being Modified: Not reported
Final Date: 2019-06-24 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: PC Renewal PC - No Changes - FINAL POST-CLOSURE PERMIT (EFFECTIVE)
Actual Date: 08/15/2019

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1993-12-20 00:00:00
Type: RCRA
Title Description: Initial Operating Permit "SURFIMP1" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Operating Permit - PUBLIC COMMENT (END)
Actual Date: 07/25/1993

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1993-12-20 00:00:00
Type: RCRA
Title Description: Initial Operating Permit "SURFIMP1" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Operating Permit - 3RD NOTICE OF DEFICIENCY ISSUED
Actual Date: 09/12/1991

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported

SGS INDUSTRIAL (Continued) **S113094054**

Permit Being Modified: Not reported
Final Date: 1993-12-20 00:00:00
Type: RCRA
Title Description: New application for a new permit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Operating Permit - APPLICATION PART A RECEIVED
Actual Date: 03/13/1992

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2019-06-24 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: 01/31/2019
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: PC Renewal PC - No Changes - FINAL CEQA
Actual Date: 08/20/2019

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1993-12-20 00:00:00
Type: RCRA
Title Description: New application for a new permit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Operating Permit - FINAL PERMIT (EFFECTIVE)
Actual Date: 01/27/1994

Closure:
EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNIT

SGS INDUSTRIAL (Continued) **S113094054**

Activity Type: New Post-Closure Permit
Final Date: 2007-10-25 00:00:00
Type: RCRA
Title Description: Post Closure Permit for "SURFIMP1" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Post-Closure Permit - FINAL POST-CLOSURE PERMIT (EXPIRES)
Actual Date: 11/26/2017

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Post-Closure Permit
Final Date: 2007-10-25 00:00:00
Type: RCRA
Title Description: Post Closure Permit for "SURFIMP1" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Post-Closure Permit - PUBLIC COMMENT (PUBLIC MEETING)
Actual Date: 09/11/2007

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: Closure Final
Final Date: Not reported
Type: RCRA
Title Description: Closure of "SURFIMP1" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: Closure Final - CLOSURE PLAN APPROVED
Actual Date: 04/11/1996

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: Closure Final
Final Date: Not reported
Type: RCRA

SGS INDUSTRIAL (Continued) **S113094054**

Title Description: Closure of "SURFIMP1" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: Closure Final - ISSUE CLOSURE VERIFICATION
Actual Date: 04/26/1999

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Post-Closure Permit
Final Date: 2007-10-25 00:00:00
Type: RCRA
Title Description: Post Closure Permit for "SURFIMP1" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Post-Closure Permit - APPLICATION PART A RECEIVED
Actual Date: 12/07/1999

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Post-Closure Permit
Final Date: 2007-10-25 00:00:00
Type: RCRA
Title Description: Post Closure Permit for "SURFIMP1" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Post-Closure Permit - FINAL PART A & PART B RECEIVED
Actual Date: 08/15/2007

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Post-Closure Permit
Final Date: 2007-10-25 00:00:00
Type: RCRA
Title Description: Post Closure Permit for "SURFIMP1" Unit
Due Date: Not reported
Comments: Not reported

SGS INDUSTRIAL (Continued) **S113094054**

Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Post-Closure Permit - FINAL POST-CLOSURE PERMIT (EFFECTIVE)
Actual Date: 11/27/2007

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Post-Closure Permit
Final Date: 2007-10-25 00:00:00
Type: RCRA
Title Description: Post Closure Permit for "SURFIMP1" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Post-Closure Permit - PUBLIC COMMENT (END)
Actual Date: 10/07/2007

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Post-Closure Permit
Final Date: 2007-10-25 00:00:00
Type: RCRA
Title Description: Post Closure Permit for "SURFIMP1" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Post-Closure Permit - FINAL POST-CLOSURE PERMIT
Actual Date: 10/25/2007

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Post-Closure Permit
Final Date: 2007-10-25 00:00:00
Type: RCRA
Title Description: Post Closure Permit for "SURFIMP1" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Post-Closure Permit - INITIAL ADMINISTRATIVE REVIEW COMPLETED
Actual Date: 09/27/1999

SGS INDUSTRIAL (Continued) **S113094054**

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Post-Closure Permit
Final Date: 2007-10-25 00:00:00
Type: RCRA
Title Description: Post Closure Permit for "SURFIMP1" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Post-Closure Permit - 1ST NOTICE OF DEFICIENCY ISSUED
Actual Date: 01/11/2007

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Post-Closure Permit
Final Date: 2007-10-25 00:00:00
Type: RCRA
Title Description: Post Closure Permit for "SURFIMP1" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Post-Closure Permit - 2ND NOTICE OF DEFICIENCY ISSUED
Actual Date: 03/14/2007

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Post-Closure Permit
Final Date: 2007-10-25 00:00:00
Type: RCRA
Title Description: Post Closure Permit for "SURFIMP1" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Post-Closure Permit - PUBLIC COMMENT (BEGIN)
Actual Date: 08/23/2007

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT

SGS INDUSTRIAL (Continued) **S113094054**

Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Post-Closure Permit
Final Date: 2007-10-25 00:00:00
Type: RCRA
Title Description: Post Closure Permit for "SURFIMP1" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Post-Closure Permit - APPLICATION PART B RECEIVED
Actual Date: 07/26/1999

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Post-Closure Permit
Final Date: 2007-10-25 00:00:00
Type: RCRA
Title Description: Post Closure Permit for "SURFIMP1" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Post-Closure Permit - CALL-IN LETTER ISSUED
Actual Date: 04/26/1999

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Post-Closure Permit
Final Date: 2007-10-25 00:00:00
Type: RCRA
Title Description: Post Closure Permit for "SURFIMP1" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Post-Closure Permit - CEQA DETERMINATION
Actual Date: 10/25/2007

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ

SGS INDUSTRIAL (Continued) **S113094054**

Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Post-Closure Permit
Final Date: 2007-10-25 00:00:00
Type: RCRA
Title Description: Post Closure Permit for "SURFIMP1" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Post-Closure Permit - DRAFT POST-CLOSURE PERMIT
Actual Date: 08/23/2007

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: Closure Final
Final Date: Not reported
Type: RCRA
Title Description: Closure of "SURFIMP1" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: Closure Final - CLOSURE PLAN RECEIVED
Actual Date: 04/28/1995

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: Closure Final
Final Date: Not reported
Type: RCRA
Title Description: Closure of "SURFIMP1" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: Closure Final - CLOSURE NOTICE RECEIVED
Actual Date: 12/18/1995

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: Closure Final

SGS INDUSTRIAL (Continued) **S113094054**

Final Date: Not reported
Type: RCRA
Title Description: Closure of "SURFIMP1" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: Closure Final - PUBLIC COMMENT (BEGIN)
Actual Date: 01/08/1996

Maint:
EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Title: Groundwater Monitoring Report
Document Type: Monitoring Report - Groundwater
Receive Date: 05/08/2017
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Title: Groundwater Monitoring Report
Document Type: Monitoring Report - Groundwater
Receive Date: 03/22/2011
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Title: Groundwater Monitoring Report
Document Type: Monitoring Report - Groundwater
Receive Date: 09/06/2011
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Due Date: 05/19/2011

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Title: Groundwater Monitoring Report
Document Type: Monitoring Report - Groundwater
Receive Date: 09/30/2011
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Due Date: 08/25/2011

SGS INDUSTRIAL (Continued) **S113094054**

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Title: Groundwater Monitoring Report
Document Type: Monitoring Report - Groundwater
Receive Date: 02/28/2012
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Due Date: 02/26/2012

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Title: Groundwater Monitoring Report
Document Type: Monitoring Report - Groundwater
Receive Date: 05/29/2012
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Title: Groundwater Monitoring Report
Document Type: Monitoring Report - Groundwater
Receive Date: 09/03/2013
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Due Date: 06/14/2013

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Title: Groundwater Monitoring Report
Document Type: Monitoring Report - Groundwater
Receive Date: 05/08/2017
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Title: Groundwater Monitoring Report
Document Type: Monitoring Report - Groundwater
Receive Date: 01/13/2014
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ

SGS INDUSTRIAL (Continued) **S113094054**

Facility Status: POST CLOSURE PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Title: Groundwater Monitoring Report
Document Type: Monitoring Report - Groundwater
Receive Date: 11/06/2014
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Title: Groundwater Monitoring Report
Document Type: Monitoring Report - Groundwater
Receive Date: 09/21/2015
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Title: Groundwater Monitoring Report
Document Type: Monitoring Report - Groundwater
Receive Date: 09/21/2015
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Title: Groundwater Monitoring Report
Document Type: Monitoring Report - Groundwater
Receive Date: 03/15/2016
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Title: Groundwater Monitoring Report
Document Type: Monitoring Report - Groundwater
Receive Date: 04/20/2018

SGS INDUSTRIAL (Continued) **S113094054**

Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Due Date: 03/22/2018

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Title: Quarterly Ground Water Monitoring Report 1st Q 2018
Document Type: Monitoring Report - Groundwater
Receive Date: 04/26/2018
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Due Date: 05/26/2018

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Title: Semi-Annual Ground Water Monitoring Report Spring 2018
Document Type: Monitoring Report - Groundwater
Receive Date: 02/11/2019
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Title: Land Use Covenant Annual Inspection and Compliance Report for the Closed Process Water Pond
Document Type: Deed Restriction / LUC Monitoring Report
Receive Date: 03/08/2018
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Title: Semiannual Groundwater Monitoring Report
Document Type: Monitoring Report - Groundwater
Receive Date: 02/20/2018
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Due Date: 03/22/2018

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted

SGS INDUSTRIAL (Continued) **S113094054**

Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Title: Land Use Covenant Annual Inspection and Compliance Report for the Closed Process Water Pond
Document Type: Deed Restriction / LUC Monitoring Report
Receive Date: 03/01/2019
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Title: Quarterly CAO Progress Report
Document Type: Monitoring Report - Other
Receive Date: 01/29/2019
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Title: Semi-Annual Grond Water Monitoring Report Fall 2018
Document Type: Monitoring Workplan - Groundwater
Receive Date: 06/10/2019
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Title: Review Facility revisions on the draft LUC
Document Type: Deed Restriction / LUC Issued
Receive Date: 08/23/2013
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Title: 2018 2nd Quarter CAO Report
Document Type: Certification Documents from Facility
Receive Date: 07/25/2018
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT

SGS INDUSTRIAL (Continued) **S113094054**

Due Date: Not reported

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Title: Identification/verification of comp fuels Facilities - Three Oil Bearing Storage Tanks
Document Type: File Review Request
Receive Date: 07/30/2015
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Title: Land Use Covenant Annual Inspection and Compliance Report for the Closed Process Water Pond
Document Type: Deed Restriction / LUC Monitoring Report
Receive Date: 03/01/2016
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Title: Semiannual Groundwater Monitoring Report
Document Type: Monitoring Workplan - Groundwater
Receive Date: 05/08/2017
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Title: 2019 2nd Quarter CAO progress
Document Type: Monitoring Report - Groundwater
Receive Date: 12/30/2019
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Title: 2019 Fall Semi-Annual GWM Progress Report
Document Type: Monitoring Report - Groundwater

SGS INDUSTRIAL (Continued) **S113094054**

Receive Date: 04/21/2020
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Due Date: 05/21/2020

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Title: 2019 1st Quarter CAO progress
Document Type: Monitoring Report - Groundwater
Receive Date: 07/25/2019
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Title: 2019 3rd Quarter CAO Progress Report
Document Type: Monitoring Report - Groundwater
Receive Date: 12/30/2019
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Due Date: 12/19/2019

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Title: 2019 Spring Semi-Annual GWM Progress Report
Document Type: Monitoring Report - Groundwater
Receive Date: 12/30/2019
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Title: Land Use Covenant
Document Type: Deed Restriction / LUC Issued
Receive Date: 08/23/2013
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted

SGS INDUSTRIAL (Continued) **S113094054**

Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Title: 2018 4th Quarter CAO progress Report
Document Type: Certification Documents from Facility
Receive Date: 03/01/2019
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Title: Master Work Plan 2019 CAO Update
Document Type: Investigation Workplan
Receive Date: 09/30/2019
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Title: 66264.16(f) Training Certification
Document Type: Certification Documents from Facility
Receive Date: 03/23/2021
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNIT
Due Date: Not reported

Alias:
EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Facility Status: POST CLOSURE PERMIT + PC UNIT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Alias Type: FRS
Alias: 110000476128

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Facility Status: POST CLOSURE PERMIT + PC UNIT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Alias Type: Project Code (Site Code)
Alias: 400277

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted

SGS INDUSTRIAL (Continued) **S113094054**

Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Facility Status: POST CLOSURE PERMIT + PC UNIT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BHATTI
Supervisor: MUZHDA FEROUZ
Alias Type: Alternate Name
Alias: PHILLIPS 66 Company LARC

HWTS:
Name: SGS INDUSTRIAL
Address: 1520 E SEPULVEDA
Address 2: Not reported
City,State,Zip: CARSON, CA 907496206
EPA ID: CAL000177996
Inactive Date: 06/01/1997
Create Date: 03/12/1996
Last Act Date: 04/08/1998
Mailing Name: Not reported
Mailing Address: 1655 E 28TH ST
Mailing Address 2: Not reported
Mailing City,State,Zip: SIGNAL HILL, CA 908060000
Owner Name: SGS INDUSTRIAL INC
Owner Address: 1655 E 28TH ST
Owner Address 2: Not reported
Owner City,State,Zip: SIGNAL HILL, CA --
Contact Name: JAMES LOPEZ
Contact Address: 1655 E 28TH ST
Contact Address 2: Not reported
City,State,Zip: SIGNAL HILL, CA --

L62 **PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT** **CORRACTS** **1000904828**
SW **1520 E SEPULVEDA BLVD** **RCRA-TSDF** **90745NCLCR1520E**
1/2-1 **CARSON, CA 90745** **RCRA-LQG**
0.794 mi. **UST**
4194 ft. **Site 2 of 3 in cluster L** **SWEEPS UST**
CA FID UST
Relative: Higher **CHMIRS**
US FIN ASSUR
Actual: 39 ft. **2020 COR ACTION**
TRIS
EMI
LOS ANGELES CO. HMS

CORRACTS:
Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Address: 1520 E SEPULVEDA BLVD
Address 2: Not reported
EPA ID: CAD980881676
Area Name: GROUND WATER
Corrective Action: INVESTIGATION WORKPLAN APPROVED
Actual Date: 00:00.0
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Address: 1520 E SEPULVEDA BLVD
Address 2: Not reported
EPA ID: CAD980881676
Area Name: GROUND WATER
Corrective Action: INVESTIGATION COMPLETE
Actual Date: 00:00.0
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Address: 1520 E SEPULVEDA BLVD
Address 2: Not reported
EPA ID: CAD980881676
Area Name: ENTIRE FACILITY
Corrective Action: RFA COMPLETED
Actual Date: 00:00.0
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Address: 1520 E SEPULVEDA BLVD
Address 2: Not reported
EPA ID: CAD980881676
Area Name: ENTIRE FACILITY
Corrective Action: DETERMINATION OF NEED FOR AN INVESTIGATION-INVESTIGATION IS NECESSARY
Actual Date: 00:00.0
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Address: 1520 E SEPULVEDA BLVD
Address 2: Not reported
EPA ID: CAD980881676
Area Name: GROUND WATER
Corrective Action: STABILIZATION/INTERIM MEASURES DECISION-GROUNDWATER EXTRACTION and TREATMENT
Actual Date: 00:00.0
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Address: 1520 E SEPULVEDA BLVD
Address 2: Not reported
EPA ID: CAD980881676
Area Name: ENTIRE FACILITY
Corrective Action: STABILIZATION MEASURES EVALUATION-FURTHER INVESTIGATION NECESSARY
Actual Date: 00:00.0
Air Release Indicator: Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Address: 1520 E SEPULVEDA BLVD
Address 2: Not reported
EPA ID: CAD980881676
Area Name: ENTIRE FACILITY
Corrective Action: HUMAN EXPOSURES CONTROLLED DETERMINATION-FACILITY DOES NOT MEET DEFINITION
Actual Date: 00:00.0
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Address: 1520 E SEPULVEDA BLVD
Address 2: Not reported
EPA ID: CAD980881676
Area Name: ENTIRE FACILITY
Corrective Action: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Actual Date: 00:00.0
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Address: 1520 E SEPULVEDA BLVD
Address 2: Not reported
EPA ID: CAD980881676
Area Name: ENTIRE FACILITY
Corrective Action: RELEASE TO GW CONTROLLED DETERMINATION-FACILITY DOES NOT MEET DEFINITION
Actual Date: 00:00.0
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Address: 1520 E SEPULVEDA BLVD
Address 2: Not reported
EPA ID: CAD980881676
Area Name: ENTIRE FACILITY
Corrective Action: RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Actual Date: 00:00.0
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Click this hyperlink while viewing on your computer to access additional CORRACTS: detail in the EDR Site Report.

RCRA-LQG:

Date Form Received by Agency:	2020-02-27 00:00:00.0
Handler Name:	PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Handler Address:	1520 E SEPULVEDA BLVD
Handler City,State,Zip:	CARSON, CA 90745-0000
EPA ID:	CAD980881676
Contact Name:	MICHAEL D BECHTOL
Contact Address:	W ANAHEIM STEET
Contact City,State,Zip:	WILMINGTON, CA 90744
Contact Telephone:	310-952-6132
Contact Fax:	Not reported
Contact Email:	MIKE.D.BECHTOL@P66.COM
Contact Title:	MANAGER, ENVIRONMENTAL
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	2019
Accessibility:	Not reported
Active Site Indicator:	Handler Activities, Permitting Activities, Corrective Action Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	W ANAHEIM STREET
Mailing City,State,Zip:	WILMINGTON, CA 90744
Owner Name:	PHILLIPS 66 COMPANY
Owner Type:	Private
Operator Name:	PHILLIPS 66 COMPANY
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	Yes
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Land Disposal
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Land Disposal, Storage
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Accomplished
Permit Renewals Workload Universe:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Land Disposal, Storage
Post-Closure Workload Universe:	Land Disposal
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	Yes
Corrective Action Workload Universe:	Yes
Subject to Corrective Action Universe:	Yes
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	Yes
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	Yes
Groundwater Controls Indicator:	Yes
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Land Disposal
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Post-Closure Care
Handler Date of Last Change:	2020-10-07 12:09:10.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2019

Click Here for Biennial Reporting System Data:
Year: 2017

Click Here for Biennial Reporting System Data:
Year: 2015

Click Here for Biennial Reporting System Data:
Year: 2013

Click Here for Biennial Reporting System Data:
Year: 2011

Click Here for Biennial Reporting System Data:
Year: 2009

Click Here for Biennial Reporting System Data:
Year: 2007

Click Here for Biennial Reporting System Data:
Year: 2005

Click Here for Biennial Reporting System Data:
Year: 2003

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Click Here for Biennial Reporting System Data:
Year: 2001

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D001
Waste Description: IGNITABLE WASTE

Waste Code: D002
Waste Description: CORROSIVE WASTE

Waste Code: D003
Waste Description: REACTIVE WASTE

Waste Code: D004
Waste Description: ARSENIC

Waste Code: D006
Waste Description: CADMIUM

Waste Code: D007
Waste Description: CHROMIUM

Waste Code: D008
Waste Description: LEAD

Waste Code: D009
Waste Description: MERCURY

Waste Code: D010
Waste Description: SELENIUM

Waste Code: D018
Waste Description: BENZENE

Waste Code: D035
Waste Description: METHYL ETHYL KETONE

Waste Code: F003
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F005
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F037
Waste Description: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE, BUT ARE NOT LIMITED TO, THOSE GENERATED IN OIL/WATER/SOLIDS SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORM WATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGES GENERATED IN STORM WATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.

Waste Code: F038
Waste Description: PETROLEUM REFINERY SECONDARY (EMULSIFIED) OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE AND/OR FLOAT GENERATED FROM THE PHYSICAL AND/OR CHEMICAL SEPARATION OF OIL/WATER/SOLIDS IN PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH WASTES INCLUDE, BUT ARE NOT LIMITED TO, ALL SLUDGES AND FLOATS GENERATED IN INDUCED AIR FLOTATION (IAF) UNITS, TANKS AND IMPOUNDMENTS, AND ALL SLUDGES GENERATED IN DAF UNITS. SLUDGES GENERATED IN STORMWATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND F037, K048, AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.

Waste Code: K048
Waste Description: DISSOLVED AIR FLOTATION (DAF) FLOAT FROM THE PETROLEUM REFINING INDUSTRY.

Waste Code: K049
Waste Description: SLOP OIL EMULSION SOLIDS FROM THE PETROLEUM REFINING INDUSTRY.

Waste Code: K050
Waste Description: HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

Waste Code: K051
Waste Description: API SEPARATOR SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

Waste Code: K169
Waste Description: K169

Waste Code: K170
Waste Description: K170

Waste Code: K171
Waste Description: K171

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Waste Code: K172
Waste Description: K172

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	PHILLIPS 66 COMPANY
Legal Status:	Private
Date Became Current:	2012-05-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	1660 W ANAHEIM STREET
Owner/Operator City,State,Zip:	WILMINGTON, CA 90744
Owner/Operator Telephone:	310-952-6200
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	PHILLIPS 66 COMPANY
Legal Status:	Private
Date Became Current:	2012-04-26 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	1075 W SAM HOUSTON PARKWAY N SUITE 200
Owner/Operator City,State,Zip:	HOUSTON, TX 77043
Owner/Operator Telephone:	832-765-3010
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	MIKE.D.BECHTOL@P66.COM

Owner/Operator Indicator:	Owner
Owner/Operator Name:	TOSCO REFINING CO
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	AVON REFINERY
Owner/Operator City,State,Zip:	MARTINEZ, CA 94553-1487
Owner/Operator Telephone:	510-228-1220
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	CONOCOPHILLIPS COMPANY LAR C
Legal Status:	Private
Date Became Current:	2002-08-30 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	PHILLIPS 66 COMPANY
Legal Status:	Private
Date Became Current:	2012-04-26 00:00:00.
Date Ended Current:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Owner/Operator Address:	700 PLAZA OFFICE BLDG
Owner/Operator City,State,Zip:	BARTLESVILLE, OK 74004
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	CONOCOPHILLIPS COMPANY
Legal Status:	Private
Date Became Current:	2003-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	PHILLIPS 66 COMPANY
Legal Status:	Private
Date Became Current:	2012-05-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	PHILLIPS 66 COMPANY
Legal Status:	Private
Date Became Current:	2012-04-26 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	1075 W SAM HOUSTON PARKWAY N SUITE 200
Owner/Operator City,State,Zip:	HOUSTON, TX 77043
Owner/Operator Telephone:	832-765-3010
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	MIKE.D.BECHTOL@P66.COM
Owner/Operator Indicator:	Operator
Owner/Operator Name:	PHILLIPS 66 COMPANY
Legal Status:	Private
Date Became Current:	2012-04-26 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	1075 W SAM HOUSTON PARKWAY N SUITE 200
Owner/Operator City,State,Zip:	HOUSTON, TX 77043
Owner/Operator Telephone:	832-765-3010
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	MIKE.D.BECHTOL@P66.COM
Owner/Operator Indicator:	Operator
Owner/Operator Name:	PHILLIPS 66 COMPANY

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Legal Status:	Private
Date Became Current:	2012-04-26 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	CONOCOPHILLIPS COMPANY
Legal Status:	Private
Date Became Current:	2002-08-30 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	CONOCOPHILLIPS COMPANY
Legal Status:	Private
Date Became Current:	2003-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	CONOCOPHILLIPS COMPANY
Legal Status:	Private
Date Became Current:	2003-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	600 NORTH DAIRY ASHFORD
Owner/Operator City,State,Zip:	HOUSTON, TX 77252
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	CONOCOPHILLIPS COMPANY
Legal Status:	Private
Date Became Current:	2003-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	600 NORTH DAIRY ASHFORD
Owner/Operator City,State,Zip:	HOUSTON, TX 77079
Owner/Operator Telephone:	281-293-1000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Owner/Operator Indicator:	Owner
Owner/Operator Name:	TOSCO REFINING CO
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	AVON REFINERY
Owner/Operator City,State,Zip:	MARTINEZ, CA 94553-1487
Owner/Operator Telephone:	510-228-1220
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CONOCOPHILLIPS COMPANY
Legal Status:	Private
Date Became Current:	2003-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	600 NORTH DAIRY ASHFORD
Owner/Operator City,State,Zip:	HOUSTON, TX 77252
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	CONOCOPHILLIPS COMPANY
Legal Status:	Private
Date Became Current:	2003-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	CONOCOPHILLIPS COMPANY
Legal Status:	Private
Date Became Current:	2003-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	600 NORTH DAIRY ASHFORD
Owner/Operator City,State,Zip:	HOUSTON, TX 77079
Owner/Operator Telephone:	281-293-1000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	PHILLIPS 66 COMPANY
Legal Status:	Private
Date Became Current:	2012-04-26 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	1075 W SAM HOUSTON PARKWAY N SUITE 200
Owner/Operator City,State,Zip:	HOUSTON, TX 77043
Owner/Operator Telephone:	832-765-3010
Owner/Operator Telephone Ext:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Owner/Operator Fax:	Not reported
Owner/Operator Email:	MIKE.D.BECHTOL@P66.COM
Owner/Operator Indicator:	Operator
Owner/Operator Name:	CONOCOPHILLIPS COMPANY
Legal Status:	Private
Date Became Current:	2003-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	PHILLIPS 66 COMPANY
Legal Status:	Private
Date Became Current:	2012-05-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	1660 WEST ANAHEIM STREET
Owner/Operator City,State,Zip:	WILMINGTON, CA 90744
Owner/Operator Telephone:	310-952-6000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	CONOCOPHILLIPS COMPANY
Legal Status:	Private
Date Became Current:	2003-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	600 NORTH DAIRY ASHFORD
Owner/Operator City,State,Zip:	HOUSTON, TX 77079
Owner/Operator Telephone:	281-293-1000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	PHILLIPS 66 COMPANY
Legal Status:	Private
Date Became Current:	2012-05-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	1660 W ANAHEIM STREET
Owner/Operator City,State,Zip:	WILMINGTON, CA 90744
Owner/Operator Telephone:	310-952-6200
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	CONOCOPHILLIPS COMPANY
Legal Status:	Private
Date Became Current:	2003-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	P O BOX 6206

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Owner/Operator City,State,Zip: CARSON, CA 90747
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 2010-06-15 00:00:00.0
Handler Name: CONOCOPHILLIPS CO - LARC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2012-04-27 00:00:00.0
Handler Name: CONOCOPHILLIPS - LOS ANGELES REFINERY CARSON PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2014-03-01 00:00:00.0
Handler Name: PHILLIPS 66 - LOS ANGELES REFINERY CARSON PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2016-02-26 00:00:00.0
Handler Name: PHILLIPS 66 - LOS ANGELES REFINERY CARSON PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Electronic Manifest Broker: Not reported

Receive Date: 2018-02-27 00:00:00.0
Handler Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 2020-02-27 00:00:00.0
Handler Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 1996-09-01 00:00:00.0
Handler Name: TOSCO LOS ANGELES REFINERY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1997-03-07 00:00:00.0
Handler Name: TOSCO LOS ANGELES REFINERY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2002-11-25 00:00:00.0
Handler Name: LOS ANGELES REFINERY CARSON
Federal Waste Generator Description: Large Quantity Generator

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2012-04-18 00:00:00.0
Handler Name: LOS ANGELES REFINERY CARSON PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1994-03-30 00:00:00.0
Handler Name: UNOCAL LOS ANGELES REFINERY-CARSON PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1996-03-01 00:00:00.0
Handler Name: 76 PRODUCTS CO LAR CARSON PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1999-03-04 00:00:00.0
Handler Name: TOSCO LOS ANGELES REFINERY - CARSON
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2000-10-12 00:00:00.0
Handler Name: TOSCO LOS ANGELES REFINERY - CARSON
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2002-03-08 00:00:00.0
Handler Name: TOSCO CORPORATION, LAR, CARSON PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2004-02-26 00:00:00.0
Handler Name: CONOCOPHILLIPS CO. LAR, CARSON PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2006-02-21 00:00:00.0
Handler Name: CONOCOPHILLIPS CO. LAR, CARSON PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Receive Date:	2008-02-15 00:00:00.0
Handler Name:	CONOCOPHILLIPS CO. LAR, CARSON PLANT
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	211111
NAICS Description:	CRUDE PETROLEUM AND NATURAL GAS EXTRACTION
NAICS Code:	32411
NAICS Description:	PETROLEUM REFINERIES
NAICS Code:	324110
NAICS Description:	PETROLEUM REFINERIES

Facility Has Received Notices of Violation:

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD IS-Ground-Water Monitoring
Date Violation was Determined:	2002-04-03 00:00:00.0
Actual Return to Compliance Date:	2004-12-22 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	218
Date of Enforcement Action:	2005-09-28 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	SINGLE SITE CA/FO
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	22500
Paid Amount:	Not reported
Final Count:	1
Final Amount:	22500
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	2006-03-21 00:00:00.0
Actual Return to Compliance Date:	2006-03-22 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	507
Date of Enforcement Action:	2006-06-15 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Universal Waste - General
Date Violation was Determined:	2015-05-05 00:00:00.0
Actual Return to Compliance Date:	2015-05-08 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	203
Date of Enforcement Action:	2015-05-06 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	2012-06-20 00:00:00.0
Actual Return to Compliance Date:	2012-06-20 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	516
Date of Enforcement Action:	2012-09-05 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD IS-Ground-Water Monitoring
Date Violation was Determined:	2002-04-03 00:00:00.0
Actual Return to Compliance Date:	2004-12-22 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	200
Date of Enforcement Action:	2002-05-24 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	2009-07-28 00:00:00.0
Actual Return to Compliance Date:	2009-08-03 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	200
Date of Enforcement Action:	2009-07-29 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Closure/Post-Closure
Date Violation was Determined:	2015-10-08 00:00:00.0
Actual Return to Compliance Date:	2015-10-27 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	521
Date of Enforcement Action:	2015-12-03 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	2000-11-14 00:00:00.0
Actual Return to Compliance Date:	2000-11-15 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	502
Date of Enforcement Action:	2001-05-02 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Closure/Post-Closure
Date Violation was Determined:	2015-10-08 00:00:00.0
Actual Return to Compliance Date:	2015-10-27 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	205
Date of Enforcement Action:	2015-10-08 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	2006-03-20 00:00:00.0
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD IS-Ground-Water Monitoring
Date Violation was Determined:	2002-04-03 00:00:00.0
Actual Return to Compliance Date:	2004-12-22 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	504
Date of Enforcement Action:	2004-01-07 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Universal Waste - General
Date Violation was Determined:	2015-05-05 00:00:00.0
Actual Return to Compliance Date:	2015-05-06 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	519
Date of Enforcement Action:	2015-10-07 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	2009-07-28 00:00:00.0
Actual Return to Compliance Date:	2009-08-03 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	512
Date of Enforcement Action:	2009-09-24 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	2007-12-19 00:00:00.0
Actual Return to Compliance Date:	2008-01-30 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	200
Date of Enforcement Action:	2008-03-26 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	LETTER OF INTENT TO INITIATE ENFORCEMENT ACTION
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	2015-05-05 00:00:00.0
Actual Return to Compliance Date:	2015-05-28 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	519
Date of Enforcement Action:	2015-10-07 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	1995-01-18 00:00:00.0
Actual Return to Compliance Date:	1995-02-02 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1995-02-20 00:00:00.0
Enforcement Identifier:	001
Date of Enforcement Action:	1995-01-18 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	2015-05-05 00:00:00.0
Actual Return to Compliance Date:	2015-05-28 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	203
Date of Enforcement Action:	2015-05-06 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD IS-Preparedness and Prevention
Date Violation was Determined:	2012-06-20 00:00:00.0
Actual Return to Compliance Date:	2012-09-14 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	201
Date of Enforcement Action:	2012-09-05 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Closure/Post-Closure
Date Violation was Determined:	2015-10-08 00:00:00.0
Actual Return to Compliance Date:	2015-10-27 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	521
Date of Enforcement Action:	2015-12-03 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Universal Waste - General
Date Violation was Determined:	2015-05-05 00:00:00.0
Actual Return to Compliance Date:	2015-05-06 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	203
Date of Enforcement Action:	2015-05-06 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD IS-Ground-Water Monitoring
Date Violation was Determined:	2002-04-03 00:00:00.0
Actual Return to Compliance Date:	2004-03-05 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	504
Date of Enforcement Action:	2004-01-07 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	2007-12-19 00:00:00.0
Actual Return to Compliance Date:	2008-01-30 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	509
Date of Enforcement Action:	2008-03-06 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	1996-12-18 00:00:00.0
Actual Return to Compliance Date:	1997-11-11 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1997-01-18 00:00:00.0
Enforcement Identifier:	002
Date of Enforcement Action:	1996-12-18 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	2012-06-20 00:00:00.0
Actual Return to Compliance Date:	2012-06-20 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	201
Date of Enforcement Action:	2012-09-05 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Universal Waste - General
Date Violation was Determined:	2015-05-05 00:00:00.0
Actual Return to Compliance Date:	2015-05-08 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	203
Date of Enforcement Action:	2015-05-06 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Universal Waste - General
Date Violation was Determined:	2015-05-05 00:00:00.0
Actual Return to Compliance Date:	2015-05-06 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	203
Date of Enforcement Action:	2015-05-06 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: State Statute or Regulation
Date Violation was Determined: 2007-12-19 00:00:00.0
Actual Return to Compliance Date: 2008-01-30 00:00:00.0
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 200
Date of Enforcement Action: 2008-04-30 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: SINGLE SITE CA/FO
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Proposed Amount:	Not reported
Final Monetary Amount:	2500
Paid Amount:	Not reported
Final Count:	1
Final Amount:	2500
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	1994-12-21 00:00:00.0
Actual Return to Compliance Date:	1994-12-21 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	1995-01-18 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Universal Waste - General
Date Violation was Determined:	2015-05-05 00:00:00.0
Actual Return to Compliance Date:	2015-05-06 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	519
Date of Enforcement Action:	2015-10-07 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD IS-Ground-Water Monitoring
Date Violation was Determined:	2002-04-03 00:00:00.0
Actual Return to Compliance Date:	2004-12-22 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	217
Date of Enforcement Action:	2005-05-12 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	LETTER OF INTENT TO INITIATE ENFORCEMENT ACTION
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Unknown
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Universal Waste - General
Date Violation was Determined:	2015-05-05 00:00:00.0
Actual Return to Compliance Date:	2015-05-08 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	519
Date of Enforcement Action:	2015-10-07 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Contingency Plan and Emergency Procedures
Date Violation was Determined:	2003-12-17 00:00:00.0
Actual Return to Compliance Date:	2003-12-18 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	505
Date of Enforcement Action:	2004-02-20 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	1995-01-18 00:00:00.0
Actual Return to Compliance Date:	1995-02-20 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1995-02-20 00:00:00.0
Enforcement Identifier:	001
Date of Enforcement Action:	1995-01-18 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Universal Waste - General
Date Violation was Determined:	2015-05-05 00:00:00.0
Actual Return to Compliance Date:	2015-05-06 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	203
Date of Enforcement Action:	2015-05-06 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Contingency Plan and Emergency Procedures
Date Violation was Determined:	2003-12-17 00:00:00.0
Actual Return to Compliance Date:	2003-12-18 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	200
Date of Enforcement Action:	2003-12-18 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Universal Waste - General
Date Violation was Determined:	2015-05-05 00:00:00.0
Actual Return to Compliance Date:	2015-05-06 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	519
Date of Enforcement Action:	2015-10-07 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: State Statute or Regulation
Date Violation was Determined: 2007-12-19 00:00:00.0
Actual Return to Compliance Date: 2008-01-30 00:00:00.0
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 200
Date of Enforcement Action: 2008-03-30 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	2006-03-21 00:00:00.0
Actual Return to Compliance Date:	2006-03-22 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	200
Date of Enforcement Action:	2006-03-22 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD IS-Ground-Water Monitoring
Date Violation was Determined:	2002-04-03 00:00:00.0
Actual Return to Compliance Date:	2004-03-05 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	200
Date of Enforcement Action:	2002-05-24 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD IS-Preparedness and Prevention
Date Violation was Determined:	2012-06-20 00:00:00.0
Actual Return to Compliance Date:	2012-09-14 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	516
Date of Enforcement Action:	2012-09-05 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	2000-11-14 00:00:00.0
Actual Return to Compliance Date:	2000-11-15 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	200
Date of Enforcement Action:	2000-11-15 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Closure/Post-Closure
Date Violation was Determined:	2015-10-08 00:00:00.0
Actual Return to Compliance Date:	2015-10-27 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	205
Date of Enforcement Action:	2015-10-08 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Universal Waste - General
Date Violation was Determined:	2015-05-05 00:00:00.0
Actual Return to Compliance Date:	2015-05-08 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	519
Date of Enforcement Action:	2015-10-07 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Evaluation Action Summary:

Evaluation Date:	2012-08-14 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Evaluation Date:	2002-04-03 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	OPERATION AND MAINTENANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2004-12-22 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2006-03-21 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2006-03-22 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2015-05-05 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2015-05-08 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2012-06-20 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2012-06-20 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2002-04-03 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	OPERATION AND MAINTENANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2004-12-22 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2009-07-28 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2009-08-03 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2015-10-08 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2015-10-27 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2004-05-14 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2000-11-14 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2000-11-15 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2015-10-08 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2015-10-27 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2006-03-20 00:00:00.0
Evaluation Responsible Agency:	State Contractor/Grantee
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2002-04-03 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	OPERATION AND MAINTENANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2004-12-22 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2015-05-05 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2015-05-06 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2009-07-28 00:00:00.0
Evaluation Responsible Agency:	State

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2009-08-03 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2007-12-19 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2008-01-30 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2002-04-03 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2015-05-05 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2015-05-28 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2004-12-22 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2020-10-08 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1994-12-21 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1995-02-02 00:00:00.0
Scheduled Compliance Date:	1995-02-20 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2019-08-07 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2015-05-05 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2015-05-28 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Evaluation Date:	2012-06-20 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2012-09-14 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1992-06-24 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2006-06-30 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2015-10-08 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2015-10-27 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2005-12-27 00:00:00.0
Evaluation Responsible Agency:	EPA Contractor/Grantee
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	KSAVA

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2015-05-05 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2015-05-06 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2002-01-23 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2015-07-09 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2002-04-03 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	OPERATION AND MAINTENANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2004-03-05 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2008-01-30 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2007-12-19 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2008-01-30 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1996-12-16 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1997-11-11 00:00:00.0
Scheduled Compliance Date:	1997-01-18 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2012-06-20 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2012-06-20 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2008-02-07 00:00:00.0
Evaluation Responsible Agency:	State

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2015-05-05 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2015-05-08 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2000-01-19 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1994-10-04 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	GROUNDWATER MONITORING EVALUATION
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2015-05-05 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2015-05-06 00:00:00.0

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2016-07-06 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2007-12-19 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2008-01-30 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1994-12-21 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1994-12-21 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2015-05-05 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2015-05-06 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Evaluation Date:	2002-04-03 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	OPERATION AND MAINTENANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2004-12-22 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2015-08-24 00:00:00.0
Evaluation Responsible Agency:	EPA
Found Violation:	Undetermined
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	RSAKO
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2018-05-30 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2015-05-05 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2015-05-08 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2003-12-17 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2003-12-18 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1994-12-21 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1995-02-20 00:00:00.0
Scheduled Compliance Date:	1995-02-20 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2009-08-19 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2018-06-06 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2015-05-05 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2015-05-06 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2003-12-17 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2003-12-18 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2015-05-05 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2015-05-06 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2007-12-19 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2007-12-19 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2008-01-30 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2006-03-21 00:00:00.0
Evaluation Responsible Agency:	State

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2006-03-22 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2002-04-03 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	OPERATION AND MAINTENANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2004-03-05 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2012-06-20 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2012-09-14 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2000-11-14 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2000-11-15 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2015-10-08 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2015-10-27 00:00:00.0

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1999-06-30 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2015-05-05 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2015-05-08 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

RCRA-LQG:

Date Form Received by Agency:	2020-02-27 00:00:00.0
Handler Name:	PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Handler Address:	1520 E SEPULVEDA BLVD
Handler City,State,Zip:	CARSON, CA 90745-0000
EPA ID:	CAD980881676
Contact Name:	MICHAEL D BECHTOL
Contact Address:	W ANAHEIM STEET
Contact City,State,Zip:	WILMINGTON, CA 90744
Contact Telephone:	310-952-6132
Contact Fax:	Not reported
Contact Email:	MIKE.D.BECHTOL@P66.COM
Contact Title:	MANAGER, ENVIRONMENTAL
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	2019
Accessibility:	Not reported
Active Site Indicator:	Handler Activities, Permitting Activities, Corrective Action Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	W ANAHEIM STREET
Mailing City,State,Zip:	WILMINGTON, CA 90744
Owner Name:	PHILLIPS 66 COMPANY
Owner Type:	Private
Operator Name:	PHILLIPS 66 COMPANY
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	Yes
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Land Disposal
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Land Disposal, Storage
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Accomplished
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Land Disposal, Storage
Post-Closure Workload Universe:	Land Disposal

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	Yes
Corrective Action Workload Universe:	Yes
Subject to Corrective Action Universe:	Yes
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	Yes
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	Yes
Groundwater Controls Indicator:	Yes
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Land Disposal
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Post-Closure Care
Handler Date of Last Change:	2020-10-07 12:09:10.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2019

Click Here for Biennial Reporting System Data:
Year: 2017

Click Here for Biennial Reporting System Data:
Year: 2015

Click Here for Biennial Reporting System Data:
Year: 2013

Click Here for Biennial Reporting System Data:
Year: 2011

Click Here for Biennial Reporting System Data:
Year: 2009

Click Here for Biennial Reporting System Data:
Year: 2007

Click Here for Biennial Reporting System Data:
Year: 2005

Click Here for Biennial Reporting System Data:
Year: 2003

Click Here for Biennial Reporting System Data:
Year: 2001

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D002
Waste Description:	CORROSIVE WASTE
Waste Code:	D003
Waste Description:	REACTIVE WASTE
Waste Code:	D004
Waste Description:	ARSENIC
Waste Code:	D006
Waste Description:	CADMIUM
Waste Code:	D007
Waste Description:	CHROMIUM
Waste Code:	D008
Waste Description:	LEAD
Waste Code:	D009
Waste Description:	MERCURY
Waste Code:	D010
Waste Description:	SELENIUM
Waste Code:	D018
Waste Description:	BENZENE
Waste Code:	D035
Waste Description:	METHYL ETHYL KETONE
Waste Code:	F003
Waste Description:	THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Waste Code:	F005
Waste Description:	THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Waste Code:	F037
Waste Description:	PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE, BUT ARE NOT LIMITED TO, THOSE GENERATED IN OIL/WATER/SOLIDS SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORM WATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGES GENERATED IN STORM WATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.
Waste Code:	F038
Waste Description:	PETROLEUM REFINERY SECONDARY (EMULSIFIED) OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE AND/OR FLOAT GENERATED FROM THE PHYSICAL AND/OR CHEMICAL SEPARATION OF OIL/WATER/SOLIDS IN PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH WASTES INCLUDE, BUT ARE NOT LIMITED TO, ALL SLUDGES AND FLOATS GENERATED IN INDUCED AIR FLOTATION (IAF) UNITS, TANKS AND IMPOUNDMENTS, AND ALL SLUDGES GENERATED IN DAF UNITS. SLUDGES GENERATED IN STORMWATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND F037, K048, AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.
Waste Code:	K048
Waste Description:	DISSOLVED AIR FLOTATION (DAF) FLOAT FROM THE PETROLEUM REFINING INDUSTRY.
Waste Code:	K049
Waste Description:	SLOP OIL EMULSION SOLIDS FROM THE PETROLEUM REFINING INDUSTRY.
Waste Code:	K050
Waste Description:	HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.
Waste Code:	K051
Waste Description:	API SEPARATOR SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.
Waste Code:	K169
Waste Description:	K169
Waste Code:	K170
Waste Description:	K170
Waste Code:	K171
Waste Description:	K171
Waste Code:	K172
Waste Description:	K172

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	PHILLIPS 66 COMPANY
Legal Status:	Private
Date Became Current:	2012-05-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	1660 W ANAHEIM STREET
Owner/Operator City,State,Zip:	WILMINGTON, CA 90744
Owner/Operator Telephone:	310-952-6200
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	PHILLIPS 66 COMPANY
Legal Status:	Private
Date Became Current:	2012-04-26 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	1075 W SAM HOUSTON PARKWAY N SUITE 200
Owner/Operator City,State,Zip:	HOUSTON, TX 77043
Owner/Operator Telephone:	832-765-3010
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	MIKE.D.BECHTOL@P66.COM

Owner/Operator Indicator:	Owner
Owner/Operator Name:	TOSCO REFINING CO
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	AVON REFINERY
Owner/Operator City,State,Zip:	MARTINEZ, CA 94553-1487
Owner/Operator Telephone:	510-228-1220
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	CONOCOPHILLIPS COMPANY LAR C
Legal Status:	Private
Date Became Current:	2002-08-30 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	PHILLIPS 66 COMPANY
Legal Status:	Private
Date Became Current:	2012-04-26 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	700 PLAZA OFFICE BLDG
Owner/Operator City,State,Zip:	BARTLESVILLE, OK 74004
Owner/Operator Telephone:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	CONOCOPHILLIPS COMPANY
Legal Status:	Private
Date Became Current:	2003-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	PHILLIPS 66 COMPANY
Legal Status:	Private
Date Became Current:	2012-05-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	PHILLIPS 66 COMPANY
Legal Status:	Private
Date Became Current:	2012-04-26 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	1075 W SAM HOUSTON PARKWAY N SUITE 200
Owner/Operator City,State,Zip:	HOUSTON, TX 77043
Owner/Operator Telephone:	832-765-3010
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	MIKE.D.BECHTOL@P66.COM
Owner/Operator Indicator:	Operator
Owner/Operator Name:	PHILLIPS 66 COMPANY
Legal Status:	Private
Date Became Current:	2012-04-26 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	1075 W SAM HOUSTON PARKWAY N SUITE 200
Owner/Operator City,State,Zip:	HOUSTON, TX 77043
Owner/Operator Telephone:	832-765-3010
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	MIKE.D.BECHTOL@P66.COM
Owner/Operator Indicator:	Operator
Owner/Operator Name:	PHILLIPS 66 COMPANY
Legal Status:	Private
Date Became Current:	2012-04-26 00:00:00.
Date Ended Current:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	CONOCOPHILLIPS COMPANY
Legal Status:	Private
Date Became Current:	2002-08-30 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	CONOCOPHILLIPS COMPANY
Legal Status:	Private
Date Became Current:	2003-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	CONOCOPHILLIPS COMPANY
Legal Status:	Private
Date Became Current:	2003-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	600 NORTH DAIRY ASHFORD
Owner/Operator City,State,Zip:	HOUSTON, TX 77252
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	CONOCOPHILLIPS COMPANY
Legal Status:	Private
Date Became Current:	2003-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	600 NORTH DAIRY ASHFORD
Owner/Operator City,State,Zip:	HOUSTON, TX 77079
Owner/Operator Telephone:	281-293-1000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	TOSCO REFINING CO

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	AVON REFINERY
Owner/Operator City,State,Zip:	MARTINEZ, CA 94553-1487
Owner/Operator Telephone:	510-228-1220
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CONOCOPHILLIPS COMPANY
Legal Status:	Private
Date Became Current:	2003-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	600 NORTH DAIRY ASHFORD
Owner/Operator City,State,Zip:	HOUSTON, TX 77252
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	CONOCOPHILLIPS COMPANY
Legal Status:	Private
Date Became Current:	2003-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	CONOCOPHILLIPS COMPANY
Legal Status:	Private
Date Became Current:	2003-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	600 NORTH DAIRY ASHFORD
Owner/Operator City,State,Zip:	HOUSTON, TX 77079
Owner/Operator Telephone:	281-293-1000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	PHILLIPS 66 COMPANY
Legal Status:	Private
Date Became Current:	2012-04-26 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	1075 W SAM HOUSTON PARKWAY N SUITE 200
Owner/Operator City,State,Zip:	HOUSTON, TX 77043
Owner/Operator Telephone:	832-765-3010
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	MIKE.D.BECHTOL@P66.COM

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Owner/Operator Indicator:	Operator
Owner/Operator Name:	CONOCOPHILLIPS COMPANY
Legal Status:	Private
Date Became Current:	2003-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	PHILLIPS 66 COMPANY
Legal Status:	Private
Date Became Current:	2012-05-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	1660 WEST ANAHEIM STREET
Owner/Operator City,State,Zip:	WILMINGTON, CA 90744
Owner/Operator Telephone:	310-952-6000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CONOCOPHILLIPS COMPANY
Legal Status:	Private
Date Became Current:	2003-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	600 NORTH DAIRY ASHFORD
Owner/Operator City,State,Zip:	HOUSTON, TX 77079
Owner/Operator Telephone:	281-293-1000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	PHILLIPS 66 COMPANY
Legal Status:	Private
Date Became Current:	2012-05-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	1660 W ANAHEIM STREET
Owner/Operator City,State,Zip:	WILMINGTON, CA 90744
Owner/Operator Telephone:	310-952-6200
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CONOCOPHILLIPS COMPANY
Legal Status:	Private
Date Became Current:	2003-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	P O BOX 6206
Owner/Operator City,State,Zip:	CARSON, CA 90747
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 2010-06-15 00:00:00.0
Handler Name: CONOCOPHILLIPS CO - LARC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2012-04-27 00:00:00.0
Handler Name: CONOCOPHILLIPS - LOS ANGELES REFINERY CARSON PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2014-03-01 00:00:00.0
Handler Name: PHILLIPS 66 - LOS ANGELES REFINERY CARSON PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2016-02-26 00:00:00.0
Handler Name: PHILLIPS 66 - LOS ANGELES REFINERY CARSON PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2018-02-27 00:00:00.0

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Handler Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 2020-02-27 00:00:00.0
Handler Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 1996-09-01 00:00:00.0
Handler Name: TOSCO LOS ANGELES REFINERY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1997-03-07 00:00:00.0
Handler Name: TOSCO LOS ANGELES REFINERY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2002-11-25 00:00:00.0
Handler Name: LOS ANGELES REFINERY CARSON
Federal Waste Generator Description: Large Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2012-04-18 00:00:00.0
Handler Name: LOS ANGELES REFINERY CARSON PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1994-03-30 00:00:00.0
Handler Name: UNOCAL LOS ANGELES REFINERY-CARSON PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1996-03-01 00:00:00.0
Handler Name: 76 PRODUCTS CO LAR CARSON PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1999-03-04 00:00:00.0
Handler Name: TOSCO LOS ANGELES REFINERY - CARSON
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Electronic Manifest Broker: Not reported

Receive Date: 2000-10-12 00:00:00.0
Handler Name: TOSCO LOS ANGELES REFINERY - CARSON
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2002-03-08 00:00:00.0
Handler Name: TOSCO CORPORATION, LAR, CARSON PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2004-02-26 00:00:00.0
Handler Name: CONOCOPHILLIPS CO. LAR, CARSON PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2006-02-21 00:00:00.0
Handler Name: CONOCOPHILLIPS CO. LAR, CARSON PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2008-02-15 00:00:00.0
Handler Name: CONOCOPHILLIPS CO. LAR, CARSON PLANT
Federal Waste Generator Description: Large Quantity Generator

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	211111
NAICS Description:	CRUDE PETROLEUM AND NATURAL GAS EXTRACTION
NAICS Code:	32411
NAICS Description:	PETROLEUM REFINERIES
NAICS Code:	324110
NAICS Description:	PETROLEUM REFINERIES

Facility Has Received Notices of Violation:

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD IS-Ground-Water Monitoring
Date Violation was Determined:	2002-04-03 00:00:00.0
Actual Return to Compliance Date:	2004-12-22 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	218
Date of Enforcement Action:	2005-09-28 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	SINGLE SITE CA/FO
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	22500
Paid Amount:	Not reported
Final Count:	1
Final Amount:	22500
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	2006-03-21 00:00:00.0
Actual Return to Compliance Date:	2006-03-22 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	507
Date of Enforcement Action:	2006-06-15 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Universal Waste - General
Date Violation was Determined:	2015-05-05 00:00:00.0
Actual Return to Compliance Date:	2015-05-08 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	203
Date of Enforcement Action:	2015-05-06 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	2012-06-20 00:00:00.0
Actual Return to Compliance Date:	2012-06-20 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	516
Date of Enforcement Action:	2012-09-05 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD IS-Ground-Water Monitoring
Date Violation was Determined:	2002-04-03 00:00:00.0
Actual Return to Compliance Date:	2004-12-22 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	200
Date of Enforcement Action:	2002-05-24 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	2009-07-28 00:00:00.0
Actual Return to Compliance Date:	2009-08-03 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	200
Date of Enforcement Action:	2009-07-29 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Closure/Post-Closure
Date Violation was Determined:	2015-10-08 00:00:00.0
Actual Return to Compliance Date:	2015-10-27 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	521
Date of Enforcement Action:	2015-12-03 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	2000-11-14 00:00:00.0
Actual Return to Compliance Date:	2000-11-15 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	502
Date of Enforcement Action:	2001-05-02 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Closure/Post-Closure
Date Violation was Determined:	2015-10-08 00:00:00.0
Actual Return to Compliance Date:	2015-10-27 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	205
Date of Enforcement Action:	2015-10-08 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	2006-03-20 00:00:00.0
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD IS-Ground-Water Monitoring
Date Violation was Determined:	2002-04-03 00:00:00.0
Actual Return to Compliance Date:	2004-12-22 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	504
Date of Enforcement Action:	2004-01-07 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Universal Waste - General
Date Violation was Determined:	2015-05-05 00:00:00.0
Actual Return to Compliance Date:	2015-05-06 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	519
Date of Enforcement Action:	2015-10-07 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	2009-07-28 00:00:00.0
Actual Return to Compliance Date:	2009-08-03 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	512
Date of Enforcement Action:	2009-09-24 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: State Statute or Regulation
Date Violation was Determined: 2007-12-19 00:00:00.0
Actual Return to Compliance Date: 2008-01-30 00:00:00.0
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 200
Date of Enforcement Action: 2008-03-26 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: LETTER OF INTENT TO INITIATE ENFORCEMENT ACTION
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	2015-05-05 00:00:00.0
Actual Return to Compliance Date:	2015-05-28 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	519
Date of Enforcement Action:	2015-10-07 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	1995-01-18 00:00:00.0
Actual Return to Compliance Date:	1995-02-02 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1995-02-20 00:00:00.0
Enforcement Identifier:	001
Date of Enforcement Action:	1995-01-18 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	2015-05-05 00:00:00.0
Actual Return to Compliance Date:	2015-05-28 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	203
Date of Enforcement Action:	2015-05-06 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD IS-Preparedness and Prevention
Date Violation was Determined:	2012-06-20 00:00:00.0
Actual Return to Compliance Date:	2012-09-14 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	201
Date of Enforcement Action:	2012-09-05 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Closure/Post-Closure
Date Violation was Determined:	2015-10-08 00:00:00.0
Actual Return to Compliance Date:	2015-10-27 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	521
Date of Enforcement Action:	2015-12-03 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Universal Waste - General
Date Violation was Determined:	2015-05-05 00:00:00.0
Actual Return to Compliance Date:	2015-05-06 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	203
Date of Enforcement Action:	2015-05-06 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD IS-Ground-Water Monitoring
Date Violation was Determined:	2002-04-03 00:00:00.0
Actual Return to Compliance Date:	2004-03-05 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	504
Date of Enforcement Action:	2004-01-07 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	2007-12-19 00:00:00.0
Actual Return to Compliance Date:	2008-01-30 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	509
Date of Enforcement Action:	2008-03-06 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	1996-12-18 00:00:00.0
Actual Return to Compliance Date:	1997-11-11 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1997-01-18 00:00:00.0
Enforcement Identifier:	002
Date of Enforcement Action:	1996-12-18 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	2012-06-20 00:00:00.0
Actual Return to Compliance Date:	2012-06-20 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	201
Date of Enforcement Action:	2012-09-05 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Universal Waste - General
Date Violation was Determined:	2015-05-05 00:00:00.0
Actual Return to Compliance Date:	2015-05-08 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	203
Date of Enforcement Action:	2015-05-06 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Universal Waste - General
Date Violation was Determined:	2015-05-05 00:00:00.0
Actual Return to Compliance Date:	2015-05-06 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	203
Date of Enforcement Action:	2015-05-06 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	2007-12-19 00:00:00.0
Actual Return to Compliance Date:	2008-01-30 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	200
Date of Enforcement Action:	2008-04-30 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	SINGLE SITE CA/FO
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	2500
Paid Amount:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Final Count:	1
Final Amount:	2500
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	1994-12-21 00:00:00.0
Actual Return to Compliance Date:	1994-12-21 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	1995-01-18 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Universal Waste - General
Date Violation was Determined:	2015-05-05 00:00:00.0
Actual Return to Compliance Date:	2015-05-06 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	519
Date of Enforcement Action:	2015-10-07 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD IS-Ground-Water Monitoring
Date Violation was Determined: 2002-04-03 00:00:00.0
Actual Return to Compliance Date: 2004-12-22 00:00:00.0
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 217
Date of Enforcement Action: 2005-05-12 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: LETTER OF INTENT TO INITIATE ENFORCEMENT ACTION
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Unknown
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Universal Waste - General
Date Violation was Determined:	2015-05-05 00:00:00.0
Actual Return to Compliance Date:	2015-05-08 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	519
Date of Enforcement Action:	2015-10-07 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Contingency Plan and Emergency Procedures
Date Violation was Determined:	2003-12-17 00:00:00.0
Actual Return to Compliance Date:	2003-12-18 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	505
Date of Enforcement Action:	2004-02-20 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	1995-01-18 00:00:00.0
Actual Return to Compliance Date:	1995-02-20 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1995-02-20 00:00:00.0
Enforcement Identifier:	001
Date of Enforcement Action:	1995-01-18 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Universal Waste - General
Date Violation was Determined:	2015-05-05 00:00:00.0
Actual Return to Compliance Date:	2015-05-06 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	203
Date of Enforcement Action:	2015-05-06 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Contingency Plan and Emergency Procedures
Date Violation was Determined:	2003-12-17 00:00:00.0
Actual Return to Compliance Date:	2003-12-18 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	200
Date of Enforcement Action:	2003-12-18 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Universal Waste - General
Date Violation was Determined:	2015-05-05 00:00:00.0
Actual Return to Compliance Date:	2015-05-06 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	519
Date of Enforcement Action:	2015-10-07 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: State Statute or Regulation
Date Violation was Determined: 2007-12-19 00:00:00.0
Actual Return to Compliance Date: 2008-01-30 00:00:00.0
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 200
Date of Enforcement Action: 2008-03-30 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	2006-03-21 00:00:00.0
Actual Return to Compliance Date:	2006-03-22 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	200
Date of Enforcement Action:	2006-03-22 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD IS-Ground-Water Monitoring
Date Violation was Determined:	2002-04-03 00:00:00.0
Actual Return to Compliance Date:	2004-03-05 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	200
Date of Enforcement Action:	2002-05-24 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD IS-Preparedness and Prevention
Date Violation was Determined:	2012-06-20 00:00:00.0
Actual Return to Compliance Date:	2012-09-14 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	516
Date of Enforcement Action:	2012-09-05 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	2000-11-14 00:00:00.0
Actual Return to Compliance Date:	2000-11-15 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	200
Date of Enforcement Action:	2000-11-15 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Closure/Post-Closure
Date Violation was Determined:	2015-10-08 00:00:00.0
Actual Return to Compliance Date:	2015-10-27 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	205
Date of Enforcement Action:	2015-10-08 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Universal Waste - General
Date Violation was Determined:	2015-05-05 00:00:00.0
Actual Return to Compliance Date:	2015-05-08 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	519
Date of Enforcement Action:	2015-10-07 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Evaluation Action Summary:

Evaluation Date:	2012-08-14 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2002-04-03 00:00:00.0
Evaluation Responsible Agency:	State

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Found Violation:	Yes
Evaluation Type Description:	OPERATION AND MAINTENANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2004-12-22 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2006-03-21 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2006-03-22 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2015-05-05 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2015-05-08 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2012-06-20 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2012-06-20 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2002-04-03 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	OPERATION AND MAINTENANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2004-12-22 00:00:00.0

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2009-07-28 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2009-08-03 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2015-10-08 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2015-10-27 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2004-05-14 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2000-11-14 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2000-11-15 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Evaluation Date:	2015-10-08 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2015-10-27 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2006-03-20 00:00:00.0
Evaluation Responsible Agency:	State Contractor/Grantee
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2002-04-03 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	OPERATION AND MAINTENANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2004-12-22 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2015-05-05 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2015-05-06 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2009-07-28 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2009-08-03 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2007-12-19 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2008-01-30 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2002-04-03 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2015-05-05 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2015-05-28 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2004-12-22 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2020-10-08 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1994-12-21 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1995-02-02 00:00:00.0
Scheduled Compliance Date:	1995-02-20 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2019-08-07 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2015-05-05 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2015-05-28 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2012-06-20 00:00:00.0
Evaluation Responsible Agency:	State

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2012-09-14 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1992-06-24 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2006-06-30 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2015-10-08 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2015-10-27 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2005-12-27 00:00:00.0
Evaluation Responsible Agency:	EPA Contractor/Grantee
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	KSAVA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2015-05-05 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2015-05-06 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2002-01-23 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2015-07-09 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2002-04-03 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	OPERATION AND MAINTENANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2004-03-05 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Evaluation Date:	2008-01-30 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2007-12-19 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2008-01-30 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1996-12-16 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1997-11-11 00:00:00.0
Scheduled Compliance Date:	1997-01-18 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2012-06-20 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2012-06-20 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2008-02-07 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2015-05-05 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2015-05-08 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2000-01-19 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1994-10-04 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	GROUNDWATER MONITORING EVALUATION
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2015-05-05 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2015-05-06 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2016-07-06 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2007-12-19 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2008-01-30 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1994-12-21 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1994-12-21 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2015-05-05 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2015-05-06 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2002-04-03 00:00:00.0
Evaluation Responsible Agency:	State

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Found Violation:	Yes
Evaluation Type Description:	OPERATION AND MAINTENANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2004-12-22 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2015-08-24 00:00:00.0
Evaluation Responsible Agency:	EPA
Found Violation:	Undetermined
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	RSAKO
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2018-05-30 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2015-05-05 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2015-05-08 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2003-12-17 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2003-12-18 00:00:00.0

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1994-12-21 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1995-02-20 00:00:00.0
Scheduled Compliance Date:	1995-02-20 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2009-08-19 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2018-06-06 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2015-05-05 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2015-05-06 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Evaluation Date:	2003-12-17 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2003-12-18 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2015-05-05 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2015-05-06 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2007-12-19 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2007-12-19 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2008-01-30 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2006-03-21 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2006-03-22 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2002-04-03 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	OPERATION AND MAINTENANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2004-03-05 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2012-06-20 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2012-09-14 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2000-11-14 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2000-11-15 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2015-10-08 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2015-10-27 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1999-06-30 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2015-05-05 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2015-05-08 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

UST:
Name: CARSON LUBRICANTS PLANT
Address: 1520 E SEPULVEDA BLVD
City,State,Zip: CARSON, CA 90745
Facility ID: LACoFA0024438
Permitting Agency: Los Angeles County Fire Department
CERSID: 10302214
Latitude: 33.804
Longitude: -118.24361

SWEEPS UST:
Name: UNOCAL CARSON PLANT
Address: 1520 E SEPULVEDA BLVD
City: CARSON
Status: Active
Comp Number: 16650
Number: 1
Board Of Equalization: Not reported
Referral Date: 04-03-92
Action Date: 04-03-92
Created Date: 04-03-92
Owner Tank Id: 0018
SWRCB Tank Id: 19-000-016650-000001
Tank Status: A
Capacity: 129250
Active Date: 04-03-92
Tank Use: PETROLEUM
STG: W
Content: Not reported
Number Of Tanks: 17

Name: UNOCAL CARSON PLANT
Address: 1520 E SEPULVEDA BLVD
City: CARSON
Status: Active
Comp Number: 16650
Number: 1
Board Of Equalization: Not reported
Referral Date: 04-03-92
Action Date: 04-03-92
Created Date: 04-03-92
Owner Tank Id: 0021
SWRCB Tank Id: 19-000-016650-000002
Tank Status: A
Capacity: 4260
Active Date: 04-03-92
Tank Use: PETROLEUM
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: UNOCAL CARSON PLANT
Address: 1520 E SEPULVEDA BLVD
City: CARSON
Status: Active
Comp Number: 16650

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Number: 1
Board Of Equalization: Not reported
Referral Date: 04-03-92
Action Date: 04-03-92
Created Date: 04-03-92
Owner Tank Id: 0022
SWRCB Tank Id: 19-000-016650-000003
Tank Status: A
Capacity: 115680
Active Date: 04-03-92
Tank Use: PETROLEUM
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: UNOCAL CARSON PLANT
Address: 1520 E SEPULVEDA BLVD
City: CARSON
Status: Active
Comp Number: 16650
Number: 1
Board Of Equalization: Not reported
Referral Date: 04-03-92
Action Date: 04-03-92
Created Date: 04-03-92
Owner Tank Id: 0024
SWRCB Tank Id: 19-000-016650-000004
Tank Status: A
Capacity: 1620
Active Date: 04-03-92
Tank Use: CHEMICAL
STG: P
Content: Not reported
Number Of Tanks: Not reported

Name: UNOCAL CARSON PLANT
Address: 1520 E SEPULVEDA BLVD
City: CARSON
Status: Active
Comp Number: 16650
Number: 1
Board Of Equalization: Not reported
Referral Date: 04-03-92
Action Date: 04-03-92
Created Date: 04-03-92
Owner Tank Id: 0025
SWRCB Tank Id: 19-000-016650-000005
Tank Status: A
Capacity: 1620
Active Date: 04-03-92
Tank Use: PETROLEUM
STG: P
Content: Not reported
Number Of Tanks: Not reported

Name: UNOCAL CARSON PLANT
Address: 1520 E SEPULVEDA BLVD

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

City: CARSON
Status: Active
Comp Number: 16650
Number: 1
Board Of Equalization: Not reported
Referral Date: 04-03-92
Action Date: 04-03-92
Created Date: 04-03-92
Owner Tank Id: 0026
SWRCB Tank Id: 19-000-016650-000006
Tank Status: A
Capacity: 1500
Active Date: 04-03-92
Tank Use: CHEMICAL
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: UNOCAL CARSON PLANT
Address: 1520 E SEPULVEDA BLVD
City: CARSON
Status: Active
Comp Number: 16650
Number: 1
Board Of Equalization: Not reported
Referral Date: 04-03-92
Action Date: 04-03-92
Created Date: 04-03-92
Owner Tank Id: 0027
SWRCB Tank Id: 19-000-016650-000007
Tank Status: A
Capacity: 1500
Active Date: 04-03-92
Tank Use: CHEMICAL
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: UNOCAL CARSON PLANT
Address: 1520 E SEPULVEDA BLVD
City: CARSON
Status: Active
Comp Number: 16650
Number: 1
Board Of Equalization: Not reported
Referral Date: 04-03-92
Action Date: 04-03-92
Created Date: 04-03-92
Owner Tank Id: 0028
SWRCB Tank Id: 19-000-016650-000008
Tank Status: A
Capacity: 1500
Active Date: 04-03-92
Tank Use: CHEMICAL
STG: W
Content: Not reported
Number Of Tanks: Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Name:	UNOCAL CARSON PLANT
Address:	1520 E SEPULVEDA BLVD
City:	CARSON
Status:	Active
Comp Number:	16650
Number:	1
Board Of Equalization:	Not reported
Referral Date:	04-03-92
Action Date:	04-03-92
Created Date:	04-03-92
Owner Tank Id:	0036
SWRCB Tank Id:	19-000-016650-000009
Tank Status:	A
Capacity:	14580
Active Date:	04-03-92
Tank Use:	PETROLEUM
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

Name:	UNOCAL CARSON PLANT
Address:	1520 E SEPULVEDA BLVD
City:	CARSON
Status:	Active
Comp Number:	16650
Number:	1
Board Of Equalization:	Not reported
Referral Date:	04-03-92
Action Date:	04-03-92
Created Date:	04-03-92
Owner Tank Id:	0037
SWRCB Tank Id:	19-000-016650-000010
Tank Status:	A
Capacity:	185000
Active Date:	04-03-92
Tank Use:	PETROLEUM
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

Name:	UNOCAL CARSON PLANT
Address:	1520 E SEPULVEDA BLVD
City:	CARSON
Status:	Active
Comp Number:	16650
Number:	1
Board Of Equalization:	Not reported
Referral Date:	04-03-92
Action Date:	04-03-92
Created Date:	04-03-92
Owner Tank Id:	0061
SWRCB Tank Id:	19-000-016650-000011
Tank Status:	A
Capacity:	6000
Active Date:	04-03-92
Tank Use:	PETROLEUM
STG:	W

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Content: Not reported
Number Of Tanks: Not reported

Name: UNOCAL CARSON PLANT
Address: 1520 E SEPULVEDA BLVD
City: CARSON
Status: Active
Comp Number: 16650
Number: 1
Board Of Equalization: Not reported
Referral Date: 04-03-92
Action Date: 04-03-92
Created Date: 04-03-92
Owner Tank Id: 0064
SWRCB Tank Id: 19-000-016650-000012
Tank Status: A
Capacity: 18400
Active Date: 04-03-92
Tank Use: OIL
STG: P
Content: Not reported
Number Of Tanks: Not reported

Name: UNOCAL CARSON PLANT
Address: 1520 E SEPULVEDA BLVD
City: CARSON
Status: Active
Comp Number: 16650
Number: 1
Board Of Equalization: Not reported
Referral Date: 04-03-92
Action Date: 04-03-92
Created Date: 04-03-92
Owner Tank Id: 0075
SWRCB Tank Id: 19-000-016650-000013
Tank Status: A
Capacity: 2750
Active Date: 04-03-92
Tank Use: OIL
STG: P
Content: Not reported
Number Of Tanks: Not reported

Name: UNOCAL CARSON PLANT
Address: 1520 E SEPULVEDA BLVD
City: CARSON
Status: Active
Comp Number: 16650
Number: 1
Board Of Equalization: Not reported
Referral Date: 04-03-92
Action Date: 04-03-92
Created Date: 04-03-92
Owner Tank Id: WPL-1
SWRCB Tank Id: 19-000-016650-000014
Tank Status: A
Capacity: 2000

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Active Date: 04-03-92
Tank Use: PETROLEUM
STG: P
Content: Not reported
Number Of Tanks: Not reported

Name: UNOCAL CARSON PLANT
Address: 1520 E SEPULVEDA BLVD
City: CARSON
Status: Active
Comp Number: 16650
Number: 1
Board Of Equalization: Not reported
Referral Date: 04-03-92
Action Date: 04-03-92
Created Date: 04-03-92
Owner Tank Id: WPL-8
SWRCB Tank Id: 19-000-016650-000015
Tank Status: A
Capacity: 971
Active Date: 04-03-92
Tank Use: OIL
STG: P
Content: Not reported
Number Of Tanks: Not reported

Name: UNOCAL CARSON PLANT
Address: 1520 E SEPULVEDA BLVD
City: CARSON
Status: Active
Comp Number: 16650
Number: 1
Board Of Equalization: Not reported
Referral Date: 04-03-92
Action Date: 04-03-92
Created Date: 04-03-92
Owner Tank Id: 0083
SWRCB Tank Id: 19-000-016650-000016
Tank Status: A
Capacity: 750
Active Date: 04-03-92
Tank Use: PETROLEUM
STG: P
Content: Not reported
Number Of Tanks: Not reported

Name: UNOCAL CARSON PLANT
Address: 1520 E SEPULVEDA BLVD
City: CARSON
Status: Active
Comp Number: 16650
Number: 1
Board Of Equalization: Not reported
Referral Date: 04-03-92
Action Date: 04-03-92
Created Date: 04-03-92
Owner Tank Id: 0038/10

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

SWRCB Tank Id: 19-000-016650-000017
Tank Status: A
Capacity: 185000
Active Date: 04-03-92
Tank Use: PETROLEUM
STG: W
Content: Not reported
Number Of Tanks: Not reported

CA FID UST:
Facility ID: 19036020
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 3105188412
Mail To: Not reported
Mailing Address: PO BOX
Mailing Address 2: Not reported
Mailing City,St,Zip: CARSON 90745
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

CHMIRS:
Name: Not reported
Address: 1520 E. SEPULVEDA BLVD
City,State,Zip: CARSON, CA 90745
OES Incident Number: 16-4991
OES notification: 08/16/2016
OES Date: Not reported
OES Time: Not reported
Date Completed: **Not reported**
Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported
Time Completed: Not reported
Surrounding Area: Not reported
Estimated Temperature: Not reported
Property Management: Not reported
More Than Two Substances Involved?: Not reported
Resp Agncy Personel # Of Decontaminated: Not reported
Responding Agency Personel # Of Injuries: Not reported
Responding Agency Personel # Of Fatalities: Not reported
Others Number Of Decontaminated: Not reported
Others Number Of Injuries: Not reported
Others Number Of Fatalities: Not reported
Vehicle Make/year: Not reported
Vehicle License Number: Not reported
Vehicle State: Not reported
Vehicle Id Number: Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	n/a
Spill Site:	Refinery
Cleanup By:	Unrecoverable
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	VAPOR
Measure:	Lbs.
Other:	Not reported
Date/Time:	1000
Year:	2016
Agency:	Phillips 66 Carson
Incident Date:	Not reported
Admin Agency:	LACoFD Health Haz-Mat
Amount:	Not reported
Contained:	Yes
Site Type:	n/a
E Date:	Not reported
Substance:	Sulfer Dioxide
Quantity Released:	500
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	RP states: Sulfer Dioxide being combusted at flares, more than 500lbs has been released to the atmosphere. Reason for flare is under investigation. Release is contained and no longer releasing as of approximately 1040 hours. No waterways impacted. Rel
Name:	Not reported
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
OES Incident Number:	0-3869
OES notification:	08/28/2000
OES Date:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	none
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2000
Agency:	Tosco Refinery
Incident Date:	8/28/200012:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	No
Site Type:	Refinery
E Date:	Not reported
Substance:	Nitrogen Oxide
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Having excess flaring, possibly from power outage. Still investigating
Name:	Not reported
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
OES Incident Number:	1-2372
OES notification:	04/23/2001
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2001
Agency:	Tosco
Incident Date:	4/23/200112:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Unknown
Site Type:	Refinery

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

E Date:	Not reported
Substance:	Fire
Unknown:	0.000000
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	A raw gas compressor at the cocker unit caught on fire. The fire has spread to other parts of the refinery. Actual cause still under investigation.

Name:	Not reported
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
OES Incident Number:	802
OES notification:	Not reported
OES Date:	4/18/1994
OES Time:	04:05:46 PM
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	YES
Waterway:	Not reported
Spill Site:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Cleanup By:	refinery maintenance crew
Containment:	Not reported
What Happened:	Not reported
Type:	PETROLEUM
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1994
Agency:	unocal
Incident Date:	18/1600 apr 94
Admin Agency:	Not reported
Amount:	1bbl
Contained:	NO
Site Type:	REF PL
E Date:	Not reported
Substance:	light coker gas oil
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	NO
Number of Injuries:	NO
Number of Fatalities:	NO
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	pipeline blocked shut , over pressured and caused valve to leak, due to warm weather

Name:	Not reported
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
OES Incident Number:	0-3531
OES notification:	08/07/2000
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	none
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2000
Agency:	Tosco Refining
Incident Date:	8/7/200012:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	No
Site Type:	Refinery
E Date:	Not reported
Substance:	Hydrogen Sulfide
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Being release from one of the East Flare starting at 0700. Having hard keeping flare lit. Currently the flare is lit, still trouble shooting this issue.
Name:	Not reported
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA
OES Incident Number:	2-6441
OES notification:	11/25/2002
OES Date:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	N/A
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2002
Agency:	Conocophillips Co
Incident Date:	11/25/200212:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Refinery
E Date:	Not reported
Substance:	SO2
Gallons:	0.000000
Pounds:	500
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Per caller, an upset of a refinery caused the release.
Name:	Not reported
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
OES Incident Number:	12-0011
OES notification:	01/02/2012
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Refinery
Cleanup By:	N/A
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Lbs.
Other:	Not reported
Date/Time:	852
Year:	2012
Agency:	Conoco Phillips
Incident Date:	1/2/2012
Admin Agency:	LACoFD Health Haz-Mat
Amount:	Not reported
Contained:	No

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Site Type:	Not reported
E Date:	Not reported
Substance:	Sulfur Dioxide, SO2
Quantity Released:	500
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	During a planned flaring event the release occurred, material combusted and vented directly into the atmosphere, release is still occurring and no clean up needed.
Name:	Not reported
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
OES Incident Number:	0-2963
OES notification:	07/03/2000
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	N/A
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2000
Agency:	Tosco Refining Co
Incident Date:	7/1/200012:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Refinery
E Date:	Not reported
Substance:	Nitrogen Dioxide
Gallons:	0.000000
Pounds:	26
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Two boilers at the Carson site have flue gas re-circulation (FGR) fans. Due to a momentary power blip, the FGR's shut down. The boilers kept running but the FGR fans shut down.

US FIN ASSUR:

Name:	PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA
EPA ID:	CAD980881676
County:	Not reported
Mechanism type:	C
Mechanism Type Description:	CORPORATE GUARANTEE
Cost estimate:	2000000
Face value:	2000000
Effective date:	2015-03-24 00:00:00
Provider:	PHILLIPS 66
EPA region:	9

Name:	PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Address: 1520 E SEPULVEDA BLVD
City,State,Zip: CARSON, CA
EPA ID: CAD980881676
County: Not reported
Mechanism type: C
Mechanism Type Description: CORPORATE GUARANTEE
Cost estimate: 2200000
Face value: 11260881.75
Effective date: 2017-03-23 00:00:00
Provider: PHILLIPS 66
EPA region: 9

Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Address: 1520 E SEPULVEDA BLVD
City,State,Zip: CARSON, CA
EPA ID: CAD980881676
County: Not reported
Mechanism type: C
Mechanism Type Description: CORPORATE GUARANTEE
Cost estimate: 2258630
Face value: 11319610.23
Effective date: 2018-03-23 00:00:00
Provider: PHILLIPS 66
EPA region: 9

Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Address: 1520 E SEPULVEDA BLVD
City,State,Zip: CARSON, CA
EPA ID: CAD980881676
County: Not reported
Mechanism type: F
Mechanism Type Description: FINANCIAL TEST
Cost estimate: 607000
Face value: 1928270
Effective date: 2008-03-24 00:00:00
Provider: CONOCO-PHILLIPS
EPA region: 9

Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Address: 1520 E SEPULVEDA BLVD
City,State,Zip: CARSON, CA
EPA ID: CAD980881676
County: Not reported
Mechanism type: C
Mechanism Type Description: CORPORATE GUARANTEE
Cost estimate: 6000000
Face value: 6000000
Effective date: 2015-03-24 00:00:00
Provider: PHILLIPS 66
EPA region: 9

Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Address: 1520 E SEPULVEDA BLVD
City,State,Zip: CARSON, CA
EPA ID: CAD980881676
County: Not reported
Mechanism type: C

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Mechanism Type Description: CORPORATE GUARANTEE
Cost estimate: 1928270
Face value: 621516.81
Effective date: 2011-03-22 00:00:00
Provider: CONOCO PHILLIPS
EPA region: 9

Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Address: 1520 E SEPULVEDA BLVD
City,State,Zip: CARSON, CA
EPA ID: CAD980881676
County: Not reported
Mechanism type: C
Mechanism Type Description: CORPORATE GUARANTEE
Cost estimate: 8000000
Face value: 11319610.23
Effective date: 2018-03-23 00:00:00
Provider: PHILLIPS 66
EPA region: 9

2020 COR ACTION:
EPA ID: CAD980881676
Region: 9
Action: Not reported

Facility, Chemical, Releases and Other Waste Management Summary Information:
TRI ID: 90745NCLCR1520E
Form Type: Form R
Reporting year: 2018
Trade secret indicator: NO
Sanitized indicator: NO
Title of certifying official: DIRECTOR, ENVIRONMENTAL SERVICES MARSHALL WALLER
Certifying officials signature indicator: ELECTRONIC
Date signed: 2019-06-28
Name: PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT
Address: 1520 E SEPULVEDA BLVD
City,State,Zip: CARSON, CA 90745
BIA code: Not reported
Tribe name: Not reported
Mailing name: PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT
Mailing street: 1520 E SEPULVEDA BLVD
Mailing province: Not reported
Mailing City,State,Zip: CARSON, CA 90745
Entire facility ind: YES
Partial facility ind: NO
Federal facility ind: NO
Goco facility ind: NO
Assigned fed facility flag: NO
Public contact name: KENNETH DAMI
Public contact phone and Ext: 3109526028
Public contact email: KENNETH.G.DAMI@P66.COM
Primary sic code: Not reported
Sic code 2: Not reported
Sic code 3: Not reported
Sic code 4: Not reported
Sic code 5: Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Sic code 6:	Not reported
Naics origin:	Not reported
Primary naics code:	324110
Naics code 2:	Not reported
Naics code 3:	Not reported
Naics code 4:	Not reported
Naics code 5:	Not reported
Naics code 6:	Not reported
Latitude:	33.8048
Longitude:	-118.2431
D and B number A:	941874562
D and B number B:	Not reported
RCRA number A:	CAR000215210
RCRA number B:	CAD983658220
RCRA number C:	CAD980881676
RCRA number D:	Not reported
RCRA number E:	Not reported
RCRA number F:	Not reported
RCRA number G:	Not reported
RCRA number H:	Not reported
NPDES number A:	CAZ437378
NPDES number B:	CA0063185
NPDES number C:	Not reported
NPDES number D:	Not reported
NPDES number E:	Not reported
NPDES number F:	Not reported
NPDES number G:	Not reported
Parent company name:	PHILLIPS 66 CO
Parent company D and B number:	078378508
Standardized parent company name:	PHILLIPS 66
Document control number:	1318217363480
TRI ID:	90745NCLCR1520E
Cas number:	000100414
Chemical name: ETHYLBENZENE	
Classification:	TRI
Unit of measure:	Pounds
Metal ind:	NO
Revision code 1:	Not reported
Revision code 2:	Not reported
Maximum amount on site:	07
Fugitive air emissions - total release pounds:	200
Fugitive air emissions - total release range code:	Not reported
Total fugitive air emissions:	200
Fugitive air emissions - basis of estimate:	Other
Stack air emissions - release pounds:	260
Stack air emissions - release range code:	Not reported
Total stack air emissions:	260
Stack air emissions - basis of estimate:	Periodic/Random Monotoning Data
Total air emissions:	460
Discharges to stream a - stream name:	NA
Total discharges to stream a:	0
Discharges to stream a - basis of estimate:	Not reported
Discharges to stream a - % from stormwater:	Not reported
Discharges to stream b - stream name:	Not reported
Total discharges to stream b:	Not reported
Discharges to stream b - basis of estimate:	Not reported
Discharges to stream b - % from stormwater:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Discharges to stream c - stream name:	Not reported
Total discharges to stream c:	Not reported
Discharges to stream c - basis of estimate:	Not reported
Discharges to stream c - % from stormwater:	Not reported
Discharges to stream d - stream name:	Not reported
Total discharges to stream d:	Not reported
Discharges to stream d - basis of estimate:	Not reported
Discharges to stream d - % from stormwater:	Not reported
Discharges to stream e - stream name:	Not reported
Total discharges to stream e:	Not reported
Discharges to stream e - basis of estimate:	Not reported
Discharges to stream e - % from stormwater:	Not reported
Discharges to stream f - stream name:	Not reported
Total discharges to stream f:	Not reported
Discharges to stream f - basis of estimate:	Not reported
Discharges to stream f - % from stormwater:	Not reported
Discharges to stream g - stream name:	Not reported
Total discharges to stream g:	Not reported
Discharges to stream g - basis of estimate:	Not reported
Discharges to stream g - % from stormwater:	Not reported
Total number of receiving streams:	0
Total surface water discharge:	0
Total on-site underground inj - pounds:	Not reported
On-site underground inj - basis of estimate:	Not reported
Total on-site ugrnd inj to cl i wells - pounds:	0
On-site underground inj to c1 i wells - basis of estimate:	Not reported
Total on-site ugrnd inj to cl ii-v wells - pounds:	0
On-site ungrnd inj to cl ii-v wells - basis of estimate:	Not reported
Total on-site underground injection:	0
Total on-site landfills:	Not reported
On-site landfills - basis of estimate:	Not reported
Total on-site RCRA subtitle c landfills:	0
On-site RCRA subtitle c landfills - basis of estimate:	Not reported
Total other on-site landfills:	0
Other landfills - basis of estimate:	Not reported
Total on-site land treatment:	0
Land trtmt/appl farming - basis of estimate:	Not reported
Total surface impoundments:	Not reported
Surface impoundment - basis of estimate:	Not reported
Total RCRA c surface impoundments:	0
RCRA c Surface impoundment - basis of estimate:	Not reported
Total other surface impoundments:	0
Other surface impoundment - basis of estimate:	Not reported
Total other disposal:	0
Other disposal - basis of estimate:	Other
Total on-site land releases:	0
Total on-site releases:	460
Off-site - POTW releases:	62.4
Off-site - storage only:	0
Off-site - solid/stab - metals:	0
Off-site - wastewater treatment release - metals:	0
Off-site - solid/stab - release - metals:	0
Off-site - wastewater treatment - metals:	0
Off-site - underground injection:	0
Off-site - underground injection - class 1 wells:	0
Off-site - underground injection - class ii-v wells:	0
Off-site - landfills/disposal surface impoundments:	0

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Off-site - surface impoundment:	0
Off-site - RCRA subtitle c surface impoundments:	0
Off-site - other surface impoundments:	0
Off-site - other landfills:	1
Off-site - RCRA subtitle c landfills:	0
Off-site - disposal - land treatment:	0
Off-site - disposal - other land disposal:	0
Off-site - disposal - other off-site management:	0
Off-site - disposal - transfer to waste broker:	0
Off-site - disposal - unknown:	0
Total transferred off site for disposal:	63.4
Off-site - recycling - solvents/organics recovery:	0
Off-site - recycling -metals recovery:	0
Off-site - recycling - other reuse or recovery:	0
Off-site - recycling - acid regeneration:	0
Off-site - recycling - transfer to waste broker:	0
Total transferred off site for recycling:	0
Off-site - energy recovery:	0
Off-site - transfer to waste broker for energy recovery:	0
Total transferred off site for energy recovery:	0
Off-site - POTW treatment:	67.6
Off-site - solid/stab treatment - non metals:	0
Off-site -incineration/thermal treatment:	1
Off-site - incineration/insignificant heat value:	0
Off-site - wastewater treatment - non-metals:	0
Off-site - other waste treatment:	0
Off-site - transfer to waste broker - waste treatment:	3
Total transferred off site for treatment:	71.6
Off-site - transfer to waste broker:	0
Total transferred off site for further waste management:	72.6
Total POTW transfer:	130
Energy recovery on site current year:	0
Recycled on site current year:	0
Treated on site current year:	0
Total on-site waste management:	0
On-site energy recovery method 1:	Not Applicable
On-site energy recovery method 2:	Not reported
On-site energy recovery method 3:	Not Applicable
On-site energy recovery method 4:	Not reported
On-site recycling processes method 1:	Not Applicable
On-site recycling processes method 2:	Not reported
On-site recycling processes method 3:	Not reported
On-site recycling processes method 4:	Not reported
On-site recycling processes method 5:	Not reported
On-site recycling processes method 6:	Not reported
On-site recycling processes method 7:	Not reported
FRS Facility ID:	110038102969
Elemental Metal Included:	NO
Waste Rock Pile managed Indicator:	0
Waste Rock Quantity:	Not reported
Off Site - POTW Releases 81C:	3.9
Off Site - POTW Releases 81D:	58.5

Chemical Activities and Uses:

Cas number:	000100414
Document control number:	1318217363480
Chemical name: ETHYLBENZENE	
Classification:	TRI

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Unit of measure:	Pounds
Produce the chemical:	Yes
Import the chemical:	Yes
On-site use of the chemical:	Yes
Sale or distribution of the chemical:	No
As a byproduct:	No
As a manufactured impurity:	No
Used as a reactant:	No
P101 feedstocks:	No
P102 raw materials:	No
P103 intermediates:	No
P104 initiators:	No
P199 other:	No
Added as a formulation component:	No
P201 additives:	No
P202 dyes:	No
P203 reaction diluents:	No
P204 initiators:	No
P205 solvents:	No
P206 inhibitors:	No
P207 emulsifiers:	No
P208 surfactants:	No
P209 lubricants:	No
P210 flame retardants:	No
P211 rheological modifiers:	No
P299 other:	No
Used as an article component:	No
Repackaging:	No
As a process impurity:	No
Processed / recycling:	No
Used as a chemical processing aid:	Yes
Z101 process solvents:	No
Z102 catalysts:	No
Z103 inhibitors:	No
Z104 initiators:	No
Z105 reaction terminators:	No
Z106 solution buffers:	No
Z199 other:	No
Used as a manufacturing aid:	No
Z201 process lubricants:	No
Z202 metalworking fluids:	No
Z203 coolants:	No
Z204 refrigerants:	No
Z205 hydraulic fluids:	No
Z299 other:	No
Ancillary or other use:	Yes
Z301 cleaner:	No
Z302 degreaser:	No
Z303 lubricant:	No
Z304 fuel:	No
Z305 flame retardant:	No
Z306 waste treatment:	No
Z307 water treatment:	No
Z308 construction materials:	No
Z399 other:	No

Submitted Facility Name: PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Submitted Street:	1520 E SEPULVEDA BLVD
Submitted City:	CARSON
Submitted County:	LOS ANGELES
Submitted State:	CA
Submitted Zip Code:	90745
Submitted BIA Code:	Not reported
Submitted Tribe Name:	Not reported
Submitted Parent Company Name:	PHILLIPS 66 CO
Submitted Parent Company DB Number:	078378508
Submitted Standardized Parent Company Name:	PHILLIPS 66
Submitted Primary NAICS Code:	324110
Submitted Industry Code:	324
Submitted Industry Name:	Petroleum
Industry Code:	324
Industry Name:	Petroleum
Last year the facility reported:	2019
First year the facility reported:	1991
Number of forms submitted:	24
Total number of forms submitted:	667 20200808

Detailed Source Reduction Activities and Methods:

Cas number:	000100414
Document control number:	1318217363480
Chemical name: ETHYLBENZENE	
Classification:	TRI
Unit of measure:	Pounds
On-site limited releases - prior year:	0
On-site limited releases - current year:	0
On-site limited releases - following year:	0
On-site limited releases - 2nd-following year:	0
Other on-site releases - prior year:	400
Other on-site releases - current year:	460
Other on-site releases - following year:	460
Other on-site releases - 2nd-following year:	460
Off-site limited releases - prior year:	2
Off-site limited releases - current year:	5
Off-site limited releases - following year:	5
Off-site limited releases - 2nd-following year:	5
Other off-site releases - previous year:	0
Other off-site releases - current year:	59
Other off-site releases - following year:	59
Other off-site releases - 2nd-following year:	59
Energy recovery on site prior year:	0
Energy recovery on site current year:	0
Energy recovery on site following year:	0
Energy recovery on site 2nd-following year:	0
Energy recovery off site prior year:	0
Energy recovery off site current year:	0
Energy recovery off site following year:	0
Energy recovery off site 2nd-following year:	0
Quantity recycled on site prior year:	0
Quantity recycled on site current year:	0
Quantity recycled on site following year:	0
Quantity recycled on site 2nd-following year:	0
Quantity recycled off site prior year:	1
Quantity recycled off site current year:	0
Quantity recycled off site following year:	0

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Quantity recycled off site 2nd-following year:	0
Quantity treated on site prior year:	0
Quantity treated on site current year:	0
Quantity treated on site following year:	0
Quantity treated on site 2nd-following year:	0
Quantity treated off site prior year:	380
Quantity treated off site current year:	72
Quantity treated off site following year:	72
Quantity treated off site 2nd-following year:	72
Catastrophic releases or other one-time events:	Not reported
Prod ratio/activity index:	1
Prod ratio or activity:	PRODUCTION
1st SR reduction activity:	NA-NA
1st SR activity ID meth code and desc 1:	Not reported
1st SR activity ID meth code and desc 2:	Not reported
1st SR activity ID meth code and desc 3:	Not reported
EST Ann REDN 1st source REDN act code and desc:	Not reported
2nd SR activity code and desc:	Not reported
2nd SR activity ID meth code and desc 1:	Not reported
2nd SR activity ID meth code and desc 2:	Not reported
2nd SR activity ID meth code and desc 3:	Not reported
EST Ann REDN 2nd source REDN act code and desc:	Not reported
3rd SR activity code and desc:	Not reported
3rd SR activity ID meth code and desc 1:	Not reported
3rd SR activity ID meth code and desc 2:	Not reported
3rd SR activity ID meth code and desc 3:	Not reported
EST Ann REDN 3rd source REDN act code and desc:	Not reported
4th SR activity code and desc:	Not reported
4th SR activity ID meth code and desc 1:	Not reported
4th SR activity ID meth code and desc 2:	Not reported
4th SR activity ID meth code and desc 3:	Not reported
EST Ann REDN 4th source REDN act code and desc:	Not reported

Detailed On-site Waste Treatment Methods and Efficiency:

Cas number:	000100414
Document control number:	1318217363480
Chemical name: ETHYLBENZENE	
Classification:	TRI
Unit of measure:	Pounds
Stream 1 - waste stream code:	NA
Stream 1 - trtmt method - sequence 1:	Not reported
Stream 1 - trtmt method - sequence 2:	Not reported
Stream 1 - trtmt method - sequence 3:	Not reported
Stream 1 - trtmt method - sequence 4:	Not reported
Stream 1 - trtmt method - sequence 5:	Not reported
Stream 1 - trtmt method - sequence 6:	Not reported
Stream 1 - trtmt method - sequence 7:	Not reported
Stream 1 - trtmt method - sequence 8:	Not reported
Stream 1 - based on operating data:	Not reported
Stream 2 - waste stream code:	Not reported
Stream 2 - trtmt method - sequence 1:	Not reported
Stream 2 - trtmt method - sequence 2:	Not reported
Stream 2 - trtmt method - sequence 3:	Not reported
Stream 2 - trtmt method - sequence 4:	Not reported
Stream 2 - trtmt method - sequence 5:	Not reported
Stream 2 - trtmt method - sequence 6:	Not reported
Stream 2 - trtmt method - sequence 7:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Stream 2 - trtmt method - sequence 8:	Not reported
Stream 2 - based on operating data:	Not reported
Stream 3 - waste stream code:	Not reported
Stream 3 - trtmt method - sequence 1:	Not reported
Stream 3 - trtmt method - sequence 2:	Not reported
Stream 3 - trtmt method - sequence 3:	Not reported
Stream 3 - trtmt method - sequence 4:	Not reported
Stream 3 - trtmt method - sequence 5:	Not reported
Stream 3 - trtmt method - sequence 6:	Not reported
Stream 3 - trtmt method - sequence 7:	Not reported
Stream 3 - trtmt method - sequence 8:	Not reported
Stream 3 - based on operating data:	Not reported
Stream 4 - waste stream code:	Not reported
Stream 4 - trtmt method - sequence 1:	Not reported
Stream 4 - trtmt method - sequence 2:	Not reported
Stream 4 - trtmt method - sequence 3:	Not reported
Stream 4 - trtmt method - sequence 4:	Not reported
Stream 4 - trtmt method - sequence 5:	Not reported
Stream 4 - trtmt method - sequence 6:	Not reported
Stream 4 - trtmt method - sequence 7:	Not reported
Stream 4 - trtmt method - sequence 8:	Not reported
Stream 4 - based on operating data:	Not reported
Stream 5 - waste stream code:	Not reported
Stream 5 - trtmt method - sequence 1:	Not reported
Stream 5 - trtmt method - sequence 2:	Not reported
Stream 5 - trtmt method - sequence 3:	Not reported
Stream 5 - trtmt method - sequence 4:	Not reported
Stream 5 - trtmt method - sequence 5:	Not reported
Stream 5 - trtmt method - sequence 6:	Not reported
Stream 5 - trtmt method - sequence 7:	Not reported
Stream 5 - trtmt method - sequence 8:	Not reported
Stream 5 - based on operating data:	Not reported

Details of Off-site Transfers:

Cas number:	000100414
Document control number:	1318217363480
Chemical name: ETHYLBENZENE	
Classification:	TRI
Offsite RCRA id nr:	CAL000360512
Offsite transfer sequence number:	10
Offsite name:	ENVENT CORPORATION
Offsite street address:	3220 E. 29TH STREET
Offsite City,State,Zip:	LONG BEACH, CA 90806
Offsite county:	LOS ANGELES
Offsite province:	Not reported
Offsite country id:	Not reported
Offsite control:	NO
Unit of measure:	Pounds
Total amount transferred offsite for disposal:	0
Total amount transferred offsite for recycling:	0
Total amount transferred offsite for energy recovery:	0
Offsite TRF to WST broker for WT m95 LBS:	3
Offsite TRF to WST broker for WT m95 BOE:	Periodic/Random Monotoning Data
Total amount transferred offsite for treatment:	3
FRS ID - Transfer Location:	Not reported
Offsite RCRA id nr:	NA

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Offsite transfer sequence number:	11
Offsite name:	SOIL SAFE
Offsite street address:	12328 HIBISCUS RD
Offsite City,State,Zip:	ADELANTO, CA 92301
Offsite county:	SAN BERNARDINO
Offsite province:	Not reported
Offsite country id:	Not reported
Offsite control:	NO
Unit of measure:	Pounds
Total amount transferred offsite for disposal:	0
Total amount transferred offsite for recycling:	0
Total amount transferred offsite for energy recovery:	0
Offsite incineration/thermal treatment m50 BOE:	Periodic/Random Monotoning Data
Total amount transferred offsite for treatment:	0
FRS ID - Transfer Location:	Not reported

Offsite RCRA id nr:	NA
Offsite transfer sequence number:	2
Offsite name:	KLEEN BLAST RANCHO CUCAMONGA
Offsite street address:	9871 8TH ST.
Offsite City,State,Zip:	RANCHO CUCAMONGA, CA 91730
Offsite county:	SAN BERNARDINO
Offsite province:	Not reported
Offsite country id:	Not reported
Offsite control:	NO
Unit of measure:	Pounds
Total amount transferred offsite for disposal:	0
Offsite other reuse or recovery m26 BOE:	Periodic/Random Monotoning Data
Total amount transferred offsite for recycling:	0
Total amount transferred offsite for energy recovery:	0
Total amount transferred offsite for treatment:	0
FRS ID - Transfer Location:	Not reported

Offsite RCRA id nr:	NED981723513
Offsite transfer sequence number:	3
Offsite name:	CLEAN HARBORS KIMBALL
Offsite street address:	5 MILES SOUTH OF KIMBALL ON HIGHWAY 71
Offsite City,State,Zip:	KIMBALL, NE 69145
Offsite county:	KIMBALL
Offsite province:	Not reported
Offsite country id:	Not reported
Offsite control:	NO
Unit of measure:	Pounds
Total amount transferred offsite for disposal:	0
Total amount transferred offsite for recycling:	0
Total amount transferred offsite for energy recovery:	0
Offsite incineration/thermal treatment m50 LBS:	1
Offsite incineration/thermal treatment m50 BOE:	Periodic/Random Monotoning Data
Total amount transferred offsite for treatment:	1
FRS ID - Transfer Location:	Not reported

Offsite RCRA id nr:	UTD991301748
Offsite transfer sequence number:	4
Offsite name:	CLEAN HARBORS GRASSY MOUNTAIN
Offsite street address:	3 MILES EAST, 7 MILES NROTH KNOL
Offsite City,State,Zip:	GRANTSVILLE, UT 84029
Offsite county:	TOOELE

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Offsite province:	Not reported
Offsite country id:	Not reported
Offsite control:	NO
Unit of measure:	Pounds
Offsite RCRA subtitle c landfillsm65 BOE:	Periodic/Random Monotoning Data
Total amount transferred offsite for disposal:	0
Total amount transferred offsite for recycling:	0
Total amount transferred offsite for energy recovery:	0
Total amount transferred offsite for treatment:	0
FRS ID - Transfer Location:	110013709754
Offsite RCRA id nr:	CAD044429835
Offsite transfer sequence number:	5
Offsite name:	CLEAN HARBORS WILMINGTON, LLC
Offsite street address:	1737 EAST DENNI STREET
Offsite City,State,Zip:	WILMINGTON, CA 90744
Offsite county:	LOS ANGELES
Offsite province:	Not reported
Offsite country id:	Not reported
Offsite control:	NO
Unit of measure:	Pounds
Offsite TRF to WST broker for DSP m94 BOE:	Periodic/Random Monotoning Data
Total amount transferred offsite for disposal:	0
Total amount transferred offsite for recycling:	0
Total amount transferred offsite for energy recovery:	0
Total amount transferred offsite for treatment:	0
FRS ID - Transfer Location:	Not reported
Offsite RCRA id nr:	TXD074195678
Offsite transfer sequence number:	6
Offsite name:	GLADIEUX METALS RECYCLING
Offsite street address:	302 MIDWAY ROAD
Offsite City,State,Zip:	FREEPORT, TX 77542
Offsite county:	BRAZORIA
Offsite province:	Not reported
Offsite country id:	Not reported
Offsite control:	NO
Unit of measure:	Pounds
Total amount transferred offsite for disposal:	0
Offsite other reuse or recovery m26 BOE:	Periodic/Random Monotoning Data
Total amount transferred offsite for recycling:	0
Total amount transferred offsite for energy recovery:	0
Total amount transferred offsite for treatment:	0
FRS ID - Transfer Location:	Not reported
Offsite RCRA id nr:	UTD981552177
Offsite transfer sequence number:	7
Offsite name:	CLEAN HARBORS ARAGONITE LLC
Offsite street address:	11600 NORTH APTUS ROAD
Offsite City,State,Zip:	ARAGONITE, UT 84029
Offsite county:	TOOELE
Offsite province:	Not reported
Offsite country id:	Not reported
Offsite control:	NO
Unit of measure:	Pounds
Total amount transferred offsite for disposal:	0
Total amount transferred offsite for recycling:	0

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Total amount transferred offsite for energy recovery:	0
Offsite incineration/thermal treatment m50 BOE:	Periodic/Random Monotoning Data
Total amount transferred offsite for treatment:	0
FRS ID - Transfer Location:	Not reported
Offsite RCRA id nr:	CAD980675276
Offsite transfer sequence number:	8
Offsite name:	CLEANHARBORS OF BUTTONWILLOW
Offsite street address:	2500 WEST LOKERN
Offsite City,State,Zip:	BUTTONWILLOW, CA 93206
Offsite county:	KERN
Offsite province:	Not reported
Offsite country id:	Not reported
Offsite control:	NO
Unit of measure:	Pounds
Offsite RCRA subtitle c landfillsm65 BOE:	Periodic/Random Monotoning Data
Total amount transferred offsite for disposal:	0
Total amount transferred offsite for recycling:	0
Total amount transferred offsite for energy recovery:	0
Total amount transferred offsite for treatment:	0
FRS ID - Transfer Location:	Not reported
Offsite RCRA id nr:	UTR000000687
Offsite transfer sequence number:	9
Offsite name:	EAST CARBON DEVELOPMENT COMPANY ENVIRONMENTAL
Offsite street address:	1111 WEST HIGHWAY 123/BOX 69
Offsite City,State,Zip:	EAST CARBON, UT 84520
Offsite county:	CARBON
Offsite province:	Not reported
Offsite country id:	Not reported
Offsite control:	NO
Unit of measure:	Pounds
Offsite other landfills m64 LBS:	1
Offsite other landfills m64 BOE:	Periodic/Random Monotoning Data
Total amount transferred offsite for disposal:	1
Total amount transferred offsite for recycling:	0
Total amount transferred offsite for energy recovery:	0
Total amount transferred offsite for treatment:	0
FRS ID - Transfer Location:	Not reported

Details of Transfers to Publicly Owned Treatment Works:

Cas number:	000100414
Document control number:	1318217363480
Chemical name: ETHYLBENZENE	
Classification:	TRI
Unit of measure:	Pounds
POTW name:	LOS ANGELES COUNTY SANITATION DISTRICT
POTW address:	24501 S FIGUEROA ST
POTW City,State,Zip:	CARSON, CA 90745
POTW county:	LOS ANGELES
Quantity transferred:	130
Basis of estimate:	Not reported
Discharges to water streams:	0
Discharges to water streams - basis of estimate:	Not reported
Discharges to other activities:	0
Discharges to other activities - basis of estimate:	Not reported
Released to air:	0

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Released to air - basis of estimate:	Not reported
Sludge to disposal:	3.9
Sludge to disposal - basis of estimate:	Published Emission Factors
Sludge to incineration - metals:	0
Sludge to incineration - metals - basis of estimate:	Not reported
Sludge to agricultural applications:	0
Sludge to agricultural applications - basis of estimate:	Not reported
Other or unknown disposal:	58.5
Other or unknown disposal - basis of estimate:	Published Emission Factors
Other or unknown treatment:	0
Other or unknown treatment - basis of estimate:	Not reported
Sludge to incineration - nonmetals:	0
Sludge to incineration - nonmetals - basis of estimate:	Not reported
Total treated:	67.6
POTW Registry ID:	Not reported
Off Site - POTW Releases 81C:	3.9
Off Site - POTW Releases 81D:	58.5
Off Site - POTW Releases:	62.4
Experimental and Est. Treatment:	67.6
Experimental and Est. Treatment - Basis of Est.:	E1

TRI ID:		90745NCLCR1520E
Cas number:		000110827
Chemical name:	CYCLOHEXANE	
Classification:		TRI
Unit of measure:		Pounds
Metal ind:		NO
Revision code 1:		Not reported
Revision code 2:		Not reported
Maximum amount on site:		07
Fugitive air emissions - total release pounds:		390
Fugitive air emissions - total release range code:		Not reported
Total fugitive air emissions:		390
Fugitive air emissions - basis of estimate:		Other
Stack air emissions - release pounds:		300
Stack air emissions - release range code:		Not reported
Total stack air emissions:		300
Stack air emissions - basis of estimate:		Other
Total air emissions:		690
Discharges to stream a - stream name:		NA
Total discharges to stream a:		0
Discharges to stream a - basis of estimate:		Not reported
Discharges to stream a - % from stormwater:		Not reported
Discharges to stream b - stream name:		Not reported
Total discharges to stream b:		Not reported
Discharges to stream b - basis of estimate:		Not reported
Discharges to stream b - % from stormwater:		Not reported
Discharges to stream c - stream name:		Not reported
Total discharges to stream c:		Not reported
Discharges to stream c - basis of estimate:		Not reported
Discharges to stream c - % from stormwater:		Not reported
Discharges to stream d - stream name:		Not reported
Total discharges to stream d:		Not reported
Discharges to stream d - basis of estimate:		Not reported
Discharges to stream d - % from stormwater:		Not reported
Discharges to stream e - stream name:		Not reported

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Total discharges to stream e:	Not reported
Discharges to stream e - basis of estimate:	Not reported
Discharges to stream e - % from stormwater:	Not reported
Discharges to stream f - stream name:	Not reported
Total discharges to stream f:	Not reported
Discharges to stream f - basis of estimate:	Not reported
Discharges to stream f - % from stormwater:	Not reported
Discharges to stream g - stream name:	Not reported
Total discharges to stream g:	Not reported
Discharges to stream g - basis of estimate:	Not reported
Discharges to stream g - % from stormwater:	Not reported
Total number of receiving streams:	0
Total surface water discharge:	0
Total on-site underground inj - pounds:	Not reported
On-site underground inj - basis of estimate:	Not reported
Total on-site ugrnd inj to cl i wells - pounds:	0
On-site underground inj to c1 i wells - basis of estimate:	Not reported
Total on-site ugrnd inj to cl ii-v wells - pounds:	0
On-site ungrnd inj to cl ii-v wells - basis of estimate:	Not reported
Total on-site underground injection:	0
Total on-site landfills:	Not reported
On-site landfills - basis of estimate:	Not reported
Total on-site RCRA subtitle c landfills:	0
On-site RCRA subtitle c landfills - basis of estimate:	Not reported
Total other on-site landfills:	0
Other landfills - basis of estimate:	Not reported
Total on-site land treatment:	0
Land trtmt/appl farming - basis of estimate:	Not reported
Total surface impoundments:	Not reported
Surface impoundment - basis of estimate:	Not reported
Total RCRA c surface impoundments:	0
RCRA c Surface impoundment - basis of estimate:	Not reported
Total other surface impoundments:	0
Other surface impoundment - basis of estimate:	Not reported
Total other disposal:	0
Other disposal - basis of estimate:	Other
Total on-site land releases:	0
Total on-site releases:	690
Off-site - POTW releases:	0
Off-site - storage only:	0
Off-site - solid/stab - metals:	0
Off-site - wastewater treatment release - metals:	0
Off-site - solid/stab - release - metals:	0
Off-site - wastewater treatment - metals:	0
Off-site - underground injection:	0
Off-site - underground injection - class 1 wells:	0
Off-site - underground injection - class ii-v wells:	0
Off-site - landfills/disposal surface impoundments:	0
Off-site - surface impoundment:	0
Off-site - RCRA subtitle c surface impoundments:	0
Off-site - other surface impoundments:	0
Off-site - other landfills:	0
Off-site - RCRA subtitle c landfills:	0
Off-site - disposal - land treatment:	0
Off-site - disposal - other land disposal:	0
Off-site - disposal - other off-site management:	0
Off-site - disposal - transfer to waste broker:	0

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Off-site - disposal - unknown:	0
Total transferred off site for disposal:	0
Off-site - recycling - solvents/organics recovery:	0
Off-site - recycling -metals recovery:	0
Off-site - recycling - other reuse or recovery:	0
Off-site - recycling - acid regeneration:	0
Off-site - recycling - transfer to waste broker:	0
Total transferred off site for recycling:	0
Off-site - energy recovery:	0
Off-site - transfer to waste broker for energy recovery:	0
Total transferred off site for energy recovery:	0
Off-site - POTW treatment:	0
Off-site - solid/stab treatment - non metals:	0
Off-site -incineration/thermal treatment:	0
Off-site - incineration/insignificant heat value:	0
Off-site - wastewater treatment - non-metals:	0
Off-site - other waste treatment:	0
Off-site - transfer to waste broker - waste treatment:	0
Total transferred off site for treatment:	0
Off-site - transfer to waste broker:	0
Total transferred off site for further waste management:	0
Total POTW transfer:	0
Energy recovery on site current year:	0
Recycled on site current year:	0
Treated on site current year:	0
Total on-site waste management:	0
On-site energy recovery method 1:	Not Applicable
On-site energy recovery method 2:	Not reported
On-site energy recovery method 3:	Not Applicable
On-site energy recovery method 4:	Not reported
On-site recycling processes method 1:	Not Applicable
On-site recycling processes method 2:	Not reported
On-site recycling processes method 3:	Not reported
On-site recycling processes method 4:	Not reported
On-site recycling processes method 5:	Not reported
On-site recycling processes method 6:	Not reported
On-site recycling processes method 7:	Not reported
FRS Facility ID:	110038102969
Elemental Metal Included:	NO
Waste Rock Pile managed Indicator:	0
Waste Rock Quantity:	Not reported
Off Site - POTW Releases 81C:	0
Off Site - POTW Releases 81D:	0

Chemical Activities and Uses:

Cas number:	000110827
Document control number:	1318217363466
Chemical name: CYCLOHEXANE	
Classification:	TRI
Unit of measure:	Pounds
Produce the chemical:	Yes
Import the chemical:	Yes
On-site use of the chemical:	Yes
Sale or distribution of the chemical:	No
As a byproduct:	No
As a manufactured impurity:	No
Used as a reactant:	No
P101 feedstocks:	No

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

P102 raw materials:	No
P103 intermediates:	No
P104 initiators:	No
P199 other:	No
Added as a formulation component:	No
P201 additives:	No
P202 dyes:	No
P203 reaction diluents:	No
P204 initiators:	No
P205 solvents:	No
P206 inhibitors:	No
P207 emulsifiers:	No
P208 surfactants:	No
P209 lubricants:	No
P210 flame retardants:	No
P211 rheological modifiers:	No
P299 other:	No
Used as an article component:	No
Repackaging:	No
As a process impurity:	No
Processed / recycling:	No
Used as a chemical processing aid:	No
Z101 process solvents:	No
Z102 catalysts:	No
Z103 inhibitors:	No
Z104 initiators:	No
Z105 reaction terminators:	No
Z106 solution buffers:	No
Z199 other:	No
Used as a manufacturing aid:	No
Z201 process lubricants:	No
Z202 metalworking fluids:	No
Z203 coolants:	No
Z204 refrigerants:	No
Z205 hydraulic fluids:	No
Z299 other:	No
Ancillary or other use:	No
Z301 cleaner:	No
Z302 degreaser:	No
Z303 lubricant:	No
Z304 fuel:	No
Z305 flame retardant:	No
Z306 waste treatment:	No
Z307 water treatment:	No
Z308 construction materials:	No
Z399 other:	No

Submitted Facility Name:	PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT
Submitted Street:	1520 E SEPULVEDA BLVD
Submitted City:	CARSON
Submitted County:	LOS ANGELES
Submitted State:	CA
Submitted Zip Code:	90745
Submitted BIA Code:	Not reported
Submitted Tribe Name:	Not reported
Submitted Parent Company Name:	PHILLIPS 66 CO
Submitted Parent Company DB Number:	078378508

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Submitted Standardized Parent Company Name:	PHILLIPS 66
Submitted Primary NAICS Code:	324110
Submitted Industry Code:	324
Submitted Industry Name:	Petroleum
Industry Code:	324
Industry Name:	Petroleum
Last year the facility reported:	2019
First year the facility reported:	1991
Number of forms submitted:	24
Total number of forms submitted:	667 20200808

Detailed Source Reduction Activities and Methods:

Cas number:	000110827
Document control number:	1318217363466
Chemical name: CYCLOHEXANE	
Classification:	TRI
Unit of measure:	Pounds
On-site limited releases - prior year:	0
On-site limited releases - current year:	0
On-site limited releases - following year:	0
On-site limited releases - 2nd-following year:	0
Other on-site releases - prior year:	960
Other on-site releases - current year:	690
Other on-site releases - following year:	690
Other on-site releases - 2nd-following year:	690
Off-site limited releases - prior year:	0
Off-site limited releases - current year:	0
Off-site limited releases - following year:	0
Off-site limited releases - 2nd-following year:	0
Other off-site releases - previous year:	0
Other off-site releases - current year:	0
Other off-site releases - following year:	0
Other off-site releases - 2nd-following year:	0
Energy recovery on site prior year:	0
Energy recovery on site current year:	0
Energy recovery on site following year:	0
Energy recovery on site 2nd-following year:	0
Energy recovery off site prior year:	0
Energy recovery off site current year:	0
Energy recovery off site following year:	0
Energy recovery off site 2nd-following year:	0
Quantity recycled on site prior year:	0
Quantity recycled on site current year:	0
Quantity recycled on site following year:	0
Quantity recycled on site 2nd-following year:	0
Quantity recycled off site prior year:	0
Quantity recycled off site current year:	0
Quantity recycled off site following year:	0
Quantity recycled off site 2nd-following year:	0
Quantity treated on site prior year:	0
Quantity treated on site current year:	0
Quantity treated on site following year:	0
Quantity treated on site 2nd-following year:	0
Quantity treated off site prior year:	0
Quantity treated off site current year:	0
Quantity treated off site following year:	0
Quantity treated off site 2nd-following year:	0

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Catastrophic releases or other one-time events:	Not reported
Prod ratio/activity index:	1
Prod ratio or activity:	PRODUCTION
1st SR reduction activity:	NA-NA
1st SR activity ID meth code and desc 1:	Not reported
1st SR activity ID meth code and desc 2:	Not reported
1st SR activity ID meth code and desc 3:	Not reported
EST Ann REDN 1st source REDN act code and desc:	Not reported
2nd SR activity code and desc:	Not reported
2nd SR activity ID meth code and desc 1:	Not reported
2nd SR activity ID meth code and desc 2:	Not reported
2nd SR activity ID meth code and desc 3:	Not reported
EST Ann REDN 2nd source REDN act code and desc:	Not reported
3rd SR activity code and desc:	Not reported
3rd SR activity ID meth code and desc 1:	Not reported
3rd SR activity ID meth code and desc 2:	Not reported
3rd SR activity ID meth code and desc 3:	Not reported
EST Ann REDN 3rd source REDN act code and desc:	Not reported
4th SR activity code and desc:	Not reported
4th SR activity ID meth code and desc 1:	Not reported
4th SR activity ID meth code and desc 2:	Not reported
4th SR activity ID meth code and desc 3:	Not reported
EST Ann REDN 4th source REDN act code and desc:	Not reported

Detailed On-site Waste Treatment Methods and Efficiency:

Cas number:	000110827
Document control number:	1318217363466
Chemical name: CYCLOHEXANE	
Classification:	TRI
Unit of measure:	Pounds
Stream 1 - waste stream code:	NA
Stream 1 - trtmt method - sequence 1:	Not reported
Stream 1 - trtmt method - sequence 2:	Not reported
Stream 1 - trtmt method - sequence 3:	Not reported
Stream 1 - trtmt method - sequence 4:	Not reported
Stream 1 - trtmt method - sequence 5:	Not reported
Stream 1 - trtmt method - sequence 6:	Not reported
Stream 1 - trtmt method - sequence 7:	Not reported
Stream 1 - trtmt method - sequence 8:	Not reported
Stream 1 - based on operating data:	Not reported
Stream 2 - waste stream code:	Not reported
Stream 2 - trtmt method - sequence 1:	Not reported
Stream 2 - trtmt method - sequence 2:	Not reported
Stream 2 - trtmt method - sequence 3:	Not reported
Stream 2 - trtmt method - sequence 4:	Not reported
Stream 2 - trtmt method - sequence 5:	Not reported
Stream 2 - trtmt method - sequence 6:	Not reported
Stream 2 - trtmt method - sequence 7:	Not reported
Stream 2 - trtmt method - sequence 8:	Not reported
Stream 2 - based on operating data:	Not reported
Stream 3 - waste stream code:	Not reported
Stream 3 - trtmt method - sequence 1:	Not reported
Stream 3 - trtmt method - sequence 2:	Not reported
Stream 3 - trtmt method - sequence 3:	Not reported
Stream 3 - trtmt method - sequence 4:	Not reported
Stream 3 - trtmt method - sequence 5:	Not reported
Stream 3 - trtmt method - sequence 6:	Not reported

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Stream 3 - trtmt method - sequence 7:	Not reported
Stream 3 - trtmt method - sequence 8:	Not reported
Stream 3 - based on operating data:	Not reported
Stream 4 - waste stream code:	Not reported
Stream 4 - trtmt method - sequence 1:	Not reported
Stream 4 - trtmt method - sequence 2:	Not reported
Stream 4 - trtmt method - sequence 3:	Not reported
Stream 4 - trtmt method - sequence 4:	Not reported
Stream 4 - trtmt method - sequence 5:	Not reported
Stream 4 - trtmt method - sequence 6:	Not reported
Stream 4 - trtmt method - sequence 7:	Not reported
Stream 4 - trtmt method - sequence 8:	Not reported
Stream 4 - based on operating data:	Not reported
Stream 5 - waste stream code:	Not reported
Stream 5 - trtmt method - sequence 1:	Not reported
Stream 5 - trtmt method - sequence 2:	Not reported
Stream 5 - trtmt method - sequence 3:	Not reported
Stream 5 - trtmt method - sequence 4:	Not reported
Stream 5 - trtmt method - sequence 5:	Not reported
Stream 5 - trtmt method - sequence 6:	Not reported
Stream 5 - trtmt method - sequence 7:	Not reported
Stream 5 - trtmt method - sequence 8:	Not reported
Stream 5 - based on operating data:	Not reported

TRI ID:		90745NCLCR1520E
Cas number:		000110543
Chemical name:	N-HEXANE	
Classification:		TRI
Unit of measure:		Pounds
Metal ind:		NO
Revision code 1:		Not reported
Revision code 2:		Not reported
Maximum amount on site:		07
Fugitive air emissions - total release pounds:		1300
Fugitive air emissions - total release range code:		Not reported
Total fugitive air emissions:		1300
Fugitive air emissions - basis of estimate:		Other
Stack air emissions - release pounds:		420
Stack air emissions - release range code:		Not reported
Total stack air emissions:		420
Stack air emissions - basis of estimate:		Other
Total air emissions:		1720
Discharges to stream a - stream name:		NA
Total discharges to stream a:		0
Discharges to stream a - basis of estimate:		Not reported
Discharges to stream a - % from stormwater:		Not reported
Discharges to stream b - stream name:		Not reported
Total discharges to stream b:		Not reported
Discharges to stream b - basis of estimate:		Not reported
Discharges to stream b - % from stormwater:		Not reported
Discharges to stream c - stream name:		Not reported
Total discharges to stream c:		Not reported
Discharges to stream c - basis of estimate:		Not reported
Discharges to stream c - % from stormwater:		Not reported
Discharges to stream d - stream name:		Not reported
Total discharges to stream d:		Not reported

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Discharges to stream d - basis of estimate:	Not reported
Discharges to stream d - % from stormwater:	Not reported
Discharges to stream e - stream name:	Not reported
Total discharges to stream e:	Not reported
Discharges to stream e - basis of estimate:	Not reported
Discharges to stream e - % from stormwater:	Not reported
Discharges to stream f - stream name:	Not reported
Total discharges to stream f:	Not reported
Discharges to stream f - basis of estimate:	Not reported
Discharges to stream f - % from stormwater:	Not reported
Discharges to stream g - stream name:	Not reported
Total discharges to stream g:	Not reported
Discharges to stream g - basis of estimate:	Not reported
Discharges to stream g - % from stormwater:	Not reported
Total number of receiving streams:	0
Total surface water discharge:	0
Total on-site underground inj - pounds:	Not reported
On-site underground inj - basis of estimate:	Not reported
Total on-site ugrnd inj to cl i wells - pounds:	0
On-site underground inj to c1 i wells - basis of estimate:	Not reported
Total on-site ugrnd inj to cl ii-v wells - pounds:	0
On-site ungrnd inj to cl ii-v wells - basis of estimate:	Not reported
Total on-site underground injection:	0
Total on-site landfills:	Not reported
On-site landfills - basis of estimate:	Not reported
Total on-site RCRA subtitle c landfills:	0
On-site RCRA subtitle c landfills - basis of estimate:	Not reported
Total other on-site landfills:	0
Other landfills - basis of estimate:	Not reported
Total on-site land treatment:	0
Land trtmt/appl farming - basis of estimate:	Not reported
Total surface impoundments:	Not reported
Surface impoundment - basis of estimate:	Not reported
Total RCRA c surface impoundments:	0
RCRA c Surface impoundment - basis of estimate:	Not reported
Total other surface impoundments:	0
Other surface impoundment - basis of estimate:	Not reported
Total other disposal:	0
Other disposal - basis of estimate:	Other
Total on-site land releases:	0
Total on-site releases:	1720
Off-site - POTW releases:	0
Off-site - storage only:	0
Off-site - solid/stab - metals:	0
Off-site - wastewater treatment release - metals:	0
Off-site - solid/stab - release - metals:	0
Off-site - wastewater treatment - metals:	0
Off-site - underground injection:	0
Off-site - underground injection - class 1 wells:	0
Off-site - underground injection - class ii-v wells:	0
Off-site - landfills/disposal surface impoundments:	0
Off-site - surface impoundment:	0
Off-site - RCRA subtitle c surface impoundments:	0
Off-site - other surface impoundments:	0
Off-site - other landfills:	0
Off-site - RCRA subtitle c landfills:	0
Off-site - disposal - land treatment:	0

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Off-site - disposal - other land disposal:	0
Off-site - disposal - other off-site management:	0
Off-site - disposal - transfer to waste broker:	0
Off-site - disposal - unknown:	0
Total transferred off site for disposal:	0
Off-site - recycling - solvents/organics recovery:	0
Off-site - recycling -metals recovery:	0
Off-site - recycling - other reuse or recovery:	0
Off-site - recycling - acid regeneration:	0
Off-site - recycling - transfer to waste broker:	0
Total transferred off site for recycling:	0
Off-site - energy recovery:	0
Off-site - transfer to waste broker for energy recovery:	0
Total transferred off site for energy recovery:	0
Off-site - POTW treatment:	0
Off-site - solid/stab treatment - non metals:	0
Off-site -incineration/thermal treatment:	0
Off-site - incineration/insignificant heat value:	0
Off-site - wastewater treatment - non-metals:	0
Off-site - other waste treatment:	0
Off-site - transfer to waste broker - waste treatment:	0
Total transferred off site for treatment:	0
Off-site - transfer to waste broker:	0
Total transferred off site for further waste management:	0
Total POTW transfer:	0
Energy recovery on site current year:	0
Recycled on site current year:	0
Treated on site current year:	0
Total on-site waste management:	0
On-site energy recovery method 1:	Not Applicable
On-site energy recovery method 2:	Not reported
On-site energy recovery method 3:	Not Applicable
On-site energy recovery method 4:	Not reported
On-site recycling processes method 1:	Not Applicable
On-site recycling processes method 2:	Not reported
On-site recycling processes method 3:	Not reported
On-site recycling processes method 4:	Not reported
On-site recycling processes method 5:	Not reported
On-site recycling processes method 6:	Not reported
On-site recycling processes method 7:	Not reported
FRS Facility ID:	110038102969
Elemental Metal Included:	NO
Waste Rock Pile managed Indicator:	0
Waste Rock Quantity:	Not reported
Off Site - POTW Releases 81C:	0
Off Site - POTW Releases 81D:	0

Chemical Activities and Uses:

Cas number:		000110543
Document control number:		1318217363542
Chemical name:	N-HEXANE	
Classification:		TRI
Unit of measure:		Pounds
Produce the chemical:		Yes
Import the chemical:		Yes
On-site use of the chemical:		Yes
Sale or distribution of the chemical:		No
As a byproduct:		No

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

As a manufactured impurity:	No
Used as a reactant:	No
P101 feedstocks:	No
P102 raw materials:	No
P103 intermediates:	No
P104 initiators:	No
P199 other:	No
Added as a formulation component:	No
P201 additives:	No
P202 dyes:	No
P203 reaction diluents:	No
P204 initiators:	No
P205 solvents:	No
P206 inhibitors:	No
P207 emulsifiers:	No
P208 surfactants:	No
P209 lubricants:	No
P210 flame retardants:	No
P211 rheological modifiers:	No
P299 other:	No
Used as an article component:	No
Repackaging:	No
As a process impurity:	No
Processed / recycling:	No
Used as a chemical processing aid:	No
Z101 process solvents:	No
Z102 catalysts:	No
Z103 inhibitors:	No
Z104 initiators:	No
Z105 reaction terminators:	No
Z106 solution buffers:	No
Z199 other:	No
Used as a manufacturing aid:	No
Z201 process lubricants:	No
Z202 metalworking fluids:	No
Z203 coolants:	No
Z204 refrigerants:	No
Z205 hydraulic fluids:	No
Z299 other:	No
Ancillary or other use:	No
Z301 cleaner:	No
Z302 degreaser:	No
Z303 lubricant:	No
Z304 fuel:	No
Z305 flame retardant:	No
Z306 waste treatment:	No
Z307 water treatment:	No
Z308 construction materials:	No
Z399 other:	No

Submitted Facility Name:	PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT
Submitted Street:	1520 E SEPULVEDA BLVD
Submitted City:	CARSON
Submitted County:	LOS ANGELES
Submitted State:	CA
Submitted Zip Code:	90745
Submitted BIA Code:	Not reported

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Submitted Tribe Name:	Not reported
Submitted Parent Company Name:	PHILLIPS 66 CO
Submitted Parent Company DB Number:	078378508
Submitted Standardized Parent Company Name:	PHILLIPS 66
Submitted Primary NAICS Code:	324110
Submitted Industry Code:	324
Submitted Industry Name:	Petroleum
Industry Code:	324
Industry Name:	Petroleum
Last year the facility reported:	2019
First year the facility reported:	1991
Number of forms submitted:	24
Total number of forms submitted:	667 20200808

Detailed Source Reduction Activities and Methods:

Cas number:	000110543
Document control number:	1318217363542
Chemical name: N-HEXANE	
Classification:	TRI
Unit of measure:	Pounds
On-site limited releases - prior year:	0
On-site limited releases - current year:	0
On-site limited releases - following year:	0
On-site limited releases - 2nd-following year:	0
Other on-site releases - prior year:	2400
Other on-site releases - current year:	1700
Other on-site releases - following year:	1700
Other on-site releases - 2nd-following year:	1700
Off-site limited releases - prior year:	0
Off-site limited releases - current year:	0
Off-site limited releases - following year:	0
Off-site limited releases - 2nd-following year:	0
Other off-site releases - previous year:	0
Other off-site releases - current year:	0
Other off-site releases - following year:	0
Other off-site releases - 2nd-following year:	0
Energy recovery on site prior year:	0
Energy recovery on site current year:	0
Energy recovery on site following year:	0
Energy recovery on site 2nd-following year:	0
Energy recovery off site prior year:	0
Energy recovery off site current year:	0
Energy recovery off site following year:	0
Energy recovery off site 2nd-following year:	0
Quantity recycled on site prior year:	0
Quantity recycled on site current year:	0
Quantity recycled on site following year:	0
Quantity recycled on site 2nd-following year:	0
Quantity recycled off site prior year:	0
Quantity recycled off site current year:	0
Quantity recycled off site following year:	0
Quantity recycled off site 2nd-following year:	0
Quantity treated on site prior year:	0
Quantity treated on site current year:	0
Quantity treated on site following year:	0
Quantity treated on site 2nd-following year:	0
Quantity treated off site prior year:	0

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Quantity treated off site current year:	0
Quantity treated off site following year:	0
Quantity treated off site 2nd-following year:	0
Catastrophic releases or other one-time events:	Not reported
Prod ratio/activity index:	1
Prod ratio or activity:	PRODUCTION
1st SR reduction activity:	NA-NA
1st SR activity ID meth code and desc 1:	Not reported
1st SR activity ID meth code and desc 2:	Not reported
1st SR activity ID meth code and desc 3:	Not reported
EST Ann REDN 1st source REDN act code and desc:	Not reported
2nd SR activity code and desc:	Not reported
2nd SR activity ID meth code and desc 1:	Not reported
2nd SR activity ID meth code and desc 2:	Not reported
2nd SR activity ID meth code and desc 3:	Not reported
EST Ann REDN 2nd source REDN act code and desc:	Not reported
3rd SR activity code and desc:	Not reported
3rd SR activity ID meth code and desc 1:	Not reported
3rd SR activity ID meth code and desc 2:	Not reported
3rd SR activity ID meth code and desc 3:	Not reported
EST Ann REDN 3rd source REDN act code and desc:	Not reported
4th SR activity code and desc:	Not reported
4th SR activity ID meth code and desc 1:	Not reported
4th SR activity ID meth code and desc 2:	Not reported
4th SR activity ID meth code and desc 3:	Not reported
EST Ann REDN 4th source REDN act code and desc:	Not reported

Detailed On-site Waste Treatment Methods and Efficiency:

Cas number:	000110543
Document control number:	1318217363542
Chemical name: N-HEXANE	
Classification:	TRI
Unit of measure:	Pounds
Stream 1 - waste stream code:	NA
Stream 1 - trtmt method - sequence 1:	Not reported
Stream 1 - trtmt method - sequence 2:	Not reported
Stream 1 - trtmt method - sequence 3:	Not reported
Stream 1 - trtmt method - sequence 4:	Not reported
Stream 1 - trtmt method - sequence 5:	Not reported
Stream 1 - trtmt method - sequence 6:	Not reported
Stream 1 - trtmt method - sequence 7:	Not reported
Stream 1 - trtmt method - sequence 8:	Not reported
Stream 1 - based on operating data:	Not reported
Stream 2 - waste stream code:	Not reported
Stream 2 - trtmt method - sequence 1:	Not reported
Stream 2 - trtmt method - sequence 2:	Not reported
Stream 2 - trtmt method - sequence 3:	Not reported
Stream 2 - trtmt method - sequence 4:	Not reported
Stream 2 - trtmt method - sequence 5:	Not reported
Stream 2 - trtmt method - sequence 6:	Not reported
Stream 2 - trtmt method - sequence 7:	Not reported
Stream 2 - trtmt method - sequence 8:	Not reported
Stream 2 - based on operating data:	Not reported
Stream 3 - waste stream code:	Not reported
Stream 3 - trtmt method - sequence 1:	Not reported
Stream 3 - trtmt method - sequence 2:	Not reported
Stream 3 - trtmt method - sequence 3:	Not reported

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Stream 3 - trtmt method - sequence 4:	Not reported
Stream 3 - trtmt method - sequence 5:	Not reported
Stream 3 - trtmt method - sequence 6:	Not reported
Stream 3 - trtmt method - sequence 7:	Not reported
Stream 3 - trtmt method - sequence 8:	Not reported
Stream 3 - based on operating data:	Not reported
Stream 4 - waste stream code:	Not reported
Stream 4 - trtmt method - sequence 1:	Not reported
Stream 4 - trtmt method - sequence 2:	Not reported
Stream 4 - trtmt method - sequence 3:	Not reported
Stream 4 - trtmt method - sequence 4:	Not reported
Stream 4 - trtmt method - sequence 5:	Not reported
Stream 4 - trtmt method - sequence 6:	Not reported
Stream 4 - trtmt method - sequence 7:	Not reported
Stream 4 - trtmt method - sequence 8:	Not reported
Stream 4 - based on operating data:	Not reported
Stream 5 - waste stream code:	Not reported
Stream 5 - trtmt method - sequence 1:	Not reported
Stream 5 - trtmt method - sequence 2:	Not reported
Stream 5 - trtmt method - sequence 3:	Not reported
Stream 5 - trtmt method - sequence 4:	Not reported
Stream 5 - trtmt method - sequence 5:	Not reported
Stream 5 - trtmt method - sequence 6:	Not reported
Stream 5 - trtmt method - sequence 7:	Not reported
Stream 5 - trtmt method - sequence 8:	Not reported
Stream 5 - based on operating data:	Not reported

TRI ID:	90745NCLCR1520E
Cas number:	000095636
Chemical name:	1,2,4-TRIMETHYLBENZENE
Classification:	TRI
Unit of measure:	Pounds
Metal ind:	NO
Revision code 1:	Not reported
Revision code 2:	Not reported
Maximum amount on site:	07
Fugitive air emissions - total release pounds:	180
Fugitive air emissions - total release range code:	Not reported
Total fugitive air emissions:	180
Fugitive air emissions - basis of estimate:	Other
Stack air emissions - release pounds:	36
Stack air emissions - release range code:	Not reported
Total stack air emissions:	36
Stack air emissions - basis of estimate:	Other
Total air emissions:	216
Discharges to stream a - stream name:	NA
Total discharges to stream a:	0
Discharges to stream a - basis of estimate:	Not reported
Discharges to stream a - % from stormwater:	Not reported
Discharges to stream b - stream name:	Not reported
Total discharges to stream b:	Not reported
Discharges to stream b - basis of estimate:	Not reported
Discharges to stream b - % from stormwater:	Not reported
Discharges to stream c - stream name:	Not reported
Total discharges to stream c:	Not reported
Discharges to stream c - basis of estimate:	Not reported

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Discharges to stream c - % from stormwater:	Not reported
Discharges to stream d - stream name:	Not reported
Total discharges to stream d:	Not reported
Discharges to stream d - basis of estimate:	Not reported
Discharges to stream d - % from stormwater:	Not reported
Discharges to stream e - stream name:	Not reported
Total discharges to stream e:	Not reported
Discharges to stream e - basis of estimate:	Not reported
Discharges to stream e - % from stormwater:	Not reported
Discharges to stream f - stream name:	Not reported
Total discharges to stream f:	Not reported
Discharges to stream f - basis of estimate:	Not reported
Discharges to stream f - % from stormwater:	Not reported
Discharges to stream g - stream name:	Not reported
Total discharges to stream g:	Not reported
Discharges to stream g - basis of estimate:	Not reported
Discharges to stream g - % from stormwater:	Not reported
Total number of receiving streams:	0
Total surface water discharge:	0
Total on-site underground inj - pounds:	Not reported
On-site underground inj - basis of estimate:	Not reported
Total on-site ugrnd inj to cl i wells - pounds:	0
On-site underground inj to c1 i wells - basis of estimate:	Not reported
Total on-site ugrnd inj to cl ii-v wells - pounds:	0
On-site ungrnd inj to cl ii-v wells - basis of estimate:	Not reported
Total on-site underground injection:	0
Total on-site landfills:	Not reported
On-site landfills - basis of estimate:	Not reported
Total on-site RCRA subtitle c landfills:	0
On-site RCRA subtitle c landfills - basis of estimate:	Not reported
Total other on-site landfills:	0
Other landfills - basis of estimate:	Not reported
Total on-site land treatment:	0
Land trtmt/appl farming - basis of estimate:	Not reported
Total surface impoundments:	Not reported
Surface impoundment - basis of estimate:	Not reported
Total RCRA c surface impoundments:	0
RCRA c Surface impoundment - basis of estimate:	Not reported
Total other surface impoundments:	0
Other surface impoundment - basis of estimate:	Not reported
Total other disposal:	0
Other disposal - basis of estimate:	Other
Total on-site land releases:	0
Total on-site releases:	216
Off-site - POTW releases:	70.4
Off-site - storage only:	0
Off-site - solid/stab - metals:	0
Off-site - wastewater treatment release - metals:	0
Off-site - solid/stab - release - metals:	0
Off-site - wastewater treatment - metals:	0
Off-site - underground injection:	0
Off-site - underground injection - class 1 wells:	0
Off-site - underground injection - class ii-v wells:	0
Off-site - landfills/disposal surface impoundments:	0
Off-site - surface impoundment:	0
Off-site - RCRA subtitle c surface impoundments:	0
Off-site - other surface impoundments:	0

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Off-site - other landfills:	0
Off-site - RCRA subtitle c landfills:	0
Off-site - disposal - land treatment:	0
Off-site - disposal - other land disposal:	0
Off-site - disposal - other off-site management:	0
Off-site - disposal - transfer to waste broker:	0
Off-site - disposal - unknown:	0
Total transferred off site for disposal:	70.4
Off-site - recycling - solvents/organics recovery:	0
Off-site - recycling -metals recovery:	0
Off-site - recycling - other reuse or recovery:	0
Off-site - recycling - acid regeneration:	0
Off-site - recycling - transfer to waste broker:	0
Total transferred off site for recycling:	0
Off-site - energy recovery:	0
Off-site - transfer to waste broker for energy recovery:	0
Total transferred off site for energy recovery:	0
Off-site - POTW treatment:	149.6
Off-site - solid/stab treatment - non metals:	0
Off-site -incineration/thermal treatment:	0
Off-site - incineration/insignificant heat value:	0
Off-site - wastewater treatment - non-metals:	0
Off-site - other waste treatment:	0
Off-site - transfer to waste broker - waste treatment:	0
Total transferred off site for treatment:	149.6
Off-site - transfer to waste broker:	0
Total transferred off site for further waste management:	149.6
Total POTW transfer:	220
Energy recovery on site current year:	0
Recycled on site current year:	0
Treated on site current year:	0
Total on-site waste management:	0
On-site energy recovery method 1:	Not Applicable
On-site energy recovery method 2:	Not reported
On-site energy recovery method 3:	Not Applicable
On-site energy recovery method 4:	Not reported
On-site recycling processes method 1:	Not Applicable
On-site recycling processes method 2:	Not reported
On-site recycling processes method 3:	Not reported
On-site recycling processes method 4:	Not reported
On-site recycling processes method 5:	Not reported
On-site recycling processes method 6:	Not reported
On-site recycling processes method 7:	Not reported
FRS Facility ID:	110038102969
Elemental Metal Included:	NO
Waste Rock Pile managed Indicator:	0
Waste Rock Quantity:	Not reported
Off Site - POTW Releases 81C:	24.2
Off Site - POTW Releases 81D:	46.2

Chemical Activities and Uses:

Cas number:	000095636
Document control number:	1318217363403
Chemical name:	1,2,4-TRIMETHYLBENZENE
Classification:	TRI
Unit of measure:	Pounds
Produce the chemical:	Yes
Import the chemical:	Yes

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

On-site use of the chemical:	Yes
Sale or distribution of the chemical:	No
As a byproduct:	No
As a manufactured impurity:	No
Used as a reactant:	No
P101 feedstocks:	No
P102 raw materials:	No
P103 intermediates:	No
P104 initiators:	No
P199 other:	No
Added as a formulation component:	No
P201 additives:	No
P202 dyes:	No
P203 reaction diluents:	No
P204 initiators:	No
P205 solvents:	No
P206 inhibitors:	No
P207 emulsifiers:	No
P208 surfactants:	No
P209 lubricants:	No
P210 flame retardants:	No
P211 rheological modifiers:	No
P299 other:	No
Used as an article component:	No
Repackaging:	No
As a process impurity:	No
Processed / recycling:	No
Used as a chemical processing aid:	Yes
Z101 process solvents:	No
Z102 catalysts:	No
Z103 inhibitors:	No
Z104 initiators:	No
Z105 reaction terminators:	No
Z106 solution buffers:	No
Z199 other:	No
Used as a manufacturing aid:	No
Z201 process lubricants:	No
Z202 metalworking fluids:	No
Z203 coolants:	No
Z204 refrigerants:	No
Z205 hydraulic fluids:	No
Z299 other:	No
Ancillary or other use:	Yes
Z301 cleaner:	No
Z302 degreaser:	No
Z303 lubricant:	No
Z304 fuel:	No
Z305 flame retardant:	No
Z306 waste treatment:	No
Z307 water treatment:	No
Z308 construction materials:	No
Z399 other:	No

Submitted Facility Name:	PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT
Submitted Street:	1520 E SEPULVEDA BLVD
Submitted City:	CARSON
Submitted County:	LOS ANGELES

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Submitted State:	CA
Submitted Zip Code:	90745
Submitted BIA Code:	Not reported
Submitted Tribe Name:	Not reported
Submitted Parent Company Name:	PHILLIPS 66 CO
Submitted Parent Company DB Number:	078378508
Submitted Standardized Parent Company Name:	PHILLIPS 66
Submitted Primary NAICS Code:	324110
Submitted Industry Code:	324
Submitted Industry Name:	Petroleum
Industry Code:	324
Industry Name:	Petroleum
Last year the facility reported:	2019
First year the facility reported:	1991
Number of forms submitted:	24
Total number of forms submitted:	667 20200808

Detailed Source Reduction Activities and Methods:

Cas number:	000095636
Document control number:	1318217363403
Chemical name:	1,2,4-TRIMETHYLBENZENE
Classification:	TRI
Unit of measure:	Pounds
On-site limited releases - prior year:	0
On-site limited releases - current year:	0
On-site limited releases - following year:	0
On-site limited releases - 2nd-following year:	0
Other on-site releases - prior year:	200
Other on-site releases - current year:	220
Other on-site releases - following year:	220
Other on-site releases - 2nd-following year:	220
Off-site limited releases - prior year:	0
Off-site limited releases - current year:	0
Off-site limited releases - following year:	0
Off-site limited releases - 2nd-following year:	0
Other off-site releases - previous year:	0
Other off-site releases - current year:	0
Other off-site releases - following year:	0
Other off-site releases - 2nd-following year:	0
Energy recovery on site prior year:	0
Energy recovery on site current year:	0
Energy recovery on site following year:	0
Energy recovery on site 2nd-following year:	0
Energy recovery off site prior year:	0
Energy recovery off site current year:	0
Energy recovery off site following year:	0
Energy recovery off site 2nd-following year:	0
Quantity recycled on site prior year:	0
Quantity recycled on site current year:	0
Quantity recycled on site following year:	0
Quantity recycled on site 2nd-following year:	0
Quantity recycled off site prior year:	0
Quantity recycled off site current year:	0
Quantity recycled off site following year:	0
Quantity recycled off site 2nd-following year:	0
Quantity treated on site prior year:	0
Quantity treated on site current year:	0

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Quantity treated on site following year:	0
Quantity treated on site 2nd-following year:	0
Quantity treated off site prior year:	450
Quantity treated off site current year:	0
Quantity treated off site following year:	0
Quantity treated off site 2nd-following year:	0
Catastrophic releases or other one-time events:	Not reported
Prod ratio/activity index:	1
Prod ratio or activity:	PRODUCTION
1st SR reduction activity:	NA-NA
1st SR activity ID meth code and desc 1:	Not reported
1st SR activity ID meth code and desc 2:	Not reported
1st SR activity ID meth code and desc 3:	Not reported
EST Ann REDN 1st source REDN act code and desc:	Not reported
2nd SR activity code and desc:	Not reported
2nd SR activity ID meth code and desc 1:	Not reported
2nd SR activity ID meth code and desc 2:	Not reported
2nd SR activity ID meth code and desc 3:	Not reported
EST Ann REDN 2nd source REDN act code and desc:	Not reported
3rd SR activity code and desc:	Not reported
3rd SR activity ID meth code and desc 1:	Not reported
3rd SR activity ID meth code and desc 2:	Not reported
3rd SR activity ID meth code and desc 3:	Not reported
EST Ann REDN 3rd source REDN act code and desc:	Not reported
4th SR activity code and desc:	Not reported
4th SR activity ID meth code and desc 1:	Not reported
4th SR activity ID meth code and desc 2:	Not reported
4th SR activity ID meth code and desc 3:	Not reported
EST Ann REDN 4th source REDN act code and desc:	Not reported

Detailed On-site Waste Treatment Methods and Efficiency:

Cas number:	000095636
Document control number:	1318217363403
Chemical name:	1,2,4-TRIMETHYLBENZENE
Classification:	TRI
Unit of measure:	Pounds
Stream 1 - waste stream code:	NA
Stream 1 - trtmt method - sequence 1:	Not reported
Stream 1 - trtmt method - sequence 2:	Not reported
Stream 1 - trtmt method - sequence 3:	Not reported
Stream 1 - trtmt method - sequence 4:	Not reported
Stream 1 - trtmt method - sequence 5:	Not reported
Stream 1 - trtmt method - sequence 6:	Not reported
Stream 1 - trtmt method - sequence 7:	Not reported
Stream 1 - trtmt method - sequence 8:	Not reported
Stream 1 - based on operating data:	Not reported
Stream 2 - waste stream code:	Not reported
Stream 2 - trtmt method - sequence 1:	Not reported
Stream 2 - trtmt method - sequence 2:	Not reported
Stream 2 - trtmt method - sequence 3:	Not reported
Stream 2 - trtmt method - sequence 4:	Not reported
Stream 2 - trtmt method - sequence 5:	Not reported
Stream 2 - trtmt method - sequence 6:	Not reported
Stream 2 - trtmt method - sequence 7:	Not reported
Stream 2 - trtmt method - sequence 8:	Not reported
Stream 2 - based on operating data:	Not reported
Stream 3 - waste stream code:	Not reported

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Stream 3 - trtmt method - sequence 1:	Not reported
Stream 3 - trtmt method - sequence 2:	Not reported
Stream 3 - trtmt method - sequence 3:	Not reported
Stream 3 - trtmt method - sequence 4:	Not reported
Stream 3 - trtmt method - sequence 5:	Not reported
Stream 3 - trtmt method - sequence 6:	Not reported
Stream 3 - trtmt method - sequence 7:	Not reported
Stream 3 - trtmt method - sequence 8:	Not reported
Stream 3 - based on operating data:	Not reported
Stream 4 - waste stream code:	Not reported
Stream 4 - trtmt method - sequence 1:	Not reported
Stream 4 - trtmt method - sequence 2:	Not reported
Stream 4 - trtmt method - sequence 3:	Not reported
Stream 4 - trtmt method - sequence 4:	Not reported
Stream 4 - trtmt method - sequence 5:	Not reported
Stream 4 - trtmt method - sequence 6:	Not reported
Stream 4 - trtmt method - sequence 7:	Not reported
Stream 4 - trtmt method - sequence 8:	Not reported
Stream 4 - based on operating data:	Not reported
Stream 5 - waste stream code:	Not reported
Stream 5 - trtmt method - sequence 1:	Not reported
Stream 5 - trtmt method - sequence 2:	Not reported
Stream 5 - trtmt method - sequence 3:	Not reported
Stream 5 - trtmt method - sequence 4:	Not reported
Stream 5 - trtmt method - sequence 5:	Not reported
Stream 5 - trtmt method - sequence 6:	Not reported
Stream 5 - trtmt method - sequence 7:	Not reported
Stream 5 - trtmt method - sequence 8:	Not reported
Stream 5 - based on operating data:	Not reported

Details of Transfers to Publicly Owned Treatment Works:

Cas number:	000095636
Document control number:	1318217363403
Chemical name:	1,2,4-TRIMETHYLBENZENE
Classification:	TRI
Unit of measure:	Pounds
POTW name:	LOS ANGELES COUNTY SANITATION DISTRICT
POTW address:	24501 S FIGUEROA ST
POTW City,State,Zip:	CARSON, CA 90745
POTW county:	LOS ANGELES
Quantity transferred:	220
Basis of estimate:	Not reported
Discharges to water streams:	0
Discharges to water streams - basis of estimate:	Not reported
Discharges to other activities:	0
Discharges to other activities - basis of estimate:	Not reported
Released to air:	0
Released to air - basis of estimate:	Not reported
Sludge to disposal:	24.2
Sludge to disposal - basis of estimate:	Published Emission Factors
Sludge to incineration - metals:	0
Sludge to incineration - metals - basis of estimate:	Not reported
Sludge to agricultural applications:	0
Sludge to agricultural applications - basis of estimate:	Not reported
Other or unknown disposal:	46.2
Other or unknown disposal - basis of estimate:	Published Emission Factors
Other or unknown treatment:	0

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Other or unknown treatment - basis of estimate:	Not reported
Sludge to incineration - nonmetals:	0
Sludge to incineration - nonmetals - basis of estimate:	Not reported
Total treated:	149.6
POTW Registry ID:	Not reported
Off Site - POTW Releases 81C:	24.2
Off Site - POTW Releases 81D:	46.2
Off Site - POTW Releases:	70.4
Experimental and Est. Treatment:	149.6
Experimental and Est. Treatment - Basis of Est.:	E1

TRI ID:	90745NCLCR1520E
Cas number:	007664417
Chemical name: AMMONIA	
Classification:	TRI
Unit of measure:	Pounds
Metal ind:	NO
Revision code 1:	Not reported
Revision code 2:	Not reported
Maximum amount on site:	05
Fugitive air emissions - total release pounds:	8
Fugitive air emissions - total release range code:	Not reported
Total fugitive air emissions:	8
Fugitive air emissions - basis of estimate:	Published Emission Factors
Stack air emissions - release pounds:	3300
Stack air emissions - release range code:	Not reported
Total stack air emissions:	3300
Stack air emissions - basis of estimate:	Continuous Monitoring Data
Total air emissions:	3308
Discharges to stream a - stream name:	NA
Total discharges to stream a:	0
Discharges to stream a - basis of estimate:	Not reported
Discharges to stream a - % from stormwater:	Not reported
Discharges to stream b - stream name:	Not reported
Total discharges to stream b:	Not reported
Discharges to stream b - basis of estimate:	Not reported
Discharges to stream b - % from stormwater:	Not reported
Discharges to stream c - stream name:	Not reported
Total discharges to stream c:	Not reported
Discharges to stream c - basis of estimate:	Not reported
Discharges to stream c - % from stormwater:	Not reported
Discharges to stream d - stream name:	Not reported
Total discharges to stream d:	Not reported
Discharges to stream d - basis of estimate:	Not reported
Discharges to stream d - % from stormwater:	Not reported
Discharges to stream e - stream name:	Not reported
Total discharges to stream e:	Not reported
Discharges to stream e - basis of estimate:	Not reported
Discharges to stream e - % from stormwater:	Not reported
Discharges to stream f - stream name:	Not reported
Total discharges to stream f:	Not reported
Discharges to stream f - basis of estimate:	Not reported
Discharges to stream f - % from stormwater:	Not reported
Discharges to stream g - stream name:	Not reported
Total discharges to stream g:	Not reported
Discharges to stream g - basis of estimate:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Discharges to stream g - % from stormwater:	Not reported
Total number of receiving streams:	0
Total surface water discharge:	0
Total on-site underground inj - pounds:	Not reported
On-site underground inj - basis of estimate:	Not reported
Total on-site ugrnd inj to cl i wells - pounds:	0
On-site underground inj to c1 i wells - basis of estimate:	Not reported
Total on-site ugrnd inj to cl ii-v wells - pounds:	0
On-site ungrnd inj to cl ii-v wells - basis of estimate:	Not reported
Total on-site underground injection:	0
Total on-site landfills:	Not reported
On-site landfills - basis of estimate:	Not reported
Total on-site RCRA subtitle c landfills:	0
On-site RCRA subtitle c landfills - basis of estimate:	Not reported
Total other on-site landfills:	0
Other landfills - basis of estimate:	Not reported
Total on-site land treatment:	0
Land trtmt/appl farming - basis of estimate:	Not reported
Total surface impoundments:	Not reported
Surface impoundment - basis of estimate:	Not reported
Total RCRA c surface impoundments:	0
RCRA c Surface impoundment - basis of estimate:	Not reported
Total other surface impoundments:	0
Other surface impoundment - basis of estimate:	Not reported
Total other disposal:	0
Other disposal - basis of estimate:	Other
Total on-site land releases:	0
Total on-site releases:	3308
Off-site - POTW releases:	3440
Off-site - storage only:	0
Off-site - solid/stab - metals:	0
Off-site - wastewater treatment release - metals:	0
Off-site - solid/stab - release - metals:	0
Off-site - wastewater treatment - metals:	0
Off-site - underground injection:	0
Off-site - underground injection - class 1 wells:	0
Off-site - underground injection - class ii-v wells:	0
Off-site - landfills/disposal surface impoundments:	0
Off-site - surface impoundment:	0
Off-site - RCRA subtitle c surface impoundments:	0
Off-site - other surface impoundments:	0
Off-site - other landfills:	0
Off-site - RCRA subtitle c landfills:	0
Off-site - disposal - land treatment:	0
Off-site - disposal - other land disposal:	0
Off-site - disposal - other off-site management:	0
Off-site - disposal - transfer to waste broker:	0
Off-site - disposal - unknown:	0
Total transferred off site for disposal:	3440
Off-site - recycling - solvents/organics recovery:	0
Off-site - recycling -metals recovery:	0
Off-site - recycling - other reuse or recovery:	0
Off-site - recycling - acid regeneration:	0
Off-site - recycling - transfer to waste broker:	0
Total transferred off site for recycling:	0
Off-site - energy recovery:	0
Off-site - transfer to waste broker for energy recovery:	0

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Total transferred off site for energy recovery:	0
Off-site - POTW treatment:	5160
Off-site - solid/stab treatment - non metals:	0
Off-site -incineration/thermal treatment:	0
Off-site - incineration/insignificant heat value:	0
Off-site - wastewater treatment - non-metals:	0
Off-site - other waste treatment:	0
Off-site - transfer to waste broker - waste treatment:	0
Total transferred off site for treatment:	5160
Off-site - transfer to waste broker:	0
Total transferred off site for further waste management:	5200
Total POTW transfer:	8600
Energy recovery on site current year:	0
Recycled on site current year:	0
Treated on site current year:	0
Total on-site waste management:	0
On-site energy recovery method 1:	Not Applicable
On-site energy recovery method 2:	Not reported
On-site energy recovery method 3:	Not Applicable
On-site energy recovery method 4:	Not reported
On-site recycling processes method 1:	Not Applicable
On-site recycling processes method 2:	Not reported
On-site recycling processes method 3:	Not reported
On-site recycling processes method 4:	Not reported
On-site recycling processes method 5:	Not reported
On-site recycling processes method 6:	Not reported
On-site recycling processes method 7:	Not reported
FRS Facility ID:	110038102969
Elemental Metal Included:	NO
Waste Rock Pile managed Indicator:	0
Waste Rock Quantity:	Not reported
Off Site - POTW Releases 81C:	0
Off Site - POTW Releases 81D:	3440

Chemical Activities and Uses:

Cas number:		007664417
Document control number:		1318217363427
Chemical name:	AMMONIA	
Classification:		TRI
Unit of measure:		Pounds
Produce the chemical:		Yes
Import the chemical:		No
On-site use of the chemical:		Yes
Sale or distribution of the chemical:		No
As a byproduct:		No
As a manufactured impurity:		No
Used as a reactant:		No
P101 feedstocks:		No
P102 raw materials:		No
P103 intermediates:		No
P104 initiators:		No
P199 other:		No
Added as a formulation component:		No
P201 additives:		No
P202 dyes:		No
P203 reaction diluents:		No
P204 initiators:		No
P205 solvents:		No

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

P206 inhibitors:	No
P207 emulsifiers:	No
P208 surfactants:	No
P209 lubricants:	No
P210 flame retardants:	No
P211 rheological modifiers:	No
P299 other:	No
Used as an article component:	No
Repackaging:	No
As a process impurity:	No
Processed / recycling:	No
Used as a chemical processing aid:	Yes
Z101 process solvents:	No
Z102 catalysts:	No
Z103 inhibitors:	No
Z104 initiators:	No
Z105 reaction terminators:	No
Z106 solution buffers:	No
Z199 other:	No
Used as a manufacturing aid:	No
Z201 process lubricants:	No
Z202 metalworking fluids:	No
Z203 coolants:	No
Z204 refrigerants:	No
Z205 hydraulic fluids:	No
Z299 other:	No
Ancillary or other use:	Yes
Z301 cleaner:	No
Z302 degreaser:	No
Z303 lubricant:	No
Z304 fuel:	No
Z305 flame retardant:	No
Z306 waste treatment:	No
Z307 water treatment:	No
Z308 construction materials:	No
Z399 other:	No

Submitted Facility Name:	PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT
Submitted Street:	1520 E SEPULVEDA BLVD
Submitted City:	CARSON
Submitted County:	LOS ANGELES
Submitted State:	CA
Submitted Zip Code:	90745
Submitted BIA Code:	Not reported
Submitted Tribe Name:	Not reported
Submitted Parent Company Name:	PHILLIPS 66 CO
Submitted Parent Company DB Number:	078378508
Submitted Standardized Parent Company Name:	PHILLIPS 66
Submitted Primary NAICS Code:	324110
Submitted Industry Code:	324
Submitted Industry Name:	Petroleum
Industry Code:	324
Industry Name:	Petroleum
Last year the facility reported:	2019
First year the facility reported:	1991
Number of forms submitted:	24
Total number of forms submitted:	667 20200808

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Detailed Source Reduction Activities and Methods:

Cas number:	007664417
Document control number:	1318217363427
Chemical name: AMMONIA	
Classification:	TRI
Unit of measure:	Pounds
On-site limited releases - prior year:	0
On-site limited releases - current year:	0
On-site limited releases - following year:	0
On-site limited releases - 2nd-following year:	0
Other on-site releases - prior year:	2600
Other on-site releases - current year:	3300
Other on-site releases - following year:	3300
Other on-site releases - 2nd-following year:	3300
Off-site limited releases - prior year:	0
Off-site limited releases - current year:	0
Off-site limited releases - following year:	0
Off-site limited releases - 2nd-following year:	0
Other off-site releases - previous year:	0
Other off-site releases - current year:	3400
Other off-site releases - following year:	3400
Other off-site releases - 2nd-following year:	3400
Energy recovery on site prior year:	0
Energy recovery on site current year:	0
Energy recovery on site following year:	0
Energy recovery on site 2nd-following year:	0
Energy recovery off site prior year:	0
Energy recovery off site current year:	0
Energy recovery off site following year:	0
Energy recovery off site 2nd-following year:	0
Quantity recycled on site prior year:	0
Quantity recycled on site current year:	0
Quantity recycled on site following year:	0
Quantity recycled on site 2nd-following year:	0
Quantity recycled off site prior year:	0
Quantity recycled off site current year:	0
Quantity recycled off site following year:	0
Quantity recycled off site 2nd-following year:	0
Quantity treated on site prior year:	0
Quantity treated on site current year:	0
Quantity treated on site following year:	0
Quantity treated on site 2nd-following year:	0
Quantity treated off site prior year:	19000
Quantity treated off site current year:	5200
Quantity treated off site following year:	5200
Quantity treated off site 2nd-following year:	5200
Catastrophic releases or other one-time events:	Not reported
Prod ratio/activity index:	1
Prod ratio or activity:	PRODUCTION
1st SR reduction activity:	NA-NA
1st SR activity ID meth code and desc 1:	Not reported
1st SR activity ID meth code and desc 2:	Not reported
1st SR activity ID meth code and desc 3:	Not reported
EST Ann REDN 1st source REDN act code and desc:	Not reported
2nd SR activity code and desc:	Not reported
2nd SR activity ID meth code and desc 1:	Not reported
2nd SR activity ID meth code and desc 2:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

2nd SR activity ID meth code and desc 3:	Not reported
EST Ann REDN 2nd source REDN act code and desc:	Not reported
3rd SR activity code and desc:	Not reported
3rd SR activity ID meth code and desc 1:	Not reported
3rd SR activity ID meth code and desc 2:	Not reported
3rd SR activity ID meth code and desc 3:	Not reported
EST Ann REDN 3rd source REDN act code and desc:	Not reported
4th SR activity code and desc:	Not reported
4th SR activity ID meth code and desc 1:	Not reported
4th SR activity ID meth code and desc 2:	Not reported
4th SR activity ID meth code and desc 3:	Not reported
EST Ann REDN 4th source REDN act code and desc:	Not reported

Detailed On-site Waste Treatment Methods and Efficiency:

Cas number:	007664417
Document control number:	1318217363427
Chemical name: AMMONIA	
Classification:	TRI
Unit of measure:	Pounds
Stream 1 - waste stream code:	NA
Stream 1 - trtmt method - sequence 1:	Not reported
Stream 1 - trtmt method - sequence 2:	Not reported
Stream 1 - trtmt method - sequence 3:	Not reported
Stream 1 - trtmt method - sequence 4:	Not reported
Stream 1 - trtmt method - sequence 5:	Not reported
Stream 1 - trtmt method - sequence 6:	Not reported
Stream 1 - trtmt method - sequence 7:	Not reported
Stream 1 - trtmt method - sequence 8:	Not reported
Stream 1 - based on operating data:	Not reported
Stream 2 - waste stream code:	Not reported
Stream 2 - trtmt method - sequence 1:	Not reported
Stream 2 - trtmt method - sequence 2:	Not reported
Stream 2 - trtmt method - sequence 3:	Not reported
Stream 2 - trtmt method - sequence 4:	Not reported
Stream 2 - trtmt method - sequence 5:	Not reported
Stream 2 - trtmt method - sequence 6:	Not reported
Stream 2 - trtmt method - sequence 7:	Not reported
Stream 2 - trtmt method - sequence 8:	Not reported
Stream 2 - based on operating data:	Not reported
Stream 3 - waste stream code:	Not reported
Stream 3 - trtmt method - sequence 1:	Not reported
Stream 3 - trtmt method - sequence 2:	Not reported
Stream 3 - trtmt method - sequence 3:	Not reported
Stream 3 - trtmt method - sequence 4:	Not reported
Stream 3 - trtmt method - sequence 5:	Not reported
Stream 3 - trtmt method - sequence 6:	Not reported
Stream 3 - trtmt method - sequence 7:	Not reported
Stream 3 - trtmt method - sequence 8:	Not reported
Stream 3 - based on operating data:	Not reported
Stream 4 - waste stream code:	Not reported
Stream 4 - trtmt method - sequence 1:	Not reported
Stream 4 - trtmt method - sequence 2:	Not reported
Stream 4 - trtmt method - sequence 3:	Not reported
Stream 4 - trtmt method - sequence 4:	Not reported
Stream 4 - trtmt method - sequence 5:	Not reported
Stream 4 - trtmt method - sequence 6:	Not reported
Stream 4 - trtmt method - sequence 7:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Stream 4 - trtmt method - sequence 8:	Not reported
Stream 4 - based on operating data:	Not reported
Stream 5 - waste stream code:	Not reported
Stream 5 - trtmt method - sequence 1:	Not reported
Stream 5 - trtmt method - sequence 2:	Not reported
Stream 5 - trtmt method - sequence 3:	Not reported
Stream 5 - trtmt method - sequence 4:	Not reported
Stream 5 - trtmt method - sequence 5:	Not reported
Stream 5 - trtmt method - sequence 6:	Not reported
Stream 5 - trtmt method - sequence 7:	Not reported
Stream 5 - trtmt method - sequence 8:	Not reported
Stream 5 - based on operating data:	Not reported

Details of Transfers to Publicly Owned Treatment Works:

Cas number:	007664417
Document control number:	1318217363427
Chemical name: AMMONIA	
Classification:	TRI
Unit of measure:	Pounds
POTW name:	LOS ANGELES COUNTY SANITATION DISTRICT
POTW address:	24501 S FIGUEROA ST
POTW City,State,Zip:	CARSON, CA 90745
POTW county:	LOS ANGELES
Quantity transferred:	8600
Basis of estimate:	Not reported
Discharges to water streams:	0
Discharges to water streams - basis of estimate:	Not reported
Discharges to other activities:	0
Discharges to other activities - basis of estimate:	Not reported
Released to air:	0
Released to air - basis of estimate:	Not reported
Sludge to disposal:	0
Sludge to disposal - basis of estimate:	Not reported
Sludge to incineration - metals:	0
Sludge to incineration - metals - basis of estimate:	Not reported
Sludge to agricultural applications:	0
Sludge to agricultural applications - basis of estimate:	Not reported
Other or unknown disposal:	3440
Other or unknown disposal - basis of estimate:	Published Emission Factors
Other or unknown treatment:	0
Other or unknown treatment - basis of estimate:	Not reported
Sludge to incineration - nonmetals:	0
Sludge to incineration - nonmetals - basis of estimate:	Not reported
Total treated:	5160
POTW Registry ID:	Not reported
Off Site - POTW Releases 81C:	0
Off Site - POTW Releases 81D:	3440
Off Site - POTW Releases:	3440
Experimental and Est. Treatment:	5160
Experimental and Est. Treatment - Basis of Est.:	E1

TRI ID:	90745NCLCR1520E
Cas number:	000067561
Chemical name: METHANOL	
Classification:	TRI
Unit of measure:	Pounds

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Metal ind:	NO
Revision code 1:	Not reported
Revision code 2:	Not reported
Maximum amount on site:	05
Fugitive air emissions - total release pounds:	0
Fugitive air emissions - total release range code:	Not reported
Total fugitive air emissions:	0
Fugitive air emissions - basis of estimate:	Other
Stack air emissions - release pounds:	5500
Stack air emissions - release range code:	Not reported
Total stack air emissions:	5500
Stack air emissions - basis of estimate:	Periodic/Random Monotoning Data
Total air emissions:	5500
Discharges to stream a - stream name:	NA
Total discharges to stream a:	0
Discharges to stream a - basis of estimate:	Not reported
Discharges to stream a - % from stormwater:	Not reported
Discharges to stream b - stream name:	Not reported
Total discharges to stream b:	Not reported
Discharges to stream b - basis of estimate:	Not reported
Discharges to stream b - % from stormwater:	Not reported
Discharges to stream c - stream name:	Not reported
Total discharges to stream c:	Not reported
Discharges to stream c - basis of estimate:	Not reported
Discharges to stream c - % from stormwater:	Not reported
Discharges to stream d - stream name:	Not reported
Total discharges to stream d:	Not reported
Discharges to stream d - basis of estimate:	Not reported
Discharges to stream d - % from stormwater:	Not reported
Discharges to stream e - stream name:	Not reported
Total discharges to stream e:	Not reported
Discharges to stream e - basis of estimate:	Not reported
Discharges to stream e - % from stormwater:	Not reported
Discharges to stream f - stream name:	Not reported
Total discharges to stream f:	Not reported
Discharges to stream f - basis of estimate:	Not reported
Discharges to stream f - % from stormwater:	Not reported
Discharges to stream g - stream name:	Not reported
Total discharges to stream g:	Not reported
Discharges to stream g - basis of estimate:	Not reported
Discharges to stream g - % from stormwater:	Not reported
Total number of receiving streams:	0
Total surface water discharge:	0
Total on-site underground inj - pounds:	Not reported
On-site underground inj - basis of estimate:	Not reported
Total on-site ugrnd inj to cl i wells - pounds:	0
On-site underground inj to c1 i wells - basis of estimate:	Not reported
Total on-site ugrnd inj to cl ii-v wells - pounds:	0
On-site ungrnd inj to cl ii-v wells - basis of estimate:	Not reported
Total on-site underground injection:	0
Total on-site landfills:	Not reported
On-site landfills - basis of estimate:	Not reported
Total on-site RCRA subtitle c landfills:	0
On-site RCRA subtitle c landfills - basis of estimate:	Not reported
Total other on-site landfills:	0
Other landfills - basis of estimate:	Not reported
Total on-site land treatment:	0

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Land trtmt/appl farming - basis of estimate:	Not reported
Total surface impoundments:	Not reported
Surface impoundment - basis of estimate:	Not reported
Total RCRA c surface impoundments:	0
RCRA c Surface impoundment - basis of estimate:	Not reported
Total other surface impoundments:	0
Other surface impoundment - basis of estimate:	Not reported
Total other disposal:	0
Other disposal - basis of estimate:	Other
Total on-site land releases:	0
Total on-site releases:	5500
Off-site - POTW releases:	0
Off-site - storage only:	0
Off-site - solid/stab - metals:	0
Off-site - wastewater treatment release - metals:	0
Off-site - solid/stab - release - metals:	0
Off-site - wastewater treatment - metals:	0
Off-site - underground injection:	0
Off-site - underground injection - class 1 wells:	0
Off-site - underground injection - class ii-v wells:	0
Off-site - landfills/disposal surface impoundments:	0
Off-site - surface impoundment:	0
Off-site - RCRA subtitle c surface impoundments:	0
Off-site - other surface impoundments:	0
Off-site - other landfills:	0
Off-site - RCRA subtitle c landfills:	0
Off-site - disposal - land treatment:	0
Off-site - disposal - other land disposal:	0
Off-site - disposal - other off-site management:	0
Off-site - disposal - transfer to waste broker:	0
Off-site - disposal - unknown:	0
Total transferred off site for disposal:	0
Off-site - recycling - solvents/organics recovery:	0
Off-site - recycling -metals recovery:	0
Off-site - recycling - other reuse or recovery:	0
Off-site - recycling - acid regeneration:	0
Off-site - recycling - transfer to waste broker:	0
Total transferred off site for recycling:	0
Off-site - energy recovery:	0
Off-site - transfer to waste broker for energy recovery:	0
Total transferred off site for energy recovery:	0
Off-site - POTW treatment:	0
Off-site - solid/stab treatment - non metals:	0
Off-site -incineration/thermal treatment:	0
Off-site - incineration/insignificant heat value:	0
Off-site - wastewater treatment - non-metals:	0
Off-site - other waste treatment:	0
Off-site - transfer to waste broker - waste treatment:	0
Total transferred off site for treatment:	0
Off-site - transfer to waste broker:	0
Total transferred off site for further waste management:	0
Total POTW transfer:	0
Energy recovery on site current year:	0
Recycled on site current year:	0
Treated on site current year:	0
Total on-site waste management:	0
On-site energy recovery method 1:	Not Applicable

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

On-site energy recovery method 2:	Not reported
On-site energy recovery method 3:	Not Applicable
On-site energy recovery method 4:	Not reported
On-site recycling processes method 1:	Not Applicable
On-site recycling processes method 2:	Not reported
On-site recycling processes method 3:	Not reported
On-site recycling processes method 4:	Not reported
On-site recycling processes method 5:	Not reported
On-site recycling processes method 6:	Not reported
On-site recycling processes method 7:	Not reported
FRS Facility ID:	110038102969
Elemental Metal Included:	NO
Waste Rock Pile managed Indicator:	0
Waste Rock Quantity:	Not reported
Off Site - POTW Releases 81C:	0
Off Site - POTW Releases 81D:	0

Chemical Activities and Uses:

Cas number:	000067561
Document control number:	1318217363530
Chemical name: METHANOL	
Classification:	TRI
Unit of measure:	Pounds
Produce the chemical:	Yes
Import the chemical:	No
On-site use of the chemical:	Yes
Sale or distribution of the chemical:	No
As a byproduct:	No
As a manufactured impurity:	Yes
Used as a reactant:	No
P101 feedstocks:	No
P102 raw materials:	No
P103 intermediates:	No
P104 initiators:	No
P199 other:	No
Added as a formulation component:	No
P201 additives:	No
P202 dyes:	No
P203 reaction diluents:	No
P204 initiators:	No
P205 solvents:	No
P206 inhibitors:	No
P207 emulsifiers:	No
P208 surfactants:	No
P209 lubricants:	No
P210 flame retardants:	No
P211 rheological modifiers:	No
P299 other:	No
Used as an article component:	No
Repackaging:	No
As a process impurity:	Yes
Processed / recycling:	No
Used as a chemical processing aid:	No
Z101 process solvents:	No
Z102 catalysts:	No
Z103 inhibitors:	No
Z104 initiators:	No
Z105 reaction terminators:	No

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Z106 solution buffers:	No
Z199 other:	No
Used as a manufacturing aid:	No
Z201 process lubricants:	No
Z202 metalworking fluids:	No
Z203 coolants:	No
Z204 refrigerants:	No
Z205 hydraulic fluids:	No
Z299 other:	No
Ancillary or other use:	Yes
Z301 cleaner:	No
Z302 degreaser:	No
Z303 lubricant:	No
Z304 fuel:	No
Z305 flame retardant:	No
Z306 waste treatment:	No
Z307 water treatment:	No
Z308 construction materials:	No
Z399 other:	No

Submitted Facility Name:	PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT
Submitted Street:	1520 E SEPULVEDA BLVD
Submitted City:	CARSON
Submitted County:	LOS ANGELES
Submitted State:	CA
Submitted Zip Code:	90745
Submitted BIA Code:	Not reported
Submitted Tribe Name:	Not reported
Submitted Parent Company Name:	PHILLIPS 66 CO
Submitted Parent Company DB Number:	078378508
Submitted Standardized Parent Company Name:	PHILLIPS 66
Submitted Primary NAICS Code:	324110
Submitted Industry Code:	324
Submitted Industry Name:	Petroleum
Industry Code:	324
Industry Name:	Petroleum
Last year the facility reported:	2019
First year the facility reported:	1991
Number of forms submitted:	24
Total number of forms submitted:	667 20200808

Detailed Source Reduction Activities and Methods:

Cas number:	000067561
Document control number:	1318217363530
Chemical name: METHANOL	
Classification:	TRI
Unit of measure:	Pounds
On-site limited releases - prior year:	0
On-site limited releases - current year:	0
On-site limited releases - following year:	0
On-site limited releases - 2nd-following year:	0
Other on-site releases - prior year:	13000
Other on-site releases - current year:	5500
Other on-site releases - following year:	5500
Other on-site releases - 2nd-following year:	5500
Off-site limited releases - prior year:	0
Off-site limited releases - current year:	0

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Off-site limited releases - following year:	0
Off-site limited releases - 2nd-following year:	0
Other off-site releases - previous year:	0
Other off-site releases - current year:	0
Other off-site releases - following year:	0
Other off-site releases - 2nd-following year:	0
Energy recovery on site prior year:	0
Energy recovery on site current year:	0
Energy recovery on site following year:	0
Energy recovery on site 2nd-following year:	0
Energy recovery off site prior year:	0
Energy recovery off site current year:	0
Energy recovery off site following year:	0
Energy recovery off site 2nd-following year:	0
Quantity recycled on site prior year:	0
Quantity recycled on site current year:	0
Quantity recycled on site following year:	0
Quantity recycled on site 2nd-following year:	0
Quantity recycled off site prior year:	0
Quantity recycled off site current year:	0
Quantity recycled off site following year:	0
Quantity recycled off site 2nd-following year:	0
Quantity treated on site prior year:	0
Quantity treated on site current year:	0
Quantity treated on site following year:	0
Quantity treated on site 2nd-following year:	0
Quantity treated off site prior year:	0
Quantity treated off site current year:	0
Quantity treated off site following year:	0
Quantity treated off site 2nd-following year:	0
Catastrophic releases or other one-time events:	Not reported
Prod ratio/activity index:	1
Prod ratio or activity:	PRODUCTION
1st SR reduction activity:	NA-NA
1st SR activity ID meth code and desc 1:	Not reported
1st SR activity ID meth code and desc 2:	Not reported
1st SR activity ID meth code and desc 3:	Not reported
EST Ann REDN 1st source REDN act code and desc:	Not reported
2nd SR activity code and desc:	Not reported
2nd SR activity ID meth code and desc 1:	Not reported
2nd SR activity ID meth code and desc 2:	Not reported
2nd SR activity ID meth code and desc 3:	Not reported
EST Ann REDN 2nd source REDN act code and desc:	Not reported
3rd SR activity code and desc:	Not reported
3rd SR activity ID meth code and desc 1:	Not reported
3rd SR activity ID meth code and desc 2:	Not reported
3rd SR activity ID meth code and desc 3:	Not reported
EST Ann REDN 3rd source REDN act code and desc:	Not reported
4th SR activity code and desc:	Not reported
4th SR activity ID meth code and desc 1:	Not reported
4th SR activity ID meth code and desc 2:	Not reported
4th SR activity ID meth code and desc 3:	Not reported
EST Ann REDN 4th source REDN act code and desc:	Not reported

Detailed On-site Waste Treatment Methods and Efficiency:

Cas number:	000067561
Document control number:	1318217363530

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Chemical name:	METHANOL
Classification:	TRI
Unit of measure:	Pounds
Stream 1 - waste stream code:	NA
Stream 1 - trtmt method - sequence 1:	Not reported
Stream 1 - trtmt method - sequence 2:	Not reported
Stream 1 - trtmt method - sequence 3:	Not reported
Stream 1 - trtmt method - sequence 4:	Not reported
Stream 1 - trtmt method - sequence 5:	Not reported
Stream 1 - trtmt method - sequence 6:	Not reported
Stream 1 - trtmt method - sequence 7:	Not reported
Stream 1 - trtmt method - sequence 8:	Not reported
Stream 1 - based on operating data:	Not reported
Stream 2 - waste stream code:	Not reported
Stream 2 - trtmt method - sequence 1:	Not reported
Stream 2 - trtmt method - sequence 2:	Not reported
Stream 2 - trtmt method - sequence 3:	Not reported
Stream 2 - trtmt method - sequence 4:	Not reported
Stream 2 - trtmt method - sequence 5:	Not reported
Stream 2 - trtmt method - sequence 6:	Not reported
Stream 2 - trtmt method - sequence 7:	Not reported
Stream 2 - trtmt method - sequence 8:	Not reported
Stream 2 - based on operating data:	Not reported
Stream 3 - waste stream code:	Not reported
Stream 3 - trtmt method - sequence 1:	Not reported
Stream 3 - trtmt method - sequence 2:	Not reported
Stream 3 - trtmt method - sequence 3:	Not reported
Stream 3 - trtmt method - sequence 4:	Not reported
Stream 3 - trtmt method - sequence 5:	Not reported
Stream 3 - trtmt method - sequence 6:	Not reported
Stream 3 - trtmt method - sequence 7:	Not reported
Stream 3 - trtmt method - sequence 8:	Not reported
Stream 3 - based on operating data:	Not reported
Stream 4 - waste stream code:	Not reported
Stream 4 - trtmt method - sequence 1:	Not reported
Stream 4 - trtmt method - sequence 2:	Not reported
Stream 4 - trtmt method - sequence 3:	Not reported
Stream 4 - trtmt method - sequence 4:	Not reported
Stream 4 - trtmt method - sequence 5:	Not reported
Stream 4 - trtmt method - sequence 6:	Not reported
Stream 4 - trtmt method - sequence 7:	Not reported
Stream 4 - trtmt method - sequence 8:	Not reported
Stream 4 - based on operating data:	Not reported
Stream 5 - waste stream code:	Not reported
Stream 5 - trtmt method - sequence 1:	Not reported
Stream 5 - trtmt method - sequence 2:	Not reported
Stream 5 - trtmt method - sequence 3:	Not reported
Stream 5 - trtmt method - sequence 4:	Not reported
Stream 5 - trtmt method - sequence 5:	Not reported
Stream 5 - trtmt method - sequence 6:	Not reported
Stream 5 - trtmt method - sequence 7:	Not reported
Stream 5 - trtmt method - sequence 8:	Not reported
Stream 5 - based on operating data:	Not reported

TRI ID:	90745NCLCR1520E
Cas number:	000108952

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Chemical name: PHENOL	
Classification:	TRI
Unit of measure:	Pounds
Metal ind:	NO
Revision code 1:	Not reported
Revision code 2:	Not reported
Maximum amount on site:	03
Fugitive air emissions - total release pounds:	1
Fugitive air emissions - total release range code:	Not reported
Total fugitive air emissions:	1
Fugitive air emissions - basis of estimate:	Other
Stack air emissions - release pounds:	100
Stack air emissions - release range code:	Not reported
Total stack air emissions:	100
Stack air emissions - basis of estimate:	Other
Total air emissions:	101
Discharges to stream a - stream name:	NA
Total discharges to stream a:	0
Discharges to stream a - basis of estimate:	Not reported
Discharges to stream a - % from stormwater:	Not reported
Discharges to stream b - stream name:	Not reported
Total discharges to stream b:	Not reported
Discharges to stream b - basis of estimate:	Not reported
Discharges to stream b - % from stormwater:	Not reported
Discharges to stream c - stream name:	Not reported
Total discharges to stream c:	Not reported
Discharges to stream c - basis of estimate:	Not reported
Discharges to stream c - % from stormwater:	Not reported
Discharges to stream d - stream name:	Not reported
Total discharges to stream d:	Not reported
Discharges to stream d - basis of estimate:	Not reported
Discharges to stream d - % from stormwater:	Not reported
Discharges to stream e - stream name:	Not reported
Total discharges to stream e:	Not reported
Discharges to stream e - basis of estimate:	Not reported
Discharges to stream e - % from stormwater:	Not reported
Discharges to stream f - stream name:	Not reported
Total discharges to stream f:	Not reported
Discharges to stream f - basis of estimate:	Not reported
Discharges to stream f - % from stormwater:	Not reported
Discharges to stream g - stream name:	Not reported
Total discharges to stream g:	Not reported
Discharges to stream g - basis of estimate:	Not reported
Discharges to stream g - % from stormwater:	Not reported
Total number of receiving streams:	0
Total surface water discharge:	0
Total on-site underground inj - pounds:	Not reported
On-site underground inj - basis of estimate:	Not reported
Total on-site ugrnd inj to cl i wells - pounds:	0
On-site underground inj to c1 i wells - basis of estimate:	Not reported
Total on-site ugrnd inj to cl ii-v wells - pounds:	0
On-site ungrnd inj to cl ii-v wells - basis of estimate:	Not reported
Total on-site underground injection:	0
Total on-site landfills:	Not reported
On-site landfills - basis of estimate:	Not reported
Total on-site RCRA subtitle c landfills:	0
On-site RCRA subtitle c landfills - basis of estimate:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Total other on-site landfills:	0
Other landfills - basis of estimate:	Not reported
Total on-site land treatment:	0
Land trtmt/appl farming - basis of estimate:	Not reported
Total surface impoundments:	Not reported
Surface impoundment - basis of estimate:	Not reported
Total RCRA c surface impoundments:	0
RCRA c Surface impoundment - basis of estimate:	Not reported
Total other surface impoundments:	0
Other surface impoundment - basis of estimate:	Not reported
Total other disposal:	0
Other disposal - basis of estimate:	Other
Total on-site land releases:	0
Total on-site releases:	101
Off-site - POTW releases:	6240
Off-site - storage only:	0
Off-site - solid/stab - metals:	0
Off-site - wastewater treatment release - metals:	0
Off-site - solid/stab - release - metals:	0
Off-site - wastewater treatment - metals:	0
Off-site - underground injection:	0
Off-site - underground injection - class 1 wells:	0
Off-site - underground injection - class ii-v wells:	0
Off-site - landfills/disposal surface impoundments:	0
Off-site - surface impoundment:	0
Off-site - RCRA subtitle c surface impoundments:	0
Off-site - other surface impoundments:	0
Off-site - other landfills:	0
Off-site - RCRA subtitle c landfills:	0
Off-site - disposal - land treatment:	0
Off-site - disposal - other land disposal:	0
Off-site - disposal - other off-site management:	0
Off-site - disposal - transfer to waste broker:	0
Off-site - disposal - unknown:	0
Total transferred off site for disposal:	6240
Off-site - recycling - solvents/organics recovery:	0
Off-site - recycling -metals recovery:	0
Off-site - recycling - other reuse or recovery:	0
Off-site - recycling - acid regeneration:	0
Off-site - recycling - transfer to waste broker:	0
Total transferred off site for recycling:	0
Off-site - energy recovery:	0
Off-site - transfer to waste broker for energy recovery:	0
Total transferred off site for energy recovery:	0
Off-site - POTW treatment:	71760
Off-site - solid/stab treatment - non metals:	0
Off-site -incineration/thermal treatment:	0
Off-site - incineration/insignificant heat value:	0
Off-site - wastewater treatment - non-metals:	0
Off-site - other waste treatment:	0
Off-site - transfer to waste broker - waste treatment:	0
Total transferred off site for treatment:	71760
Off-site - transfer to waste broker:	0
Total transferred off site for further waste management:	71760
Total POTW transfer:	78000
Energy recovery on site current year:	0
Recycled on site current year:	0

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Treated on site current year:	0
Total on-site waste management:	0
On-site energy recovery method 1:	Not Applicable
On-site energy recovery method 2:	Not reported
On-site energy recovery method 3:	Not Applicable
On-site energy recovery method 4:	Not reported
On-site recycling processes method 1:	Not Applicable
On-site recycling processes method 2:	Not reported
On-site recycling processes method 3:	Not reported
On-site recycling processes method 4:	Not reported
On-site recycling processes method 5:	Not reported
On-site recycling processes method 6:	Not reported
On-site recycling processes method 7:	Not reported
FRS Facility ID:	110038102969
Elemental Metal Included:	NO
Waste Rock Pile managed Indicator:	0
Waste Rock Quantity:	Not reported
Off Site - POTW Releases 81C:	0
Off Site - POTW Releases 81D:	6240

Chemical Activities and Uses:

Cas number:	000108952
Document control number:	1318217363579
Chemical name: PHENOL	
Classification:	TRI
Unit of measure:	Pounds
Produce the chemical:	Yes
Import the chemical:	Yes
On-site use of the chemical:	No
Sale or distribution of the chemical:	No
As a byproduct:	No
As a manufactured impurity:	Yes
Used as a reactant:	No
P101 feedstocks:	No
P102 raw materials:	No
P103 intermediates:	No
P104 initiators:	No
P199 other:	No
Added as a formulation component:	No
P201 additives:	No
P202 dyes:	No
P203 reaction diluents:	No
P204 initiators:	No
P205 solvents:	No
P206 inhibitors:	No
P207 emulsifiers:	No
P208 surfactants:	No
P209 lubricants:	No
P210 flame retardants:	No
P211 rheological modifiers:	No
P299 other:	No
Used as an article component:	No
Repackaging:	No
As a process impurity:	Yes
Processed / recycling:	No
Used as a chemical processing aid:	No
Z101 process solvents:	No
Z102 catalysts:	No

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Z103 inhibitors:	No
Z104 initiators:	No
Z105 reaction terminators:	No
Z106 solution buffers:	No
Z199 other:	No
Used as a manufacturing aid:	No
Z201 process lubricants:	No
Z202 metalworking fluids:	No
Z203 coolants:	No
Z204 refrigerants:	No
Z205 hydraulic fluids:	No
Z299 other:	No
Ancillary or other use:	No
Z301 cleaner:	No
Z302 degreaser:	No
Z303 lubricant:	No
Z304 fuel:	No
Z305 flame retardant:	No
Z306 waste treatment:	No
Z307 water treatment:	No
Z308 construction materials:	No
Z399 other:	No

Submitted Facility Name:	PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT
Submitted Street:	1520 E SEPULVEDA BLVD
Submitted City:	CARSON
Submitted County:	LOS ANGELES
Submitted State:	CA
Submitted Zip Code:	90745
Submitted BIA Code:	Not reported
Submitted Tribe Name:	Not reported
Submitted Parent Company Name:	PHILLIPS 66 CO
Submitted Parent Company DB Number:	078378508
Submitted Standardized Parent Company Name:	PHILLIPS 66
Submitted Primary NAICS Code:	324110
Submitted Industry Code:	324
Submitted Industry Name:	Petroleum
Industry Code:	324
Industry Name:	Petroleum
Last year the facility reported:	2019
First year the facility reported:	1991
Number of forms submitted:	24
Total number of forms submitted:	667 20200808

Detailed Source Reduction Activities and Methods:

Cas number:	000108952
Document control number:	1318217363579
Chemical name: PHENOL	
Classification:	TRI
Unit of measure:	Pounds
On-site limited releases - prior year:	0
On-site limited releases - current year:	0
On-site limited releases - following year:	0
On-site limited releases - 2nd-following year:	0
Other on-site releases - prior year:	110
Other on-site releases - current year:	100
Other on-site releases - following year:	100

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Other on-site releases - 2nd-following year:	100
Off-site limited releases - prior year:	0
Off-site limited releases - current year:	0
Off-site limited releases - following year:	0
Off-site limited releases - 2nd-following year:	0
Other off-site releases - previous year:	0
Other off-site releases - current year:	6200
Other off-site releases - following year:	6200
Other off-site releases - 2nd-following year:	6200
Energy recovery on site prior year:	0
Energy recovery on site current year:	0
Energy recovery on site following year:	0
Energy recovery on site 2nd-following year:	0
Energy recovery off site prior year:	0
Energy recovery off site current year:	0
Energy recovery off site following year:	0
Energy recovery off site 2nd-following year:	0
Quantity recycled on site prior year:	0
Quantity recycled on site current year:	0
Quantity recycled on site following year:	0
Quantity recycled on site 2nd-following year:	0
Quantity recycled off site prior year:	0
Quantity recycled off site current year:	0
Quantity recycled off site following year:	0
Quantity recycled off site 2nd-following year:	0
Quantity treated on site prior year:	0
Quantity treated on site current year:	0
Quantity treated on site following year:	0
Quantity treated on site 2nd-following year:	0
Quantity treated off site prior year:	72000
Quantity treated off site current year:	72000
Quantity treated off site following year:	72000
Quantity treated off site 2nd-following year:	72000
Catastrophic releases or other one-time events:	Not reported
Prod ratio/activity index:	1
Prod ratio or activity:	PRODUCTION
1st SR reduction activity:	NA-NA
1st SR activity ID meth code and desc 1:	Not reported
1st SR activity ID meth code and desc 2:	Not reported
1st SR activity ID meth code and desc 3:	Not reported
EST Ann REDN 1st source REDN act code and desc:	Not reported
2nd SR activity code and desc:	Not reported
2nd SR activity ID meth code and desc 1:	Not reported
2nd SR activity ID meth code and desc 2:	Not reported
2nd SR activity ID meth code and desc 3:	Not reported
EST Ann REDN 2nd source REDN act code and desc:	Not reported
3rd SR activity code and desc:	Not reported
3rd SR activity ID meth code and desc 1:	Not reported
3rd SR activity ID meth code and desc 2:	Not reported
3rd SR activity ID meth code and desc 3:	Not reported
EST Ann REDN 3rd source REDN act code and desc:	Not reported
4th SR activity code and desc:	Not reported
4th SR activity ID meth code and desc 1:	Not reported
4th SR activity ID meth code and desc 2:	Not reported
4th SR activity ID meth code and desc 3:	Not reported
EST Ann REDN 4th source REDN act code and desc:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Detailed On-site Waste Treatment Methods and Efficiency:

Cas number:	000108952
Document control number:	1318217363579
Chemical name: PHENOL	
Classification:	TRI
Unit of measure:	Pounds
Stream 1 - waste stream code:	NA
Stream 1 - trtmt method - sequence 1:	Not reported
Stream 1 - trtmt method - sequence 2:	Not reported
Stream 1 - trtmt method - sequence 3:	Not reported
Stream 1 - trtmt method - sequence 4:	Not reported
Stream 1 - trtmt method - sequence 5:	Not reported
Stream 1 - trtmt method - sequence 6:	Not reported
Stream 1 - trtmt method - sequence 7:	Not reported
Stream 1 - trtmt method - sequence 8:	Not reported
Stream 1 - based on operating data:	Not reported
Stream 2 - waste stream code:	Not reported
Stream 2 - trtmt method - sequence 1:	Not reported
Stream 2 - trtmt method - sequence 2:	Not reported
Stream 2 - trtmt method - sequence 3:	Not reported
Stream 2 - trtmt method - sequence 4:	Not reported
Stream 2 - trtmt method - sequence 5:	Not reported
Stream 2 - trtmt method - sequence 6:	Not reported
Stream 2 - trtmt method - sequence 7:	Not reported
Stream 2 - trtmt method - sequence 8:	Not reported
Stream 2 - based on operating data:	Not reported
Stream 3 - waste stream code:	Not reported
Stream 3 - trtmt method - sequence 1:	Not reported
Stream 3 - trtmt method - sequence 2:	Not reported
Stream 3 - trtmt method - sequence 3:	Not reported
Stream 3 - trtmt method - sequence 4:	Not reported
Stream 3 - trtmt method - sequence 5:	Not reported
Stream 3 - trtmt method - sequence 6:	Not reported
Stream 3 - trtmt method - sequence 7:	Not reported
Stream 3 - trtmt method - sequence 8:	Not reported
Stream 3 - based on operating data:	Not reported
Stream 4 - waste stream code:	Not reported
Stream 4 - trtmt method - sequence 1:	Not reported
Stream 4 - trtmt method - sequence 2:	Not reported
Stream 4 - trtmt method - sequence 3:	Not reported
Stream 4 - trtmt method - sequence 4:	Not reported
Stream 4 - trtmt method - sequence 5:	Not reported
Stream 4 - trtmt method - sequence 6:	Not reported
Stream 4 - trtmt method - sequence 7:	Not reported
Stream 4 - trtmt method - sequence 8:	Not reported
Stream 4 - based on operating data:	Not reported
Stream 5 - waste stream code:	Not reported
Stream 5 - trtmt method - sequence 1:	Not reported
Stream 5 - trtmt method - sequence 2:	Not reported
Stream 5 - trtmt method - sequence 3:	Not reported
Stream 5 - trtmt method - sequence 4:	Not reported
Stream 5 - trtmt method - sequence 5:	Not reported
Stream 5 - trtmt method - sequence 6:	Not reported
Stream 5 - trtmt method - sequence 7:	Not reported
Stream 5 - trtmt method - sequence 8:	Not reported
Stream 5 - based on operating data:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Details of Transfers to Publicly Owned Treatment Works:

Cas number:	000108952
Document control number:	1318217363579
Chemical name: PHENOL	
Classification:	TRI
Unit of measure:	Pounds
POTW name:	LOS ANGELES COUNTY SANITATION DISTRICT
POTW address:	24501 S FIGUEROA ST
POTW City,State,Zip:	CARSON, CA 90745
POTW county:	LOS ANGELES
Quantity transferred:	78000
Basis of estimate:	Not reported
Discharges to water streams:	0
Discharges to water streams - basis of estimate:	Not reported
Discharges to other activities:	0
Discharges to other activities - basis of estimate:	Not reported
Released to air:	0
Released to air - basis of estimate:	Not reported
Sludge to disposal:	0
Sludge to disposal - basis of estimate:	Not reported
Sludge to incineration - metals:	0
Sludge to incineration - metals - basis of estimate:	Not reported
Sludge to agricultural applications:	0
Sludge to agricultural applications - basis of estimate:	Not reported
Other or unknown disposal:	6240
Other or unknown disposal - basis of estimate:	Published Emission Factors
Other or unknown treatment:	0
Other or unknown treatment - basis of estimate:	Not reported
Sludge to incineration - nonmetals:	0
Sludge to incineration - nonmetals - basis of estimate:	Not reported
Total treated:	71760
POTW Registry ID:	Not reported
Off Site - POTW Releases 81C:	0
Off Site - POTW Releases 81D:	6240
Off Site - POTW Releases:	6240
Experimental and Est. Treatment:	71760
Experimental and Est. Treatment - Basis of Est.:	E1

TRI ID:	90745NCLCR1520E
Cas number:	000463581
Chemical name: CARBONYL SULFIDE	
Classification:	TRI
Unit of measure:	Pounds
Metal ind:	NO
Revision code 1:	Not reported
Revision code 2:	Not reported
Maximum amount on site:	06
Fugitive air emissions - total release pounds:	0
Fugitive air emissions - total release range code:	Not reported
Total fugitive air emissions:	0
Fugitive air emissions - basis of estimate:	Other
Stack air emissions - release pounds:	20000
Stack air emissions - release range code:	Not reported
Total stack air emissions:	20000
Stack air emissions - basis of estimate:	Other
Total air emissions:	20000

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Discharges to stream a - stream name:	NA
Total discharges to stream a:	0
Discharges to stream a - basis of estimate:	Not reported
Discharges to stream a - % from stormwater:	Not reported
Discharges to stream b - stream name:	Not reported
Total discharges to stream b:	Not reported
Discharges to stream b - basis of estimate:	Not reported
Discharges to stream b - % from stormwater:	Not reported
Discharges to stream c - stream name:	Not reported
Total discharges to stream c:	Not reported
Discharges to stream c - basis of estimate:	Not reported
Discharges to stream c - % from stormwater:	Not reported
Discharges to stream d - stream name:	Not reported
Total discharges to stream d:	Not reported
Discharges to stream d - basis of estimate:	Not reported
Discharges to stream d - % from stormwater:	Not reported
Discharges to stream e - stream name:	Not reported
Total discharges to stream e:	Not reported
Discharges to stream e - basis of estimate:	Not reported
Discharges to stream e - % from stormwater:	Not reported
Discharges to stream f - stream name:	Not reported
Total discharges to stream f:	Not reported
Discharges to stream f - basis of estimate:	Not reported
Discharges to stream f - % from stormwater:	Not reported
Discharges to stream g - stream name:	Not reported
Total discharges to stream g:	Not reported
Discharges to stream g - basis of estimate:	Not reported
Discharges to stream g - % from stormwater:	Not reported
Total number of receiving streams:	0
Total surface water discharge:	0
Total on-site underground inj - pounds:	Not reported
On-site underground inj - basis of estimate:	Not reported
Total on-site ugrnd inj to cl i wells - pounds:	0
On-site underground inj to c1 i wells - basis of estimate:	Not reported
Total on-site ugrnd inj to cl ii-v wells - pounds:	0
On-site ungrnd inj to cl ii-v wells - basis of estimate:	Not reported
Total on-site underground injection:	0
Total on-site landfills:	Not reported
On-site landfills - basis of estimate:	Not reported
Total on-site RCRA subtitle c landfills:	0
On-site RCRA subtitle c landfills - basis of estimate:	Not reported
Total other on-site landfills:	0
Other landfills - basis of estimate:	Not reported
Total on-site land treatment:	0
Land trtmt/appl farming - basis of estimate:	Not reported
Total surface impoundments:	Not reported
Surface impoundment - basis of estimate:	Not reported
Total RCRA c surface impoundments:	0
RCRA c Surface impoundment - basis of estimate:	Not reported
Total other surface impoundments:	0
Other surface impoundment - basis of estimate:	Not reported
Total other disposal:	0
Other disposal - basis of estimate:	Not reported
Total on-site land releases:	0
Total on-site releases:	20000
Off-site - POTW releases:	0
Off-site - storage only:	0

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Off-site - solid/stab - metals:	0
Off-site - wastewater treatment release - metals:	0
Off-site - solid/stab - release - metals:	0
Off-site - wastewater treatment - metals:	0
Off-site - underground injection:	0
Off-site - underground injection - class 1 wells:	0
Off-site - underground injection - class ii-v wells:	0
Off-site - landfills/disposal surface impoundments:	0
Off-site - surface impoundment:	0
Off-site - RCRA subtitle c surface impoundments:	0
Off-site - other surface impoundments:	0
Off-site - other landfills:	0
Off-site - RCRA subtitle c landfills:	0
Off-site - disposal - land treatment:	0
Off-site - disposal - other land disposal:	0
Off-site - disposal - other off-site management:	0
Off-site - disposal - transfer to waste broker:	0
Off-site - disposal - unknown:	0
Total transferred off site for disposal:	0
Off-site - recycling - solvents/organics recovery:	0
Off-site - recycling -metals recovery:	0
Off-site - recycling - other reuse or recovery:	0
Off-site - recycling - acid regeneration:	0
Off-site - recycling - transfer to waste broker:	0
Total transferred off site for recycling:	0
Off-site - energy recovery:	0
Off-site - transfer to waste broker for energy recovery:	0
Total transferred off site for energy recovery:	0
Off-site - POTW treatment:	0
Off-site - solid/stab treatment - non metals:	0
Off-site -incineration/thermal treatment:	0
Off-site - incineration/insignificant heat value:	0
Off-site - wastewater treatment - non-metals:	0
Off-site - other waste treatment:	0
Off-site - transfer to waste broker - waste treatment:	0
Total transferred off site for treatment:	0
Off-site - transfer to waste broker:	0
Total transferred off site for further waste management:	0
Total POTW transfer:	0
Energy recovery on site current year:	0
Recycled on site current year:	0
Treated on site current year:	40000
Total on-site waste management:	40000
On-site energy recovery method 1:	Not Applicable
On-site energy recovery method 2:	Not reported
On-site energy recovery method 3:	Not Applicable
On-site energy recovery method 4:	Not reported
On-site recycling processes method 1:	Not Applicable
On-site recycling processes method 2:	Not reported
On-site recycling processes method 3:	Not reported
On-site recycling processes method 4:	Not reported
On-site recycling processes method 5:	Not reported
On-site recycling processes method 6:	Not reported
On-site recycling processes method 7:	Not reported
FRS Facility ID:	110038102969
Elemental Metal Included:	NO
Waste Rock Pile managed Indicator:	0

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Waste Rock Quantity:	Not reported
Off Site - POTW Releases 81C:	0
Off Site - POTW Releases 81D:	0

Chemical Activities and Uses:

Cas number:	000463581
Document control number:	1318217363454
Chemical name:	CARBONYL SULFIDE
Classification:	TRI
Unit of measure:	Pounds
Produce the chemical:	Yes
Import the chemical:	No
On-site use of the chemical:	Yes
Sale or distribution of the chemical:	No
As a byproduct:	Yes
As a manufactured impurity:	No
Used as a reactant:	Yes
P101 feedstocks:	No
P102 raw materials:	No
P103 intermediates:	No
P104 initiators:	No
P199 other:	No
Added as a formulation component:	No
P201 additives:	No
P202 dyes:	No
P203 reaction diluents:	No
P204 initiators:	No
P205 solvents:	No
P206 inhibitors:	No
P207 emulsifiers:	No
P208 surfactants:	No
P209 lubricants:	No
P210 flame retardants:	No
P211 rheological modifiers:	No
P299 other:	No
Used as an article component:	No
Repackaging:	No
As a process impurity:	No
Processed / recycling:	No
Used as a chemical processing aid:	No
Z101 process solvents:	No
Z102 catalysts:	No
Z103 inhibitors:	No
Z104 initiators:	No
Z105 reaction terminators:	No
Z106 solution buffers:	No
Z199 other:	No
Used as a manufacturing aid:	No
Z201 process lubricants:	No
Z202 metalworking fluids:	No
Z203 coolants:	No
Z204 refrigerants:	No
Z205 hydraulic fluids:	No
Z299 other:	No
Ancillary or other use:	No
Z301 cleaner:	No
Z302 degreaser:	No
Z303 lubricant:	No

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Z304 fuel:	No
Z305 flame retardant:	No
Z306 waste treatment:	No
Z307 water treatment:	No
Z308 construction materials:	No
Z399 other:	No

Submitted Facility Name:	PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT
Submitted Street:	1520 E SEPULVEDA BLVD
Submitted City:	CARSON
Submitted County:	LOS ANGELES
Submitted State:	CA
Submitted Zip Code:	90745
Submitted BIA Code:	Not reported
Submitted Tribe Name:	Not reported
Submitted Parent Company Name:	PHILLIPS 66 CO
Submitted Parent Company DB Number:	078378508
Submitted Standardized Parent Company Name:	PHILLIPS 66
Submitted Primary NAICS Code:	324110
Submitted Industry Code:	324
Submitted Industry Name:	Petroleum
Industry Code:	324
Industry Name:	Petroleum
Last year the facility reported:	2019
First year the facility reported:	1991
Number of forms submitted:	24
Total number of forms submitted:	667 20200808

Detailed Source Reduction Activities and Methods:

Cas number:	000463581
Document control number:	1318217363454
Chemical name:	CARBONYL SULFIDE
Classification:	TRI
Unit of measure:	Pounds
On-site limited releases - prior year:	0
On-site limited releases - current year:	0
On-site limited releases - following year:	0
On-site limited releases - 2nd-following year:	0
Other on-site releases - prior year:	19000
Other on-site releases - current year:	20000
Other on-site releases - following year:	20000
Other on-site releases - 2nd-following year:	20000
Off-site limited releases - prior year:	0
Off-site limited releases - current year:	0
Off-site limited releases - following year:	0
Off-site limited releases - 2nd-following year:	0
Other off-site releases - previous year:	0
Other off-site releases - current year:	0
Other off-site releases - following year:	0
Other off-site releases - 2nd-following year:	0
Energy recovery on site prior year:	0
Energy recovery on site current year:	0
Energy recovery on site following year:	0
Energy recovery on site 2nd-following year:	0
Energy recovery off site prior year:	0
Energy recovery off site current year:	0
Energy recovery off site following year:	0

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Energy recovery off site 2nd-following year:	0
Quantity recycled on site prior year:	0
Quantity recycled on site current year:	0
Quantity recycled on site following year:	0
Quantity recycled on site 2nd-following year:	0
Quantity recycled off site prior year:	0
Quantity recycled off site current year:	0
Quantity recycled off site following year:	0
Quantity recycled off site 2nd-following year:	0
Quantity treated on site prior year:	39000
Quantity treated on site current year:	40000
Quantity treated on site following year:	40000
Quantity treated on site 2nd-following year:	40000
Quantity treated off site prior year:	0
Quantity treated off site current year:	0
Quantity treated off site following year:	0
Quantity treated off site 2nd-following year:	0
Catastrophic releases or other one-time events:	Not reported
Prod ratio/activity index:	1
Prod ratio or activity:	PRODUCTION
1st SR reduction activity:	NA-NA
1st SR activity ID meth code and desc 1:	Not reported
1st SR activity ID meth code and desc 2:	Not reported
1st SR activity ID meth code and desc 3:	Not reported
EST Ann REDN 1st source REDN act code and desc:	Not reported
2nd SR activity code and desc:	Not reported
2nd SR activity ID meth code and desc 1:	Not reported
2nd SR activity ID meth code and desc 2:	Not reported
2nd SR activity ID meth code and desc 3:	Not reported
EST Ann REDN 2nd source REDN act code and desc:	Not reported
3rd SR activity code and desc:	Not reported
3rd SR activity ID meth code and desc 1:	Not reported
3rd SR activity ID meth code and desc 2:	Not reported
3rd SR activity ID meth code and desc 3:	Not reported
EST Ann REDN 3rd source REDN act code and desc:	Not reported
4th SR activity code and desc:	Not reported
4th SR activity ID meth code and desc 1:	Not reported
4th SR activity ID meth code and desc 2:	Not reported
4th SR activity ID meth code and desc 3:	Not reported
EST Ann REDN 4th source REDN act code and desc:	Not reported

Detailed On-site Waste Treatment Methods and Efficiency:

Cas number:	000463581
Document control number:	1318217363454
Chemical name:	CARBONYL SULFIDE
Classification:	TRI
Unit of measure:	Pounds
Stream 1 - waste stream code:	Gaseous (gases, vapors, airborne particulates)
Stream 1 - trtmt method - sequence 1:	Incineration--thermal destruction other than use as a fuel
Stream 1 - trtmt method - sequence 2:	Not reported
Stream 1 - trtmt method - sequence 3:	Not reported
Stream 1 - trtmt method - sequence 4:	Not reported
Stream 1 - trtmt method - sequence 5:	Not reported
Stream 1 - trtmt method - sequence 6:	Not reported
Stream 1 - trtmt method - sequence 7:	Not reported
Stream 1 - trtmt method - sequence 8:	Not reported
Stream 1 - based on operating data:	NO

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Stream 2 - waste stream code:	Not reported
Stream 2 - trtmt method - sequence 1:	Not reported
Stream 2 - trtmt method - sequence 2:	Not reported
Stream 2 - trtmt method - sequence 3:	Not reported
Stream 2 - trtmt method - sequence 4:	Not reported
Stream 2 - trtmt method - sequence 5:	Not reported
Stream 2 - trtmt method - sequence 6:	Not reported
Stream 2 - trtmt method - sequence 7:	Not reported
Stream 2 - trtmt method - sequence 8:	Not reported
Stream 2 - based on operating data:	Not reported
Stream 3 - waste stream code:	Not reported
Stream 3 - trtmt method - sequence 1:	Not reported
Stream 3 - trtmt method - sequence 2:	Not reported
Stream 3 - trtmt method - sequence 3:	Not reported
Stream 3 - trtmt method - sequence 4:	Not reported
Stream 3 - trtmt method - sequence 5:	Not reported
Stream 3 - trtmt method - sequence 6:	Not reported
Stream 3 - trtmt method - sequence 7:	Not reported
Stream 3 - trtmt method - sequence 8:	Not reported
Stream 3 - based on operating data:	Not reported
Stream 4 - waste stream code:	Not reported
Stream 4 - trtmt method - sequence 1:	Not reported
Stream 4 - trtmt method - sequence 2:	Not reported
Stream 4 - trtmt method - sequence 3:	Not reported
Stream 4 - trtmt method - sequence 4:	Not reported
Stream 4 - trtmt method - sequence 5:	Not reported
Stream 4 - trtmt method - sequence 6:	Not reported
Stream 4 - trtmt method - sequence 7:	Not reported
Stream 4 - trtmt method - sequence 8:	Not reported
Stream 4 - based on operating data:	Not reported
Stream 5 - waste stream code:	Not reported
Stream 5 - trtmt method - sequence 1:	Not reported
Stream 5 - trtmt method - sequence 2:	Not reported
Stream 5 - trtmt method - sequence 3:	Not reported
Stream 5 - trtmt method - sequence 4:	Not reported
Stream 5 - trtmt method - sequence 5:	Not reported
Stream 5 - trtmt method - sequence 6:	Not reported
Stream 5 - trtmt method - sequence 7:	Not reported
Stream 5 - trtmt method - sequence 8:	Not reported
Stream 5 - based on operating data:	Not reported

TRI ID:		90745NCLCR1520E
Cas number:		000074851
Chemical name:	ETHYLENE	
Classification:		TRI
Unit of measure:		Pounds
Metal ind:		NO
Revision code 1:		Not reported
Revision code 2:		Not reported
Maximum amount on site:		05
Fugitive air emissions - total release pounds:		300
Fugitive air emissions - total release range code:		Not reported
Total fugitive air emissions:		300
Fugitive air emissions - basis of estimate:		Other
Stack air emissions - release pounds:		11
Stack air emissions - release range code:		Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Total stack air emissions:	11
Stack air emissions - basis of estimate:	Periodic/Random Monotoning Data
Total air emissions:	311
Discharges to stream a - stream name:	NA
Total discharges to stream a:	0
Discharges to stream a - basis of estimate:	Not reported
Discharges to stream a - % from stormwater:	Not reported
Discharges to stream b - stream name:	Not reported
Total discharges to stream b:	Not reported
Discharges to stream b - basis of estimate:	Not reported
Discharges to stream b - % from stormwater:	Not reported
Discharges to stream c - stream name:	Not reported
Total discharges to stream c:	Not reported
Discharges to stream c - basis of estimate:	Not reported
Discharges to stream c - % from stormwater:	Not reported
Discharges to stream d - stream name:	Not reported
Total discharges to stream d:	Not reported
Discharges to stream d - basis of estimate:	Not reported
Discharges to stream d - % from stormwater:	Not reported
Discharges to stream e - stream name:	Not reported
Total discharges to stream e:	Not reported
Discharges to stream e - basis of estimate:	Not reported
Discharges to stream e - % from stormwater:	Not reported
Discharges to stream f - stream name:	Not reported
Total discharges to stream f:	Not reported
Discharges to stream f - basis of estimate:	Not reported
Discharges to stream f - % from stormwater:	Not reported
Discharges to stream g - stream name:	Not reported
Total discharges to stream g:	Not reported
Discharges to stream g - basis of estimate:	Not reported
Discharges to stream g - % from stormwater:	Not reported
Total number of receiving streams:	0
Total surface water discharge:	0
Total on-site underground inj - pounds:	Not reported
On-site underground inj - basis of estimate:	Not reported
Total on-site ugrnd inj to cl i wells - pounds:	0
On-site underground inj to c1 i wells - basis of estimate:	Not reported
Total on-site ugrnd inj to cl ii-v wells - pounds:	0
On-site ungrnd inj to cl ii-v wells - basis of estimate:	Not reported
Total on-site underground injection:	0
Total on-site landfills:	Not reported
On-site landfills - basis of estimate:	Not reported
Total on-site RCRA subtitle c landfills:	0
On-site RCRA subtitle c landfills - basis of estimate:	Not reported
Total other on-site landfills:	0
Other landfills - basis of estimate:	Not reported
Total on-site land treatment:	0
Land trtmt/appl farming - basis of estimate:	Not reported
Total surface impoundments:	Not reported
Surface impoundment - basis of estimate:	Not reported
Total RCRA c surface impoundments:	0
RCRA c Surface impoundment - basis of estimate:	Not reported
Total other surface impoundments:	0
Other surface impoundment - basis of estimate:	Not reported
Total other disposal:	0
Other disposal - basis of estimate:	Not reported
Total on-site land releases:	0

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Total on-site releases:	311
Off-site - POTW releases:	0
Off-site - storage only:	0
Off-site - solid/stab - metals:	0
Off-site - wastewater treatment release - metals:	0
Off-site - solid/stab - release - metals:	0
Off-site - wastewater treatment - metals:	0
Off-site - underground injection:	0
Off-site - underground injection - class 1 wells:	0
Off-site - underground injection - class ii-v wells:	0
Off-site - landfills/disposal surface impoundments:	0
Off-site - surface impoundment:	0
Off-site - RCRA subtitle c surface impoundments:	0
Off-site - other surface impoundments:	0
Off-site - other landfills:	0
Off-site - RCRA subtitle c landfills:	0
Off-site - disposal - land treatment:	0
Off-site - disposal - other land disposal:	0
Off-site - disposal - other off-site management:	0
Off-site - disposal - transfer to waste broker:	0
Off-site - disposal - unknown:	0
Total transferred off site for disposal:	0
Off-site - recycling - solvents/organics recovery:	0
Off-site - recycling -metals recovery:	0
Off-site - recycling - other reuse or recovery:	0
Off-site - recycling - acid regeneration:	0
Off-site - recycling - transfer to waste broker:	0
Total transferred off site for recycling:	0
Off-site - energy recovery:	0
Off-site - transfer to waste broker for energy recovery:	0
Total transferred off site for energy recovery:	0
Off-site - POTW treatment:	0
Off-site - solid/stab treatment - non metals:	0
Off-site -incineration/thermal treatment:	0
Off-site - incineration/insignificant heat value:	0
Off-site - wastewater treatment - non-metals:	0
Off-site - other waste treatment:	0
Off-site - transfer to waste broker - waste treatment:	0
Total transferred off site for treatment:	0
Off-site - transfer to waste broker:	0
Total transferred off site for further waste management:	0
Total POTW transfer:	0
Energy recovery on site current year:	0
Recycled on site current year:	0
Treated on site current year:	1000
Total on-site waste management:	1000
On-site energy recovery method 1:	Not Applicable
On-site energy recovery method 2:	Not reported
On-site energy recovery method 3:	Not Applicable
On-site energy recovery method 4:	Not reported
On-site recycling processes method 1:	Not Applicable
On-site recycling processes method 2:	Not reported
On-site recycling processes method 3:	Not reported
On-site recycling processes method 4:	Not reported
On-site recycling processes method 5:	Not reported
On-site recycling processes method 6:	Not reported
On-site recycling processes method 7:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

FRS Facility ID:		110038102969
Elemental Metal Included:		NO
Waste Rock Pile managed Indicator:		0
Waste Rock Quantity:		Not reported
Off Site - POTW Releases 81C:		0
Off Site - POTW Releases 81D:		0
Chemical Activities and Uses:		
Cas number:		000074851
Document control number:		1318217363492
Chemical name:	ETHYLENE	
Classification:		TRI
Unit of measure:		Pounds
Produce the chemical:		Yes
Import the chemical:		No
On-site use of the chemical:		Yes
Sale or distribution of the chemical:		No
As a byproduct:		No
As a manufactured impurity:		No
Used as a reactant:		No
P101 feedstocks:		No
P102 raw materials:		No
P103 intermediates:		No
P104 initiators:		No
P199 other:		No
Added as a formulation component:		No
P201 additives:		No
P202 dyes:		No
P203 reaction diluents:		No
P204 initiators:		No
P205 solvents:		No
P206 inhibitors:		No
P207 emulsifiers:		No
P208 surfactants:		No
P209 lubricants:		No
P210 flame retardants:		No
P211 rheological modifiers:		No
P299 other:		No
Used as an article component:		No
Repackaging:		No
As a process impurity:		No
Processed / recycling:		No
Used as a chemical processing aid:		No
Z101 process solvents:		No
Z102 catalysts:		No
Z103 inhibitors:		No
Z104 initiators:		No
Z105 reaction terminators:		No
Z106 solution buffers:		No
Z199 other:		No
Used as a manufacturing aid:		No
Z201 process lubricants:		No
Z202 metalworking fluids:		No
Z203 coolants:		No
Z204 refrigerants:		No
Z205 hydraulic fluids:		No
Z299 other:		No
Ancillary or other use:		Yes

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Z301 cleaner:	No
Z302 degreaser:	No
Z303 lubricant:	No
Z304 fuel:	No
Z305 flame retardant:	No
Z306 waste treatment:	No
Z307 water treatment:	No
Z308 construction materials:	No
Z399 other:	No

Submitted Facility Name:	PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT
Submitted Street:	1520 E SEPULVEDA BLVD
Submitted City:	CARSON
Submitted County:	LOS ANGELES
Submitted State:	CA
Submitted Zip Code:	90745
Submitted BIA Code:	Not reported
Submitted Tribe Name:	Not reported
Submitted Parent Company Name:	PHILLIPS 66 CO
Submitted Parent Company DB Number:	078378508
Submitted Standardized Parent Company Name:	PHILLIPS 66
Submitted Primary NAICS Code:	324110
Submitted Industry Code:	324
Submitted Industry Name:	Petroleum
Industry Code:	324
Industry Name:	Petroleum
Last year the facility reported:	2019
First year the facility reported:	1991
Number of forms submitted:	24
Total number of forms submitted:	667 20200808

Detailed Source Reduction Activities and Methods:

Cas number:	000074851
Document control number:	1318217363492
Chemical name: ETHYLENE	
Classification:	TRI
Unit of measure:	Pounds
On-site limited releases - prior year:	0
On-site limited releases - current year:	0
On-site limited releases - following year:	0
On-site limited releases - 2nd-following year:	0
Other on-site releases - prior year:	440
Other on-site releases - current year:	310
Other on-site releases - following year:	310
Other on-site releases - 2nd-following year:	310
Off-site limited releases - prior year:	0
Off-site limited releases - current year:	0
Off-site limited releases - following year:	0
Off-site limited releases - 2nd-following year:	0
Other off-site releases - previous year:	0
Other off-site releases - current year:	0
Other off-site releases - following year:	0
Other off-site releases - 2nd-following year:	0
Energy recovery on site prior year:	0
Energy recovery on site current year:	0
Energy recovery on site following year:	0
Energy recovery on site 2nd-following year:	0

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Energy recovery off site prior year:	0
Energy recovery off site current year:	0
Energy recovery off site following year:	0
Energy recovery off site 2nd-following year:	0
Quantity recycled on site prior year:	0
Quantity recycled on site current year:	0
Quantity recycled on site following year:	0
Quantity recycled on site 2nd-following year:	0
Quantity recycled off site prior year:	0
Quantity recycled off site current year:	0
Quantity recycled off site following year:	0
Quantity recycled off site 2nd-following year:	0
Quantity treated on site prior year:	860
Quantity treated on site current year:	1000
Quantity treated on site following year:	1000
Quantity treated on site 2nd-following year:	1000
Quantity treated off site prior year:	0
Quantity treated off site current year:	0
Quantity treated off site following year:	0
Quantity treated off site 2nd-following year:	0
Catastrophic releases or other one-time events:	Not reported
Prod ratio/activity index:	1
Prod ratio or activity:	PRODUCTION
1st SR reduction activity:	NA-NA
1st SR activity ID meth code and desc 1:	Not reported
1st SR activity ID meth code and desc 2:	Not reported
1st SR activity ID meth code and desc 3:	Not reported
EST Ann REDN 1st source REDN act code and desc:	Not reported
2nd SR activity code and desc:	Not reported
2nd SR activity ID meth code and desc 1:	Not reported
2nd SR activity ID meth code and desc 2:	Not reported
2nd SR activity ID meth code and desc 3:	Not reported
EST Ann REDN 2nd source REDN act code and desc:	Not reported
3rd SR activity code and desc:	Not reported
3rd SR activity ID meth code and desc 1:	Not reported
3rd SR activity ID meth code and desc 2:	Not reported
3rd SR activity ID meth code and desc 3:	Not reported
EST Ann REDN 3rd source REDN act code and desc:	Not reported
4th SR activity code and desc:	Not reported
4th SR activity ID meth code and desc 1:	Not reported
4th SR activity ID meth code and desc 2:	Not reported
4th SR activity ID meth code and desc 3:	Not reported
EST Ann REDN 4th source REDN act code and desc:	Not reported

Detailed On-site Waste Treatment Methods and Efficiency:

Cas number:	000074851
Document control number:	1318217363492
Chemical name: ETHYLENE	
Classification:	TRI
Unit of measure:	Pounds
Stream 1 - waste stream code:	Gaseous (gases, vapors, airborne particulates)
Stream 1 - trtmt method - sequence 1:	Flare
Stream 1 - trtmt method - sequence 2:	Not reported
Stream 1 - trtmt method - sequence 3:	Not reported
Stream 1 - trtmt method - sequence 4:	Not reported
Stream 1 - trtmt method - sequence 5:	Not reported
Stream 1 - trtmt method - sequence 6:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Stream 1 - trtmt method - sequence 7:	Not reported
Stream 1 - trtmt method - sequence 8:	Not reported
Stream 1 - based on operating data:	NO
Stream 2 - waste stream code:	Not reported
Stream 2 - trtmt method - sequence 1:	Not reported
Stream 2 - trtmt method - sequence 2:	Not reported
Stream 2 - trtmt method - sequence 3:	Not reported
Stream 2 - trtmt method - sequence 4:	Not reported
Stream 2 - trtmt method - sequence 5:	Not reported
Stream 2 - trtmt method - sequence 6:	Not reported
Stream 2 - trtmt method - sequence 7:	Not reported
Stream 2 - trtmt method - sequence 8:	Not reported
Stream 2 - based on operating data:	Not reported
Stream 3 - waste stream code:	Not reported
Stream 3 - trtmt method - sequence 1:	Not reported
Stream 3 - trtmt method - sequence 2:	Not reported
Stream 3 - trtmt method - sequence 3:	Not reported
Stream 3 - trtmt method - sequence 4:	Not reported
Stream 3 - trtmt method - sequence 5:	Not reported
Stream 3 - trtmt method - sequence 6:	Not reported
Stream 3 - trtmt method - sequence 7:	Not reported
Stream 3 - trtmt method - sequence 8:	Not reported
Stream 3 - based on operating data:	Not reported
Stream 4 - waste stream code:	Not reported
Stream 4 - trtmt method - sequence 1:	Not reported
Stream 4 - trtmt method - sequence 2:	Not reported
Stream 4 - trtmt method - sequence 3:	Not reported
Stream 4 - trtmt method - sequence 4:	Not reported
Stream 4 - trtmt method - sequence 5:	Not reported
Stream 4 - trtmt method - sequence 6:	Not reported
Stream 4 - trtmt method - sequence 7:	Not reported
Stream 4 - trtmt method - sequence 8:	Not reported
Stream 4 - based on operating data:	Not reported
Stream 5 - waste stream code:	Not reported
Stream 5 - trtmt method - sequence 1:	Not reported
Stream 5 - trtmt method - sequence 2:	Not reported
Stream 5 - trtmt method - sequence 3:	Not reported
Stream 5 - trtmt method - sequence 4:	Not reported
Stream 5 - trtmt method - sequence 5:	Not reported
Stream 5 - trtmt method - sequence 6:	Not reported
Stream 5 - trtmt method - sequence 7:	Not reported
Stream 5 - trtmt method - sequence 8:	Not reported
Stream 5 - based on operating data:	Not reported

TRI ID:		90745NCLCR1520E
Cas number:		000091203
Chemical name:	NAPHTHALENE	
Classification:		TRI
Unit of measure:		Pounds
Metal ind:		NO
Revision code 1:		Not reported
Revision code 2:		Not reported
Maximum amount on site:		07
Fugitive air emissions - total release pounds:		140
Fugitive air emissions - total release range code:		Not reported
Total fugitive air emissions:		140

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Fugitive air emissions - basis of estimate:	Other
Stack air emissions - release pounds:	120
Stack air emissions - release range code:	Not reported
Total stack air emissions:	120
Stack air emissions - basis of estimate:	Other
Total air emissions:	260
Discharges to stream a - stream name:	NA
Total discharges to stream a:	0
Discharges to stream a - basis of estimate:	Not reported
Discharges to stream a - % from stormwater:	Not reported
Discharges to stream b - stream name:	Not reported
Total discharges to stream b:	Not reported
Discharges to stream b - basis of estimate:	Not reported
Discharges to stream b - % from stormwater:	Not reported
Discharges to stream c - stream name:	Not reported
Total discharges to stream c:	Not reported
Discharges to stream c - basis of estimate:	Not reported
Discharges to stream c - % from stormwater:	Not reported
Discharges to stream d - stream name:	Not reported
Total discharges to stream d:	Not reported
Discharges to stream d - basis of estimate:	Not reported
Discharges to stream d - % from stormwater:	Not reported
Discharges to stream e - stream name:	Not reported
Total discharges to stream e:	Not reported
Discharges to stream e - basis of estimate:	Not reported
Discharges to stream e - % from stormwater:	Not reported
Discharges to stream f - stream name:	Not reported
Total discharges to stream f:	Not reported
Discharges to stream f - basis of estimate:	Not reported
Discharges to stream f - % from stormwater:	Not reported
Discharges to stream g - stream name:	Not reported
Total discharges to stream g:	Not reported
Discharges to stream g - basis of estimate:	Not reported
Discharges to stream g - % from stormwater:	Not reported
Total number of receiving streams:	0
Total surface water discharge:	0
Total on-site underground inj - pounds:	Not reported
On-site underground inj - basis of estimate:	Not reported
Total on-site ugrnd inj to cl i wells - pounds:	0
On-site underground inj to c1 i wells - basis of estimate:	Not reported
Total on-site ugrnd inj to cl ii-v wells - pounds:	0
On-site ungrnd inj to cl ii-v wells - basis of estimate:	Not reported
Total on-site underground injection:	0
Total on-site landfills:	Not reported
On-site landfills - basis of estimate:	Not reported
Total on-site RCRA subtitle c landfills:	0
On-site RCRA subtitle c landfills - basis of estimate:	Not reported
Total other on-site landfills:	0
Other landfills - basis of estimate:	Not reported
Total on-site land treatment:	0
Land trtmt/appl farming - basis of estimate:	Not reported
Total surface impoundments:	Not reported
Surface impoundment - basis of estimate:	Not reported
Total RCRA c surface impoundments:	0
RCRA c Surface impoundment - basis of estimate:	Not reported
Total other surface impoundments:	0
Other surface impoundment - basis of estimate:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Total other disposal:	0
Other disposal - basis of estimate:	Other
Total on-site land releases:	0
Total on-site releases:	260
Off-site - POTW releases:	43
Off-site - storage only:	0
Off-site - solid/stab - metals:	0
Off-site - wastewater treatment release - metals:	0
Off-site - solid/stab - release - metals:	0
Off-site - wastewater treatment - metals:	0
Off-site - underground injection:	0
Off-site - underground injection - class 1 wells:	0
Off-site - underground injection - class ii-v wells:	0
Off-site - landfills/disposal surface impoundments:	0
Off-site - surface impoundment:	0
Off-site - RCRA subtitle c surface impoundments:	0
Off-site - other surface impoundments:	0
Off-site - other landfills:	0
Off-site - RCRA subtitle c landfills:	0
Off-site - disposal - land treatment:	0
Off-site - disposal - other land disposal:	0
Off-site - disposal - other off-site management:	0
Off-site - disposal - transfer to waste broker:	0
Off-site - disposal - unknown:	0
Total transferred off site for disposal:	43
Off-site - recycling - solvents/organics recovery:	0
Off-site - recycling -metals recovery:	0
Off-site - recycling - other reuse or recovery:	0
Off-site - recycling - acid regeneration:	0
Off-site - recycling - transfer to waste broker:	0
Total transferred off site for recycling:	0
Off-site - energy recovery:	0
Off-site - transfer to waste broker for energy recovery:	0
Total transferred off site for energy recovery:	0
Off-site - POTW treatment:	387
Off-site - solid/stab treatment - non metals:	0
Off-site -incineration/thermal treatment:	0
Off-site - incineration/insignificant heat value:	0
Off-site - wastewater treatment - non-metals:	0
Off-site - other waste treatment:	0
Off-site - transfer to waste broker - waste treatment:	0
Total transferred off site for treatment:	387
Off-site - transfer to waste broker:	0
Total transferred off site for further waste management:	387
Total POTW transfer:	430
Energy recovery on site current year:	0
Recycled on site current year:	0
Treated on site current year:	0
Total on-site waste management:	0
On-site energy recovery method 1:	Not Applicable
On-site energy recovery method 2:	Not reported
On-site energy recovery method 3:	Not Applicable
On-site energy recovery method 4:	Not reported
On-site recycling processes method 1:	Not Applicable
On-site recycling processes method 2:	Not reported
On-site recycling processes method 3:	Not reported
On-site recycling processes method 4:	Not reported

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On-site recycling processes method 5:	Not reported
On-site recycling processes method 6:	Not reported
On-site recycling processes method 7:	Not reported
FRS Facility ID:	110038102969
Elemental Metal Included:	NO
Waste Rock Pile managed Indicator:	0
Waste Rock Quantity:	Not reported
Off Site - POTW Releases 81C:	17.2
Off Site - POTW Releases 81D:	25.8

Chemical Activities and Uses:

Cas number:	000091203
Document control number:	1318217363555
Chemical name:	NAPHTHALENE
Classification:	TRI
Unit of measure:	Pounds
Produce the chemical:	Yes
Import the chemical:	Yes
On-site use of the chemical:	Yes
Sale or distribution of the chemical:	No
As a byproduct:	No
As a manufactured impurity:	No
Used as a reactant:	No
P101 feedstocks:	No
P102 raw materials:	No
P103 intermediates:	No
P104 initiators:	No
P199 other:	No
Added as a formulation component:	No
P201 additives:	No
P202 dyes:	No
P203 reaction diluents:	No
P204 initiators:	No
P205 solvents:	No
P206 inhibitors:	No
P207 emulsifiers:	No
P208 surfactants:	No
P209 lubricants:	No
P210 flame retardants:	No
P211 rheological modifiers:	No
P299 other:	No
Used as an article component:	No
Repackaging:	No
As a process impurity:	No
Processed / recycling:	No
Used as a chemical processing aid:	No
Z101 process solvents:	No
Z102 catalysts:	No
Z103 inhibitors:	No
Z104 initiators:	No
Z105 reaction terminators:	No
Z106 solution buffers:	No
Z199 other:	No
Used as a manufacturing aid:	No
Z201 process lubricants:	No
Z202 metalworking fluids:	No
Z203 coolants:	No
Z204 refrigerants:	No

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Z205 hydraulic fluids:	No
Z299 other:	No
Ancillary or other use:	Yes
Z301 cleaner:	No
Z302 degreaser:	No
Z303 lubricant:	No
Z304 fuel:	No
Z305 flame retardant:	No
Z306 waste treatment:	No
Z307 water treatment:	No
Z308 construction materials:	No
Z399 other:	No

Submitted Facility Name:	PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT
Submitted Street:	1520 E SEPULVEDA BLVD
Submitted City:	CARSON
Submitted County:	LOS ANGELES
Submitted State:	CA
Submitted Zip Code:	90745
Submitted BIA Code:	Not reported
Submitted Tribe Name:	Not reported
Submitted Parent Company Name:	PHILLIPS 66 CO
Submitted Parent Company DB Number:	078378508
Submitted Standardized Parent Company Name:	PHILLIPS 66
Submitted Primary NAICS Code:	324110
Submitted Industry Code:	324
Submitted Industry Name:	Petroleum
Industry Code:	324
Industry Name:	Petroleum
Last year the facility reported:	2019
First year the facility reported:	1991
Number of forms submitted:	24
Total number of forms submitted:	667 20200808

Detailed Source Reduction Activities and Methods:

Cas number:	000091203
Document control number:	1318217363555
Chemical name: NAPHTHALENE	
Classification:	TRI
Unit of measure:	Pounds
On-site limited releases - prior year:	0
On-site limited releases - current year:	0
On-site limited releases - following year:	0
On-site limited releases - 2nd-following year:	0
Other on-site releases - prior year:	260
Other on-site releases - current year:	260
Other on-site releases - following year:	260
Other on-site releases - 2nd-following year:	260
Off-site limited releases - prior year:	0
Off-site limited releases - current year:	17
Off-site limited releases - following year:	17
Off-site limited releases - 2nd-following year:	17
Other off-site releases - previous year:	0
Other off-site releases - current year:	26
Other off-site releases - following year:	26
Other off-site releases - 2nd-following year:	26
Energy recovery on site prior year:	0

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Energy recovery on site current year:	0
Energy recovery on site following year:	0
Energy recovery on site 2nd-following year:	0
Energy recovery off site prior year:	0
Energy recovery off site current year:	0
Energy recovery off site following year:	0
Energy recovery off site 2nd-following year:	0
Quantity recycled on site prior year:	0
Quantity recycled on site current year:	0
Quantity recycled on site following year:	0
Quantity recycled on site 2nd-following year:	0
Quantity recycled off site prior year:	0
Quantity recycled off site current year:	0
Quantity recycled off site following year:	0
Quantity recycled off site 2nd-following year:	0
Quantity treated on site prior year:	0
Quantity treated on site current year:	0
Quantity treated on site following year:	0
Quantity treated on site 2nd-following year:	0
Quantity treated off site prior year:	440
Quantity treated off site current year:	390
Quantity treated off site following year:	390
Quantity treated off site 2nd-following year:	390
Catastrophic releases or other one-time events:	Not reported
Prod ratio/activity index:	1
Prod ratio or activity:	PRODUCTION
1st SR reduction activity:	NA-NA
1st SR activity ID meth code and desc 1:	Not reported
1st SR activity ID meth code and desc 2:	Not reported
1st SR activity ID meth code and desc 3:	Not reported
EST Ann REDN 1st source REDN act code and desc:	Not reported
2nd SR activity code and desc:	Not reported
2nd SR activity ID meth code and desc 1:	Not reported
2nd SR activity ID meth code and desc 2:	Not reported
2nd SR activity ID meth code and desc 3:	Not reported
EST Ann REDN 2nd source REDN act code and desc:	Not reported
3rd SR activity code and desc:	Not reported
3rd SR activity ID meth code and desc 1:	Not reported
3rd SR activity ID meth code and desc 2:	Not reported
3rd SR activity ID meth code and desc 3:	Not reported
EST Ann REDN 3rd source REDN act code and desc:	Not reported
4th SR activity code and desc:	Not reported
4th SR activity ID meth code and desc 1:	Not reported
4th SR activity ID meth code and desc 2:	Not reported
4th SR activity ID meth code and desc 3:	Not reported
EST Ann REDN 4th source REDN act code and desc:	Not reported

Detailed On-site Waste Treatment Methods and Efficiency:

Cas number:	000091203
Document control number:	1318217363555
Chemical name: NAPHTHALENE	
Classification:	TRI
Unit of measure:	Pounds
Stream 1 - waste stream code:	NA
Stream 1 - trtmt method - sequence 1:	Not reported
Stream 1 - trtmt method - sequence 2:	Not reported
Stream 1 - trtmt method - sequence 3:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Stream 1 - trtmt method - sequence 4:	Not reported
Stream 1 - trtmt method - sequence 5:	Not reported
Stream 1 - trtmt method - sequence 6:	Not reported
Stream 1 - trtmt method - sequence 7:	Not reported
Stream 1 - trtmt method - sequence 8:	Not reported
Stream 1 - based on operating data:	Not reported
Stream 2 - waste stream code:	Not reported
Stream 2 - trtmt method - sequence 1:	Not reported
Stream 2 - trtmt method - sequence 2:	Not reported
Stream 2 - trtmt method - sequence 3:	Not reported
Stream 2 - trtmt method - sequence 4:	Not reported
Stream 2 - trtmt method - sequence 5:	Not reported
Stream 2 - trtmt method - sequence 6:	Not reported
Stream 2 - trtmt method - sequence 7:	Not reported
Stream 2 - trtmt method - sequence 8:	Not reported
Stream 2 - based on operating data:	Not reported
Stream 3 - waste stream code:	Not reported
Stream 3 - trtmt method - sequence 1:	Not reported
Stream 3 - trtmt method - sequence 2:	Not reported
Stream 3 - trtmt method - sequence 3:	Not reported
Stream 3 - trtmt method - sequence 4:	Not reported
Stream 3 - trtmt method - sequence 5:	Not reported
Stream 3 - trtmt method - sequence 6:	Not reported
Stream 3 - trtmt method - sequence 7:	Not reported
Stream 3 - trtmt method - sequence 8:	Not reported
Stream 3 - based on operating data:	Not reported
Stream 4 - waste stream code:	Not reported
Stream 4 - trtmt method - sequence 1:	Not reported
Stream 4 - trtmt method - sequence 2:	Not reported
Stream 4 - trtmt method - sequence 3:	Not reported
Stream 4 - trtmt method - sequence 4:	Not reported
Stream 4 - trtmt method - sequence 5:	Not reported
Stream 4 - trtmt method - sequence 6:	Not reported
Stream 4 - trtmt method - sequence 7:	Not reported
Stream 4 - trtmt method - sequence 8:	Not reported
Stream 4 - based on operating data:	Not reported
Stream 5 - waste stream code:	Not reported
Stream 5 - trtmt method - sequence 1:	Not reported
Stream 5 - trtmt method - sequence 2:	Not reported
Stream 5 - trtmt method - sequence 3:	Not reported
Stream 5 - trtmt method - sequence 4:	Not reported
Stream 5 - trtmt method - sequence 5:	Not reported
Stream 5 - trtmt method - sequence 6:	Not reported
Stream 5 - trtmt method - sequence 7:	Not reported
Stream 5 - trtmt method - sequence 8:	Not reported
Stream 5 - based on operating data:	Not reported

Details of Transfers to Publicly Owned Treatment Works:

Cas number:	000091203
Document control number:	1318217363555
Chemical name: NAPHTHALENE	
Classification:	TRI
Unit of measure:	Pounds
POTW name:	LOS ANGELES COUNTY SANITATION DISTRICT
POTW address:	24501 S FIGUEROA ST
POTW City,State,Zip:	CARSON, CA 90745
POTW county:	LOS ANGELES

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Quantity transferred:	430
Basis of estimate:	Not reported
Discharges to water streams:	0
Discharges to water streams - basis of estimate:	Not reported
Discharges to other activities:	0
Discharges to other activities - basis of estimate:	Not reported
Released to air:	0
Released to air - basis of estimate:	Not reported
Sludge to disposal:	17.2
Sludge to disposal - basis of estimate:	Published Emission Factors
Sludge to incineration - metals:	0
Sludge to incineration - metals - basis of estimate:	Not reported
Sludge to agricultural applications:	0
Sludge to agricultural applications - basis of estimate:	Not reported
Other or unknown disposal:	25.8
Other or unknown disposal - basis of estimate:	Published Emission Factors
Other or unknown treatment:	0
Other or unknown treatment - basis of estimate:	Not reported
Sludge to incineration - nonmetals:	0
Sludge to incineration - nonmetals - basis of estimate:	Not reported
Total treated:	387
POTW Registry ID:	Not reported
Off Site - POTW Releases 81C:	17.2
Off Site - POTW Releases 81D:	25.8
Off Site - POTW Releases:	43
Experimental and Est. Treatment:	387
Experimental and Est. Treatment - Basis of Est.:	E1

TRI ID:		90745NCLCR1520E
Cas number:		000100425
Chemical name:	STYRENE	
Classification:		TRI
Unit of measure:		Pounds
Metal ind:		NO
Revision code 1:		Not reported
Revision code 2:		Not reported
Maximum amount on site:		04
Fugitive air emissions - total release pounds:		9
Fugitive air emissions - total release range code:		Not reported
Total fugitive air emissions:		9
Fugitive air emissions - basis of estimate:		Other
Stack air emissions - release pounds:		0
Stack air emissions - release range code:		Not reported
Total stack air emissions:		0
Stack air emissions - basis of estimate:		Other
Total air emissions:		9
Discharges to stream a - stream name:		NA
Total discharges to stream a:		0
Discharges to stream a - basis of estimate:		Not reported
Discharges to stream a - % from stormwater:		Not reported
Discharges to stream b - stream name:		Not reported
Total discharges to stream b:		Not reported
Discharges to stream b - basis of estimate:		Not reported
Discharges to stream b - % from stormwater:		Not reported
Discharges to stream c - stream name:		Not reported
Total discharges to stream c:		Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Discharges to stream c - basis of estimate:	Not reported
Discharges to stream c - % from stormwater:	Not reported
Discharges to stream d - stream name:	Not reported
Total discharges to stream d:	Not reported
Discharges to stream d - basis of estimate:	Not reported
Discharges to stream d - % from stormwater:	Not reported
Discharges to stream e - stream name:	Not reported
Total discharges to stream e:	Not reported
Discharges to stream e - basis of estimate:	Not reported
Discharges to stream e - % from stormwater:	Not reported
Discharges to stream f - stream name:	Not reported
Total discharges to stream f:	Not reported
Discharges to stream f - basis of estimate:	Not reported
Discharges to stream f - % from stormwater:	Not reported
Discharges to stream g - stream name:	Not reported
Total discharges to stream g:	Not reported
Discharges to stream g - basis of estimate:	Not reported
Discharges to stream g - % from stormwater:	Not reported
Total number of receiving streams:	0
Total surface water discharge:	0
Total on-site underground inj - pounds:	Not reported
On-site underground inj - basis of estimate:	Not reported
Total on-site ugrnd inj to cl i wells - pounds:	0
On-site underground inj to c1 i wells - basis of estimate:	Not reported
Total on-site ugrnd inj to cl ii-v wells - pounds:	0
On-site ungrnd inj to cl ii-v wells - basis of estimate:	Not reported
Total on-site underground injection:	0
Total on-site landfills:	Not reported
On-site landfills - basis of estimate:	Not reported
Total on-site RCRA subtitle c landfills:	0
On-site RCRA subtitle c landfills - basis of estimate:	Not reported
Total other on-site landfills:	0
Other landfills - basis of estimate:	Not reported
Total on-site land treatment:	0
Land trtmt/appl farming - basis of estimate:	Not reported
Total surface impoundments:	Not reported
Surface impoundment - basis of estimate:	Not reported
Total RCRA c surface impoundments:	0
RCRA c Surface impoundment - basis of estimate:	Not reported
Total other surface impoundments:	0
Other surface impoundment - basis of estimate:	Not reported
Total other disposal:	0
Other disposal - basis of estimate:	Other
Total on-site land releases:	0
Total on-site releases:	9
Off-site - POTW releases:	2.47
Off-site - storage only:	0
Off-site - solid/stab - metals:	0
Off-site - wastewater treatment release - metals:	0
Off-site - solid/stab - release - metals:	0
Off-site - wastewater treatment - metals:	0
Off-site - underground injection:	0
Off-site - underground injection - class 1 wells:	0
Off-site - underground injection - class ii-v wells:	0
Off-site - landfills/disposal surface impoundments:	0
Off-site - surface impoundment:	0
Off-site - RCRA subtitle c surface impoundments:	0

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Off-site - other surface impoundments:	0
Off-site - other landfills:	0
Off-site - RCRA subtitle c landfills:	0
Off-site - disposal - land treatment:	0
Off-site - disposal - other land disposal:	0
Off-site - disposal - other off-site management:	0
Off-site - disposal - transfer to waste broker:	0
Off-site - disposal - unknown:	0
Total transferred off site for disposal:	2.47
Off-site - recycling - solvents/organics recovery:	0
Off-site - recycling -metals recovery:	0
Off-site - recycling - other reuse or recovery:	0
Off-site - recycling - acid regeneration:	0
Off-site - recycling - transfer to waste broker:	0
Total transferred off site for recycling:	0
Off-site - energy recovery:	0
Off-site - transfer to waste broker for energy recovery:	0
Total transferred off site for energy recovery:	0
Off-site - POTW treatment:	16.15
Off-site - solid/stab treatment - non metals:	0
Off-site -incineration/thermal treatment:	0
Off-site - incineration/insignificant heat value:	0
Off-site - wastewater treatment - non-metals:	0
Off-site - other waste treatment:	0
Off-site - transfer to waste broker - waste treatment:	0
Total transferred off site for treatment:	16.15
Off-site - transfer to waste broker:	0
Total transferred off site for further waste management:	15.827
Total POTW transfer:	18.62
Energy recovery on site current year:	0
Recycled on site current year:	0
Treated on site current year:	0
Total on-site waste management:	0
On-site energy recovery method 1:	Not Applicable
On-site energy recovery method 2:	Not reported
On-site energy recovery method 3:	Not Applicable
On-site energy recovery method 4:	Not reported
On-site recycling processes method 1:	Not Applicable
On-site recycling processes method 2:	Not reported
On-site recycling processes method 3:	Not reported
On-site recycling processes method 4:	Not reported
On-site recycling processes method 5:	Not reported
On-site recycling processes method 6:	Not reported
On-site recycling processes method 7:	Not reported
FRS Facility ID:	110038102969
Elemental Metal Included:	NO
Waste Rock Pile managed Indicator:	0
Waste Rock Quantity:	Not reported
Off Site - POTW Releases 81C:	0
Off Site - POTW Releases 81D:	2.47

Chemical Activities and Uses:

Cas number:		000100425
Document control number:		1318217363605
Chemical name:	STYRENE	
Classification:		TRI
Unit of measure:		Pounds
Produce the chemical:		Yes

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Import the chemical:	Yes
On-site use of the chemical:	No
Sale or distribution of the chemical:	No
As a byproduct:	No
As a manufactured impurity:	Yes
Used as a reactant:	No
P101 feedstocks:	No
P102 raw materials:	No
P103 intermediates:	No
P104 initiators:	No
P199 other:	No
Added as a formulation component:	No
P201 additives:	No
P202 dyes:	No
P203 reaction diluents:	No
P204 initiators:	No
P205 solvents:	No
P206 inhibitors:	No
P207 emulsifiers:	No
P208 surfactants:	No
P209 lubricants:	No
P210 flame retardants:	No
P211 rheological modifiers:	No
P299 other:	No
Used as an article component:	No
Repackaging:	No
As a process impurity:	Yes
Processed / recycling:	No
Used as a chemical processing aid:	No
Z101 process solvents:	No
Z102 catalysts:	No
Z103 inhibitors:	No
Z104 initiators:	No
Z105 reaction terminators:	No
Z106 solution buffers:	No
Z199 other:	No
Used as a manufacturing aid:	No
Z201 process lubricants:	No
Z202 metalworking fluids:	No
Z203 coolants:	No
Z204 refrigerants:	No
Z205 hydraulic fluids:	No
Z299 other:	No
Ancillary or other use:	No
Z301 cleaner:	No
Z302 degreaser:	No
Z303 lubricant:	No
Z304 fuel:	No
Z305 flame retardant:	No
Z306 waste treatment:	No
Z307 water treatment:	No
Z308 construction materials:	No
Z399 other:	No

Submitted Facility Name:	PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT
Submitted Street:	1520 E SEPULVEDA BLVD
Submitted City:	CARSON

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Submitted County:	LOS ANGELES
Submitted State:	CA
Submitted Zip Code:	90745
Submitted BIA Code:	Not reported
Submitted Tribe Name:	Not reported
Submitted Parent Company Name:	PHILLIPS 66 CO
Submitted Parent Company DB Number:	078378508
Submitted Standardized Parent Company Name:	PHILLIPS 66
Submitted Primary NAICS Code:	324110
Submitted Industry Code:	324
Submitted Industry Name:	Petroleum
Industry Code:	324
Industry Name:	Petroleum
Last year the facility reported:	2019
First year the facility reported:	1991
Number of forms submitted:	24
Total number of forms submitted:	667 20200808

Detailed Source Reduction Activities and Methods:

Cas number:	000100425
Document control number:	1318217363605
Chemical name: STYRENE	
Classification:	TRI
Unit of measure:	Pounds
On-site limited releases - prior year:	0
On-site limited releases - current year:	0
On-site limited releases - following year:	0
On-site limited releases - 2nd-following year:	0
Other on-site releases - prior year:	9
Other on-site releases - current year:	9
Other on-site releases - following year:	9
Other on-site releases - 2nd-following year:	9
Off-site limited releases - prior year:	0
Off-site limited releases - current year:	0
Off-site limited releases - following year:	0
Off-site limited releases - 2nd-following year:	0
Other off-site releases - previous year:	0
Other off-site releases - current year:	2
Other off-site releases - following year:	2
Other off-site releases - 2nd-following year:	2
Energy recovery on site prior year:	0
Energy recovery on site current year:	0
Energy recovery on site following year:	0
Energy recovery on site 2nd-following year:	0
Energy recovery off site prior year:	0
Energy recovery off site current year:	0
Energy recovery off site following year:	0
Energy recovery off site 2nd-following year:	0
Quantity recycled on site prior year:	0
Quantity recycled on site current year:	0
Quantity recycled on site following year:	0
Quantity recycled on site 2nd-following year:	0
Quantity recycled off site prior year:	0
Quantity recycled off site current year:	0
Quantity recycled off site following year:	0
Quantity recycled off site 2nd-following year:	0
Quantity treated on site prior year:	0

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Quantity treated on site current year:	0
Quantity treated on site following year:	0
Quantity treated on site 2nd-following year:	0
Quantity treated off site prior year:	26
Quantity treated off site current year:	16
Quantity treated off site following year:	16
Quantity treated off site 2nd-following year:	16
Catastrophic releases or other one-time events:	Not reported
Prod ratio/activity index:	1
Prod ratio or activity:	PRODUCTION
1st SR reduction activity:	NA-NA
1st SR activity ID meth code and desc 1:	Not reported
1st SR activity ID meth code and desc 2:	Not reported
1st SR activity ID meth code and desc 3:	Not reported
EST Ann REDN 1st source REDN act code and desc:	Not reported
2nd SR activity code and desc:	Not reported
2nd SR activity ID meth code and desc 1:	Not reported
2nd SR activity ID meth code and desc 2:	Not reported
2nd SR activity ID meth code and desc 3:	Not reported
EST Ann REDN 2nd source REDN act code and desc:	Not reported
3rd SR activity code and desc:	Not reported
3rd SR activity ID meth code and desc 1:	Not reported
3rd SR activity ID meth code and desc 2:	Not reported
3rd SR activity ID meth code and desc 3:	Not reported
EST Ann REDN 3rd source REDN act code and desc:	Not reported
4th SR activity code and desc:	Not reported
4th SR activity ID meth code and desc 1:	Not reported
4th SR activity ID meth code and desc 2:	Not reported
4th SR activity ID meth code and desc 3:	Not reported
EST Ann REDN 4th source REDN act code and desc:	Not reported

Detailed On-site Waste Treatment Methods and Efficiency:

Cas number:	000100425
Document control number:	1318217363605
Chemical name: STYRENE	
Classification:	TRI
Unit of measure:	Pounds
Stream 1 - waste stream code:	NA
Stream 1 - trtmt method - sequence 1:	Not reported
Stream 1 - trtmt method - sequence 2:	Not reported
Stream 1 - trtmt method - sequence 3:	Not reported
Stream 1 - trtmt method - sequence 4:	Not reported
Stream 1 - trtmt method - sequence 5:	Not reported
Stream 1 - trtmt method - sequence 6:	Not reported
Stream 1 - trtmt method - sequence 7:	Not reported
Stream 1 - trtmt method - sequence 8:	Not reported
Stream 1 - based on operating data:	Not reported
Stream 2 - waste stream code:	Not reported
Stream 2 - trtmt method - sequence 1:	Not reported
Stream 2 - trtmt method - sequence 2:	Not reported
Stream 2 - trtmt method - sequence 3:	Not reported
Stream 2 - trtmt method - sequence 4:	Not reported
Stream 2 - trtmt method - sequence 5:	Not reported
Stream 2 - trtmt method - sequence 6:	Not reported
Stream 2 - trtmt method - sequence 7:	Not reported
Stream 2 - trtmt method - sequence 8:	Not reported
Stream 2 - based on operating data:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Stream 3 - waste stream code:	Not reported
Stream 3 - trtmt method - sequence 1:	Not reported
Stream 3 - trtmt method - sequence 2:	Not reported
Stream 3 - trtmt method - sequence 3:	Not reported
Stream 3 - trtmt method - sequence 4:	Not reported
Stream 3 - trtmt method - sequence 5:	Not reported
Stream 3 - trtmt method - sequence 6:	Not reported
Stream 3 - trtmt method - sequence 7:	Not reported
Stream 3 - trtmt method - sequence 8:	Not reported
Stream 3 - based on operating data:	Not reported
Stream 4 - waste stream code:	Not reported
Stream 4 - trtmt method - sequence 1:	Not reported
Stream 4 - trtmt method - sequence 2:	Not reported
Stream 4 - trtmt method - sequence 3:	Not reported
Stream 4 - trtmt method - sequence 4:	Not reported
Stream 4 - trtmt method - sequence 5:	Not reported
Stream 4 - trtmt method - sequence 6:	Not reported
Stream 4 - trtmt method - sequence 7:	Not reported
Stream 4 - trtmt method - sequence 8:	Not reported
Stream 4 - based on operating data:	Not reported
Stream 5 - waste stream code:	Not reported
Stream 5 - trtmt method - sequence 1:	Not reported
Stream 5 - trtmt method - sequence 2:	Not reported
Stream 5 - trtmt method - sequence 3:	Not reported
Stream 5 - trtmt method - sequence 4:	Not reported
Stream 5 - trtmt method - sequence 5:	Not reported
Stream 5 - trtmt method - sequence 6:	Not reported
Stream 5 - trtmt method - sequence 7:	Not reported
Stream 5 - trtmt method - sequence 8:	Not reported
Stream 5 - based on operating data:	Not reported

Details of Transfers to Publicly Owned Treatment Works:

Cas number:	000100425
Document control number:	1318217363605
Chemical name: STYRENE	
Classification:	TRI
Unit of measure:	Pounds
POTW name:	LOS ANGELES COUNTY SANITATION DISTRICT
POTW address:	24501 S FIGUEROA ST
POTW City,State,Zip:	CARSON, CA 90745
POTW county:	LOS ANGELES
Quantity transferred:	18.62
Basis of estimate:	Not reported
Discharges to water streams:	0
Discharges to water streams - basis of estimate:	Not reported
Discharges to other activities:	0
Discharges to other activities - basis of estimate:	Not reported
Released to air:	0
Released to air - basis of estimate:	Not reported
Sludge to disposal:	0
Sludge to disposal - basis of estimate:	Published Emission Factors
Sludge to incineration - metals:	0
Sludge to incineration - metals - basis of estimate:	Not reported
Sludge to agricultural applications:	0
Sludge to agricultural applications - basis of estimate:	Not reported
Other or unknown disposal:	2.47
Other or unknown disposal - basis of estimate:	Published Emission Factors

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Other or unknown treatment:	0
Other or unknown treatment - basis of estimate:	Not reported
Sludge to incineration - nonmetals:	0
Sludge to incineration - nonmetals - basis of estimate:	Not reported
Total treated:	16.15
POTW Registry ID:	Not reported
Off Site - POTW Releases 81C:	0
Off Site - POTW Releases 81D:	2.47
Off Site - POTW Releases:	2.47
Experimental and Est. Treatment:	16.15
Experimental and Est. Treatment - Basis of Est.:	E1

Click this hyperlink while viewing on your computer to access
1 additional US TRIS: record(s) in the EDR Site Report.

EMI:

Name:	UNOCAL REFINERY & MARKETING CO
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
Year:	1995
County Code:	19
Air Basin:	SC
Facility ID:	800319
Air District Name:	SC
SIC Code:	2911
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	302
Reactive Organic Gases Tons/Yr:	250
Carbon Monoxide Emissions Tons/Yr:	61
NOX - Oxides of Nitrogen Tons/Yr:	522
SOX - Oxides of Sulphur Tons/Yr:	149
Particulate Matter Tons/Yr:	174
Part. Matter 10 Micrometers and Smllr Tons/Yr:	136

Name:	UNOCAL REFINERY & MARKETING CO
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
Year:	1996
County Code:	19
Air Basin:	SC
Facility ID:	800319
Air District Name:	SC
SIC Code:	2911
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	140
Reactive Organic Gases Tons/Yr:	117
Carbon Monoxide Emissions Tons/Yr:	336
NOX - Oxides of Nitrogen Tons/Yr:	789
SOX - Oxides of Sulphur Tons/Yr:	343
Particulate Matter Tons/Yr:	183
Part. Matter 10 Micrometers and Smllr Tons/Yr:	137

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Name:	TOSCO REFINING COMPANY
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
Year:	1997
County Code:	19
Air Basin:	SC
Facility ID:	800362
Air District Name:	SC
SIC Code:	2911
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	347
Reactive Organic Gases Tons/Yr:	263
Carbon Monoxide Emissions Tons/Yr:	271
NOX - Oxides of Nitrogen Tons/Yr:	822
SOX - Oxides of Sulphur Tons/Yr:	587
Particulate Matter Tons/Yr:	134
Part. Matter 10 Micrometers and Smllr Tons/Yr:	103

Name:	TOSCO REFINING COMPANY
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
Year:	1998
County Code:	19
Air Basin:	SC
Facility ID:	800362
Air District Name:	SC
SIC Code:	2911
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	328
Reactive Organic Gases Tons/Yr:	247
Carbon Monoxide Emissions Tons/Yr:	271
NOX - Oxides of Nitrogen Tons/Yr:	207
SOX - Oxides of Sulphur Tons/Yr:	310
Particulate Matter Tons/Yr:	134
Part. Matter 10 Micrometers and Smllr Tons/Yr:	103

Name:	TOSCO REFINING COMPANY
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
Year:	1999
County Code:	19
Air Basin:	SC
Facility ID:	800362
Air District Name:	SC
SIC Code:	2911
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	347
Reactive Organic Gases Tons/Yr:	263
Carbon Monoxide Emissions Tons/Yr:	271
NOX - Oxides of Nitrogen Tons/Yr:	822
SOX - Oxides of Sulphur Tons/Yr:	587

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Particulate Matter Tons/Yr: 134
Part. Matter 10 Micrometers and Smllr Tons/Yr: 103

Name: TOSCO REFINING COMPANY
Address: 1520 E SEPULVEDA BLVD
City,State,Zip: CARSON, CA 90745
Year: 2000
County Code: 19
Air Basin: SC
Facility ID: 800362
Air District Name: SC
SIC Code: 2911
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 347
Reactive Organic Gases Tons/Yr: 263
Carbon Monoxide Emissions Tons/Yr: 271
NOX - Oxides of Nitrogen Tons/Yr: 822
SOX - Oxides of Sulphur Tons/Yr: 587
Particulate Matter Tons/Yr: 134
Part. Matter 10 Micrometers and Smllr Tons/Yr: 103

Name: TOSCO REFINING COMPANY
Address: 1520 E SEPULVEDA BLVD
City,State,Zip: CARSON, CA 90745
Year: 2001
County Code: 19
Air Basin: SC
Facility ID: 800362
Air District Name: SC
SIC Code: 2911
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Y
Consolidated Emission Reporting Rule: B
Total Organic Hydrocarbon Gases Tons/Yr: 182
Reactive Organic Gases Tons/Yr: 133
Carbon Monoxide Emissions Tons/Yr: 416
NOX - Oxides of Nitrogen Tons/Yr: 462
SOX - Oxides of Sulphur Tons/Yr: 773
Particulate Matter Tons/Yr: 52
Part. Matter 10 Micrometers and Smllr Tons/Yr: 40

Name: CONOCOPHILLIPS COMPANY
Address: 1520 E SEPULVEDA BLVD
City,State,Zip: CARSON, CA 90745
Year: 2002
County Code: 19
Air Basin: SC
Facility ID: 800362
Air District Name: SC
SIC Code: 2911
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 189
Reactive Organic Gases Tons/Yr: 133

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Carbon Monoxide Emissions Tons/Yr:	493
NOX - Oxides of Nitrogen Tons/Yr:	367
SOX - Oxides of Sulphur Tons/Yr:	597
Particulate Matter Tons/Yr:	47
Part. Matter 10 Micrometers and Smllr Tons/Yr:	43

Name:	CONOCOPHILLIPS COMPANY
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
Year:	2003
County Code:	19
Air Basin:	SC
Facility ID:	800362
Air District Name:	SC
SIC Code:	2911
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	189
Reactive Organic Gases Tons/Yr:	133
Carbon Monoxide Emissions Tons/Yr:	493
NOX - Oxides of Nitrogen Tons/Yr:	367
SOX - Oxides of Sulphur Tons/Yr:	597
Particulate Matter Tons/Yr:	47
Part. Matter 10 Micrometers and Smllr Tons/Yr:	43

Name:	CONOCOPHILLIPS COMPANY
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
Year:	2004
County Code:	19
Air Basin:	SC
Facility ID:	800362
Air District Name:	SC
SIC Code:	2911
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	189.45227
Reactive Organic Gases Tons/Yr:	136.78
Carbon Monoxide Emissions Tons/Yr:	493.4898
NOX - Oxides of Nitrogen Tons/Yr:	366.6611
SOX - Oxides of Sulphur Tons/Yr:	596.78713
Particulate Matter Tons/Yr:	46.76459807
Part. Matter 10 Micrometers and Smllr Tons/Yr:	42.85

Name:	CONOCOPHILLIPS COMPANY
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
Year:	2005
County Code:	19
Air Basin:	SC
Facility ID:	800362
Air District Name:	SC
SIC Code:	2911
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	128.166855
Reactive Organic Gases Tons/Yr:	94.439378078
Carbon Monoxide Emissions Tons/Yr:	473.7925
NOX - Oxides of Nitrogen Tons/Yr:	367.994
SOX - Oxides of Sulphur Tons/Yr:	202.14671
Particulate Matter Tons/Yr:	44.937585
Part. Matter 10 Micrometers and Smllr Tons/Yr:	41.1433707665

Name:	CONOCOPHILLIPS COMPANY
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
Year:	2006
County Code:	19
Air Basin:	SC
Facility ID:	800362
Air District Name:	SC
SIC Code:	2911
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	177.9220019818509536
Reactive Organic Gases Tons/Yr:	122.517
Carbon Monoxide Emissions Tons/Yr:	448.175
NOX - Oxides of Nitrogen Tons/Yr:	342.632
SOX - Oxides of Sulphur Tons/Yr:	283.808
Particulate Matter Tons/Yr:	64.298
Part. Matter 10 Micrometers and Smllr Tons/Yr:	54.29174

Name:	CONOCOPHILLIPS COMPANY
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
Year:	2007
County Code:	19
Air Basin:	SC
Facility ID:	800362
Air District Name:	SC
SIC Code:	2911
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	177.9087116698435207
Reactive Organic Gases Tons/Yr:	122.517
Carbon Monoxide Emissions Tons/Yr:	448.175
NOX - Oxides of Nitrogen Tons/Yr:	342.632
SOX - Oxides of Sulphur Tons/Yr:	283.808
Particulate Matter Tons/Yr:	64.298
Part. Matter 10 Micrometers and Smllr Tons/Yr:	54.29174

Name:	CONOCOPHILLIPS COMPANY
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
Year:	2008
County Code:	19
Air Basin:	SC
Facility ID:	800362
Air District Name:	SC

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

SIC Code:	2911
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	164.7654795445258710
Reactive Organic Gases Tons/Yr:	111.7531588582485
Carbon Monoxide Emissions Tons/Yr:	314.640145
NOX - Oxides of Nitrogen Tons/Yr:	329.5189439695073013
SOX - Oxides of Sulphur Tons/Yr:	305.3523348461076509
Particulate Matter Tons/Yr:	59.51792317
Part. Matter 10 Micrometers and Smllr Tons/Yr:	52.472358054081

Name:	TOSCO REFINING COMPANY
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
Year:	2009
County Code:	19
Air Basin:	SC
Facility ID:	800362
Air District Name:	SC
SIC Code:	2911
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	175.949098567562
Reactive Organic Gases Tons/Yr:	108.418685
Carbon Monoxide Emissions Tons/Yr:	275.04459000000003
NOX - Oxides of Nitrogen Tons/Yr:	342.42585000000003
SOX - Oxides of Sulphur Tons/Yr:	309.57515999999998
Particulate Matter Tons/Yr:	60.309235200000003
Part. Matter 10 Micrometers and Smllr Tons/Yr:	52.241691890360002

Name:	TOSCO REFINING COMPANY
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
Year:	2010
County Code:	19
Air Basin:	SC
Facility ID:	800362
Air District Name:	SC
SIC Code:	2911
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	141.57311537858001
Reactive Organic Gases Tons/Yr:	100.739358890689
Carbon Monoxide Emissions Tons/Yr:	268.84510000001501
NOX - Oxides of Nitrogen Tons/Yr:	330.59667000003299
SOX - Oxides of Sulphur Tons/Yr:	294.57694000003102
Particulate Matter Tons/Yr:	56.095990000015
Part. Matter 10 Micrometers and Smllr Tons/Yr:	48.2493827430146

Name:	TOSCO REFINING COMPANY
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
Year:	2011
County Code:	19

PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Air Basin:	SC
Facility ID:	800362
Air District Name:	SC
SIC Code:	2911
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	127.67530642
Reactive Organic Gases Tons/Yr:	91.247030547
Carbon Monoxide Emissions Tons/Yr:	269.79866
NOX - Oxides of Nitrogen Tons/Yr:	331.37327
SOX - Oxides of Sulphur Tons/Yr:	286.95819
Particulate Matter Tons/Yr:	63.536535698
Part. Matter 10 Micrometers and Smllr Tons/Yr:	55.281944186

LOS ANGELES CO. HMS:

Name:	UNOCAL CORP CARSON PLANT
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 907456140
Region:	LA
Permit Category:	T
Facility Id:	015393-016650
Facility Type:	0
Facility Status:	Closed
Area:	22
Permit Number:	00006226T
Permit Status:	Closed

Name:	TOSCO LOS ANGELES REFINERY
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 907456140
Region:	LA
Permit Category:	T
Facility Id:	015393-025493
Facility Type:	0
Facility Status:	Permit
Area:	22
Permit Number:	000207380
Permit Status:	Permit

Name:	CARSON LUBRICANTS PLANT
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 907456140
Region:	LA
Permit Category:	T
Facility Id:	000313-025993
Facility Type:	0
Facility Status:	Closed
Area:	22
Permit Number:	000240921
Permit Status:	Closed

L63 **PHILLIPS 66 COMPANY, CARSON PLANT** **ENVIROSTOR** **S103963019**
SW **1520 E SEPULVEDA BLVD** **CPS-SLIC** **N/A**
1/2-1 **CARSON, CA 90745** **CERS HAZ WASTE**
0.794 mi. **CERS TANKS**
4194 ft. **Site 3 of 3 in cluster L** **CHMIRS**
EMI
Relative: Higher **ENF**
LOS ANGELES CO. HMS
Actual: 39 ft. **NPDES**
CIWQS
CERS

ENVIROSTOR:

Name:	CONOCOPHILLIPS LARC
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 907450000
Facility ID:	80001752
Status:	Refer: RWQCB
Status Date:	01/01/2008
Site Code:	400277
Site Type:	Corrective Action
Site Type Detailed:	Corrective Action
Acres:	0
NPL:	NO
Regulatory Agencies:	RWQCB 4 - Los Angeles
Lead Agency:	RWQCB 4 - Los Angeles
Program Manager:	Not reported
Supervisor:	* Unknown
Division Branch:	Cleanup Chatsworth
Assembly:	64
Senate:	35
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.80400
Longitude:	-118.2436
APN:	7315002021
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	7315002021
Alias Type:	APN
Alias Name:	CAD980881676
Alias Type:	EPA Identification Number
Alias Name:	110000476128
Alias Type:	EPA (FRS #)
Alias Name:	400277
Alias Type:	Project Code (Site Code)
Alias Name:	80001752
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	RCRA Facility Assessment Report
Completed Date:	07/10/1992
Comments:	Not reported

PHILLIPS 66 COMPANY, CARSON PLANT (Continued) **S103963019**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Questionnaire
Completed Date: 10/03/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 06/24/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Questionnaire
Completed Date: 01/14/1993
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: GROUND WATER
Completed Document Type: Consent Agreement
Completed Date: 09/30/1988
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Historical Operating Permit Authority
Completed Date: 01/27/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Historical Operating Permit Authority
Completed Date: 03/19/1993
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled
Completed Date: 03/09/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Human Exposure Controlled
Completed Date: 03/09/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Human Exposure Controlled
Completed Date: 09/27/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report

PHILLIPS 66 COMPANY, CARSON PLANT (Continued) **S103963019**

Completed Date: 12/29/1988
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: GROUND WATER
Completed Document Type: RFI Report
Completed Date: 09/01/1994
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: GROUND WATER
Completed Document Type: RFI Workplan
Completed Date: 09/01/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 01/28/1991
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: GROUND WATER
Completed Document Type: Interim Measures Implementation Report
Completed Date: 09/01/1994
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: GROUND WATER
Completed Document Type: Interim Measures Workplan
Completed Date: 09/30/1988
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled
Completed Date: 09/29/2020
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

CPS-SLIC:
Name: UNOCAL - TOSCO LOS ANGELES REFINERY, CARSON
Address: 1520 E. SEPULVEDA BLVD
City,State,Zip: CARSON, CA
Region: STATE
Facility Status: **Open - Assessment & Interim Remedial Action**
Status Date: 06/22/2020
Global Id: SL372402433

PHILLIPS 66 COMPANY, CARSON PLANT (Continued) **S103963019**

Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	33.8044499633375
Longitude:	-118.247727468292
Case Type:	Cleanup Program Site
Case Worker:	JYL
Local Agency:	Not reported
RB Case Number:	0232
File Location:	Regional Board
Potential Media Affected:	Aquifer used for drinking water supply, Other Groundwater (uses other than drinking water), Soil
Potential Contaminants of Concern:	Benzene, Crude Oil, Diesel, Ethylbenzene, Gasoline, MTBE / TBA / Other Fuel Oxygenates, Naphthalene, Other Petroleum, Toluene, Total Petroleum Hydrocarbons (TPH), Xylene
Site History:	ConocoPhillips Company operates the ConocoPhillips Los Angeles Refinery (LAR) which consists of two plants located in Carson and Wilmington, California. The Carson Plant is a 245-acre site located at 1520 E. Sepulveda Boulevard, Carson, California. These two plants have been connected by pipelines since December 1991 and together provide complete refinery facilities. The Carson Plant is a crude-oil refining, processing, and storage facility. The Carson Plant was constructed in 1923 by Shell Oil Company. It was modernized and expanded in 1980s. Currently the Plant has a processing capacity of 132,000 barrels of crude oil per day. The facility performs crude oil fractionation and heavy-end refining. The unfinished intermediate petroleum products are then piped to the Wilmington Plant for conversion to finished products. The Discharger has released wastes, among which petroleum hydrocarbons are the principal contaminants of concern, to underlying soil and groundwater. On-site evidence of these wastes includes vapor phase contaminants in soil, solid phase contaminants in soil, non-aqueous phase liquids (NAPL) above and below the water table, and dissolved phase contaminants in groundwater. Since 1985, the refinery has been under numerous directives, issued by the Water Board under authority in sections 13304 and 13267 of the California Water Code, to investigate and cleanup releases of wastes. On September 3, 2003, representatives of refineries in Carson area met with USEPA staff to dicuss the presence of chemicals of concern (di-isopropyl ether [DIPE], methyl tert-butyl ether [MTBE] and tert-butyl alcohol [TBA] in groundwater underlying these facilities. Since 2003, COP has been working with RWQCB on phased program for oxygenates assessment. COP completed LNAPL Investigation in 2008, installed cluster Gage Aquifer groundwater monitoring wells in 2009. Phase 3 data package was submitted in March 2009. COP is in progress to finalize a site conceptual model for LARC in the first quarter of 2011. The 245-acre Phillips 66 Los Angeles Refinery (LAR) has been in operation since 1923. The LAR is a crude oil refining, processing, and storage facility. There are other facilities with similar operations located in Carson, California. The LAR is bordered by Tesoro Los Angeles Refinery, Carson (Tesoro Carson), Tesoro Los Angeles Refinery, Wilmington (Tesoro Wilmington), and Kinder Morgan Carson Terminal (Kinder Morgan). The LAR is located in the West Coast Basin of the Los Angeles County Coastal Plain. The uppermost groundwater occurs in the Water Table Aquifer of the Bellflower Aquiclude at depths ranging from 35 feet to 59 feet below ground surface (bgs). Other aquifers beneath the Bellflower Aquiclude in descending order are the Gage Aquifer, Lynwood Aquifer and Silverado Aquifer. The LAR is located near the Dominguez Gap Barrier

PHILLIPS 66 COMPANY, CARSON PLANT (Continued) **S103963019**

Project (DGBP) and the groundwater flow direction in the Water Table Aquifer, Gage Aquifer, and Lynwood Aquifer beneath the LAR is influenced by the operation of the DGBP. The groundwater flow is towards the west away from the DGBP. In the Silverado Aquifer groundwater flow is towards the east. There is light non-aqueous phase liquid (LNAPL) present in the Water Table Aquifer beneath most of the LAR. The groundwater beneath the LAR is also impacted with contaminants of concern (COCs) in the dissolved phase, primarily total petroleum hydrocarbons (TPH) and volatile organic compounds (VOCs) particularly benzene and oxygenates such as methyl tert-butyl ether (MTBE), tert-butyl alcohol (TBA), and disipropyl ether (DIPE). The highest concentrations of COCs are detected in the Water Table Aquifer. Benzene and oxygenates are also detected in the Gage Aquifer, Lynwood Aquifer, and Silverado Aquifer. Phillips 66 has been operating extraction wells in the Water Table Aquifer for hydraulic control and LNAPL removal at the LAR.

Click here to access the California GeoTracker records for this facility:

CERS HAZ WASTE:

Name: PACIFIC PIPELINE SYS WILMINGTON STA
Address: 1520 E SEPULVEDA BLVD
City,State,Zip: CARSON, CA 90745
Site ID: 54808
CERS ID: 10291249
CERS Description: Hazardous Waste Generator

Name: PHILLIPS 66 COMPANY, CARSON PLANT
Address: 1520 E SEPULVEDA BLVD
City,State,Zip: CARSON, CA 90745
Site ID: 399547
CERS ID: 10263874
CERS Description: Hazardous Chemical Management

Name: PHILLIPS 66 COMPANY, CARSON PLANT
Address: 1520 E SEPULVEDA BLVD
City,State,Zip: CARSON, CA 90745
Site ID: 399547
CERS ID: 10263874
CERS Description: Hazardous Waste Generator

Name: PHILLIPS 66 COMPANY, CARSON PLANT
Address: 1520 E SEPULVEDA BLVD
City,State,Zip: CARSON, CA 90745
Site ID: 399547
CERS ID: 10263874
CERS Description: RCRA LQ HW Generator

Name: PHILLIPS 66 COMPANY, CARSON PLANT
Address: 1520 E SEPULVEDA BLVD
City,State,Zip: CARSON, CA 90745
Site ID: 399547
CERS ID: 10263874
CERS Description: Hazardous Waste Onsite Treatment

CERS TANKS:

PHILLIPS 66 COMPANY, CARSON PLANT (Continued) **S103963019**

Name:	PHILLIPS 66 COMPANY, CARSON PLANT
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
Site ID:	399547
CERS ID:	10263874
CERS Description:	Aboveground Petroleum Storage

CHMIRS:

Name:	Not reported
Address:	1520 E. SEPULVEDA BLVD.
City,State,Zip:	CARSON, CA 90745
OES Incident Number:	4-3823
OES notification:	07/07/2014
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Refinery
Cleanup By:	No
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	CHEMICAL
Measure:	Lbs.
Other:	Not reported
Date/Time:	200
Year:	2014
Agency:	Phillips 66 LA Refinery
Incident Date:	7/6/2014
Admin Agency:	Not reported

PHILLIPS 66 COMPANY, CARSON PLANT (Continued) **S103963019**

Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Sulfur Dioxide
Quantity Released:	500
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Process Upset
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	Other
Fatals:	No
Comments:	Not reported
Description:	RP states the a high sulfur in the fuel gas resulted in the exceedance of the RQ for SOC (500 lbs in a 24-hr period). Incident occurred, 7/6/14, 0200-0600.

Name:	Not reported
Address:	1520 E SEPULVEDA
City,State,Zip:	CARSON, CA
OES Incident Number:	5-2512
OES notification:	04/27/2005
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported

PHILLIPS 66 COMPANY, CARSON PLANT (Continued) **S103963019**

Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2005
Agency:	Kinder Morgan
Incident Date:	4/27/200512:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	Crude Oil
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	The caller is reporting a stain of crude oil 4 feet by 4 feet
Name:	Not reported
Address:	1520 E SEPULVEDA
City,State,Zip:	CARSON, CA 90745
OES Incident Number:	0-1778
OES notification:	04/19/2000
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported

PHILLIPS 66 COMPANY, CARSON PLANT (Continued) **S103963019**

More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	n/a
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2000
Agency:	Tosco
Incident Date:	4/19/200012:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Refinery
E Date:	Not reported
Substance:	Nitrogen Dioxide
Gallons:	0.000000
Pounds:	15
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Lost air pollution control equipment during power outage.
Name:	Not reported

PHILLIPS 66 COMPANY, CARSON PLANT (Continued) **S103963019**

Address:	1520 E. SEPULVEDA
City,State,Zip:	CARSON, CA
OES Incident Number:	10-1719
OES notification:	03/11/2010
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Refinery
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Lbs.
Other:	Not reported
Date/Time:	2115
Year:	2010
Agency:	Conoco Phillips
Incident Date:	2/19/2010
Admin Agency:	LACoFD Health Haz-Mat
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	SOX
Quantity Released:	2300
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported

PHILLIPS 66 COMPANY, CARSON PLANT (Continued) **S103963019**

#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	The caller advised that they discovered an error in sampling from a flaring event on 2/19/2010. The flaring event lasted for one hpour on that date.
Name:	Not reported
Address:	1520 E. SEPULVEDA
City,State,Zip:	CARSON, CA 90745
OES Incident Number:	1-6696
OES notification:	11/10/2011
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Refinery
Cleanup By:	N/A
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Lbs.
Other:	Not reported
Date/Time:	1325

PHILLIPS 66 COMPANY, CARSON PLANT (Continued) **S103963019**

Year:	2011
Agency:	Conoco Phillips
Incident Date:	11/10/2011
Admin Agency:	LACoFD Health Haz-Mat
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Sulfur Dioxide
Quantity Released:	Unk
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Per RP a flaring event has caused this incident which is believed to be greater than 500 pounds which is the reportable quantity.

EMI:

Name:	PHILLIPS 66 COMPANY/LOS ANGELES REFINERY
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
Year:	2012
County Code:	19
Air Basin:	SC
Facility ID:	171109
Air District Name:	SC
SIC Code:	2911
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	140.21964477
Reactive Organic Gases Tons/Yr:	102.90369455
Carbon Monoxide Emissions Tons/Yr:	266.86472
NOX - Oxides of Nitrogen Tons/Yr:	328.91623
SOX - Oxides of Sulphur Tons/Yr:	217.22762
Particulate Matter Tons/Yr:	69.03032849
Part. Matter 10 Micrometers and Smllr Tons/Yr:	60.381831874

Name:	PHILLIPS 66 COMPANY/LOS ANGELES REFINERY
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
Year:	2013
County Code:	19
Air Basin:	SC

PHILLIPS 66 COMPANY, CARSON PLANT (Continued) **S103963019**

Facility ID:	171109
Air District Name:	SC
SIC Code:	2911
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	156.55473385
Reactive Organic Gases Tons/Yr:	115.6264743
Carbon Monoxide Emissions Tons/Yr:	285.58175
NOX - Oxides of Nitrogen Tons/Yr:	335.59228
SOX - Oxides of Sulphur Tons/Yr:	240.68301
Particulate Matter Tons/Yr:	72.50445675
Part. Matter 10 Micrometers and Smllr Tons/Yr:	63.344352283

Name:	PHILLIPS 66 COMPANY/LOS ANGELES REFINERY
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
Year:	2014
County Code:	19
Air Basin:	SC
Facility ID:	171109
Air District Name:	SC
SIC Code:	2911
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	113.5304512
Reactive Organic Gases Tons/Yr:	89.56729
Carbon Monoxide Emissions Tons/Yr:	125.11174
NOX - Oxides of Nitrogen Tons/Yr:	368.53168
SOX - Oxides of Sulphur Tons/Yr:	330.38315
Particulate Matter Tons/Yr:	75.30555
Part. Matter 10 Micrometers and Smllr Tons/Yr:	67.02117908

Name:	PHILLIPS 66 COMPANY/LOS ANGELES REFINERY
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
Year:	2015
County Code:	19
Air Basin:	SC
Facility ID:	171109
Air District Name:	SC
SIC Code:	2911
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	124.98468544
Reactive Organic Gases Tons/Yr:	96.929122522
Carbon Monoxide Emissions Tons/Yr:	124.5268415
NOX - Oxides of Nitrogen Tons/Yr:	400.8134085
SOX - Oxides of Sulphur Tons/Yr:	339.80392608
Particulate Matter Tons/Yr:	72.55000118
Part. Matter 10 Micrometers and Smllr Tons/Yr:	63.96330289

Name:	PHILLIPS 66 COMPANY/LOS ANGELES REFINERY
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745

PHILLIPS 66 COMPANY, CARSON PLANT (Continued) **S103963019**

Year:	2016
County Code:	19
Air Basin:	SC
Facility ID:	171109
Air District Name:	SC
SIC Code:	2911
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	116.19710414
Reactive Organic Gases Tons/Yr:	88.8373677
Carbon Monoxide Emissions Tons/Yr:	124.2899
NOX - Oxides of Nitrogen Tons/Yr:	385.388105
SOX - Oxides of Sulphur Tons/Yr:	310.999308
Particulate Matter Tons/Yr:	70.902214
Part. Matter 10 Micrometers and Smllr Tons/Yr:	62.418345178

Name:	PHILLIPS 66 COMPANY/LOS ANGELES REFINERY
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
Year:	2017
County Code:	19
Air Basin:	SC
Facility ID:	171109
Air District Name:	SC
SIC Code:	2911
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	121.38315174
Reactive Organic Gases Tons/Yr:	92.4046526
Carbon Monoxide Emissions Tons/Yr:	143.15
NOX - Oxides of Nitrogen Tons/Yr:	391.36
SOX - Oxides of Sulphur Tons/Yr:	240.757643
Particulate Matter Tons/Yr:	67.1837072
Part. Matter 10 Micrometers and Smllr Tons/Yr:	58.620452192

Name:	PHILLIPS 66 COMPANY/LOS ANGELES REFINERY
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
Year:	2018
County Code:	19
Air Basin:	SC
Facility ID:	171109
Air District Name:	SC
SIC Code:	2911
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	113.13382296
Reactive Organic Gases Tons/Yr:	86.443694111
Carbon Monoxide Emissions Tons/Yr:	170.627125
NOX - Oxides of Nitrogen Tons/Yr:	390.4777715
SOX - Oxides of Sulphur Tons/Yr:	333.53369401
Particulate Matter Tons/Yr:	62.442317815
Part. Matter 10 Micrometers and Smllr Tons/Yr:	55.474303011

PHILLIPS 66 COMPANY, CARSON PLANT (Continued) **S103963019**

Name:	PHILLIPS 66 COMPANY/LOS ANGELES REFINERY
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
Year:	2019
County Code:	19
Air Basin:	SC
Facility ID:	171109
Air District Name:	SC
SIC Code:	2911
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	110.72023995
Reactive Organic Gases Tons/Yr:	81.921866997
Carbon Monoxide Emissions Tons/Yr:	80.8048988
NOX - Oxides of Nitrogen Tons/Yr:	292.2770192
SOX - Oxides of Sulphur Tons/Yr:	248.98029204
Particulate Matter Tons/Yr:	89.663047105
Part. Matter 10 Micrometers and Smllr Tons/Yr:	82.273582323

ENF:

Name:	LOS ANGELES REFINERY, CARSON PLANT
Address:	1520 EAST SEPULVEDA BOULEVARD
City,State,Zip:	CARSON, CA
Region:	4
Facility Id:	236009
Agency Name:	Phillips 66 Company Carson
Place Type:	Manufacturing
Place Subtype:	Petroleum Refinery
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	2911
SIC Desc 1:	Petroleum Refining
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	11
Threat To Water Quality:	2
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Cooling water: Noncontact
Facility Waste Type 2:	Stormwater runoff
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDLRG

PHILLIPS 66 COMPANY, CARSON PLANT (Continued) **S103963019**

Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	4B192131026
Reg Measure Id:	381036
Reg Measure Type:	NPDES Permits
Region:	4
Order #:	R4-2012-0021
Npdes# CA#:	CA0063185
Major-Minor:	Major
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	10000
Status:	Historical
Status Date:	08/01/2017
Effective Date:	03/02/2012
Expiration/Review Date:	01/10/2017
Termination Date:	07/31/2017
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	392141
Region:	4
Order / Resolution Number:	Not reported
Enforcement Action Type:	Notice of Violation
Effective Date:	07/15/2013
Adoption/Issuance Date:	07/15/2013
Achieve Date:	Not reported
Termination Date:	07/15/2013
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	NOV 07/15/2013 for Phillips 66 Company
Description:	Q1 2013 self-monitoring report was due on 5/1/2013 and to date has not been received.
Program:	NPDINDLRG
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0
Name:	LOS ANGELES REFINERY, CARSON PLANT
Address:	1520 EAST SEPULVEDA BOULEVARD

PHILLIPS 66 COMPANY, CARSON PLANT (Continued) **S103963019**

City,State,Zip:	CARSON, CA
Region:	4
Facility Id:	236009
Agency Name:	Phillips 66 Company Carson
Place Type:	Manufacturing
Place Subtype:	Petroleum Refinery
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	2911
SIC Desc 1:	Petroleum Refining
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	11
Threat To Water Quality:	2
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Cooling water: Noncontact
Facility Waste Type 2:	Stormwater runoff
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDLRG
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	4B192131026
Reg Measure Id:	381036
Reg Measure Type:	NPDES Permits
Region:	4
Order #:	R4-2012-0021
Npdes# CA#:	CA0063185
Major-Minor:	Major
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	10000
Status:	Historical
Status Date:	08/01/2017
Effective Date:	03/02/2012
Expiration/Review Date:	01/10/2017
Termination Date:	07/31/2017
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported

PHILLIPS 66 COMPANY, CARSON PLANT (Continued) **S103963019**

WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	385167
Region:	4
Order / Resolution Number:	Not reported
Enforcement Action Type:	Oral Communication
Effective Date:	05/17/2012
Adoption/Issuance Date:	05/17/2012
Achieve Date:	Not reported
Termination Date:	05/17/2012
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Oral Com 05/17/2012 for ConocoPhillips Company
Description:	Sent email to Alphonso Graves (Data Submitter) informing him that the rainfall data wasn't uploaded into CIWQS for 1st Quarter 2012 and asked that he included it with the 2nd Quarter 2012 submittal.
Program:	NPDINDLRG
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	LOS ANGELES REFINERY, CARSON PLANT
Address:	1520 EAST SEPULVEDA BOULEVARD
City,State,Zip:	CARSON, CA
Region:	4
Facility Id:	236009
Agency Name:	ConocoPhillips Company Long Beach
Place Type:	Manufacturing
Place Subtype:	Petroleum Refinery
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	2911
SIC Desc 1:	Petroleum Refining
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported

PHILLIPS 66 COMPANY, CARSON PLANT (Continued) **S103963019**

NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	11.23
Threat To Water Quality:	2
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Cooling water: Noncontact
Facility Waste Type 2:	Stormwater runoff
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDESWW
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	4B192131026
Reg Measure Id:	134971
Reg Measure Type:	NPDES Permits
Region:	4
Order #:	94-001
Npdes# CA#:	CA0063185
Major-Minor:	Major
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	01/31/1994
Effective Date:	01/31/1994
Expiration/Review Date:	12/10/1998
Termination Date:	05/23/2001
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	241438
Region:	4
Order / Resolution Number:	NOV
Enforcement Action Type:	Notice of Violation
Effective Date:	03/25/2002
Adoption/Issuance Date:	03/25/2002
Achieve Date:	Not reported
Termination Date:	04/25/2002
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Revised NOV sent 3/25/02 for numerous effluent violations & late rpt submittals.
Description:	Revised NOV sent 3/25/02 for numerous effluent violations

PHILLIPS 66 COMPANY, CARSON PLANT (Continued) **S103963019**

	and late report submittals.
Program:	NPDESWW
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0
Name:	LOS ANGELES REFINERY, CARSON PLANT
Address:	1520 EAST SEPULVEDA BOULEVARD
City,State,Zip:	CARSON, CA
Region:	4
Facility Id:	236009
Agency Name:	ConocoPhillips Company Long Beach
Place Type:	Manufacturing
Place Subtype:	Petroleum Refinery
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	2911
SIC Desc 1:	Petroleum Refining
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	11.23
Threat To Water Quality:	2
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Cooling water: Noncontact
Facility Waste Type 2:	Stormwater runoff
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDESWW
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	4B192131026
Reg Measure Id:	134971
Reg Measure Type:	NPDES Permits
Region:	4
Order #:	94-001
Npdes# CA#:	CA0063185

PHILLIPS 66 COMPANY, CARSON PLANT (Continued) **S103963019**

Major-Minor:	Major
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	01/31/1994
Effective Date:	01/31/1994
Expiration/Review Date:	12/10/1998
Termination Date:	05/23/2001
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	240323
Region:	4
Order / Resolution Number:	NOV
Enforcement Action Type:	Notice of Violation
Effective Date:	01/07/2002
Adoption/Issuance Date:	01/07/2002
Achieve Date:	Not reported
Termination Date:	02/07/2002
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	NOV sent 1/7/02 for numerous effluent violations and late report submittals.
Description:	NOV sent 1/7/02 for numerous effluent violations and late report submittals.
Program:	NPDESWW
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	LOS ANGELES REFINERY, CARSON PLANT
Address:	1520 EAST SEPULVEDA BOULEVARD
City,State,Zip:	CARSON, CA
Region:	4
Facility Id:	236009
Agency Name:	ConocoPhillips Company Long Beach
Place Type:	Manufacturing
Place Subtype:	Petroleum Refinery
Facility Type:	Industrial
Agency Type:	Privately-Owned Business

PHILLIPS 66 COMPANY, CARSON PLANT (Continued) **S103963019**

# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	2911
SIC Desc 1:	Petroleum Refining
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	11.23
Threat To Water Quality:	2
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Cooling water: Noncontact
Facility Waste Type 2:	Stormwater runoff
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDESWW
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	4B192131026
Reg Measure Id:	131111
Reg Measure Type:	NPDES Permits
Region:	4
Order #:	01-074
Npdes# CA#:	CA0063185
Major-Minor:	Major
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	10000
Status:	Historical
Status Date:	11/08/2006
Effective Date:	05/24/2001
Expiration/Review Date:	04/10/2006
Termination Date:	11/08/2006
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	357534

PHILLIPS 66 COMPANY, CARSON PLANT (Continued) **S103963019**

Region:	4
Order / Resolution Number:	SWB-2008-4-0025
Enforcement Action Type:	Admin Civil Liability
Effective Date:	01/20/2010
Adoption/Issuance Date:	01/20/2010
Achieve Date:	Not reported
Termination Date:	02/09/2010
ACL Issuance Date:	Not reported
EPL Issuance Date:	12/09/2008
Status:	Historical
Title:	Expedited Payment Letter for ConocoPhillips Company
Description:	Mandatory Minimum Penalty Amount Owed for Effluent Violations (0 Serious Violations + 6 Chronic Violations) + $3,000 = $18,000 to the Cleanup & Abatement Account
Program:	NPDESWW
Latest Milestone Completion Date:	2/9/2010
# Of Programs1:	1
Total Assessment Amount:	18000
Initial Assessed Amount:	18000
Liability $ Amount:	18000
Project $ Amount:	0
Liability $ Paid:	18000
Project $ Completed:	0
Total $ Paid/Completed Amount:	18000

Name:	LOS ANGELES REFINERY, CARSON PLANT
Address:	1520 EAST SEPULVEDA BOULEVARD
City,State,Zip:	CARSON, CA
Region:	4
Facility Id:	236009
Agency Name:	ConocoPhillips Company Long Beach
Place Type:	Manufacturing
Place Subtype:	Petroleum Refinery
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	2911
SIC Desc 1:	Petroleum Refining
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	11.23
Threat To Water Quality:	2
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Cooling water: Noncontact

PHILLIPS 66 COMPANY, CARSON PLANT (Continued) **S103963019**

Facility Waste Type 2:	Stormwater runoff
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDESWW
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	4B192131026
Reg Measure Id:	131111
Reg Measure Type:	NPDES Permits
Region:	4
Order #:	01-074
Npdes# CA#:	CA0063185
Major-Minor:	Major
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	10000
Status:	Historical
Status Date:	11/08/2006
Effective Date:	05/24/2001
Expiration/Review Date:	04/10/2006
Termination Date:	11/08/2006
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	228581
Region:	4
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Oral Communication
Effective Date:	05/26/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	05/26/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 4B192131026
Description:	The discharger phoned Board staff to report the effluent violation.
Program:	NPDESWW
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0

PHILLIPS 66 COMPANY, CARSON PLANT (Continued) **S103963019**

Total $ Paid/Completed Amount: 0

LOS ANGELES CO. HMS:

Name: PHILLIPS 66 CO-CARSON REFINERY
Address: 1520 E SEPULVEDA BLVD
City,State,Zip: CARSON, CA 907456140
Region: LA
Permit Category: I
Facility Id: 000313-056794
Facility Type: 02
Facility Status: Permit
Area: 22
Permit Number: 000021079
Permit Status: Permit

Name: PHILLIPS 66 CO-CARSON REFINERY
Address: 1520 E SEPULVEDA BLVD
City,State,Zip: CARSON, CA 907456140
Region: LA
Permit Category: I
Facility Id: 000313-056794
Facility Type: 02
Facility Status: Permit
Area: 22
Permit Number: 000763983
Permit Status: Permit

Name: PHILLIPS 66 CO-CARSON REFINERY
Address: 1520 E SEPULVEDA BLVD
City,State,Zip: CARSON, CA 907456140
Region: LA
Permit Category: Not reported
Facility Id: 015393-056795
Facility Type: Not reported
Facility Status: OPEN
Area: 22
Permit Number: Not reported
Permit Status: Not reported

Name: PHILLIPS 66 REFINERY
Address: 1520 E SEPULVEDA BLVD
City,State,Zip: CARSON, CA 907456140
Region: LA
Permit Category: Not reported
Facility Id: 015393-057986
Facility Type: Not reported
Facility Status: OPEN
Area: 22
Permit Number: Not reported
Permit Status: Not reported

NPDES:

Name: LOS ANGELES REFINERY, CARSON PLANT
Address: 1520 EAST SEPULVEDA BOULEVARD
City,State,Zip: CARSON, CA 90745-6140
Facility Status: Active

PHILLIPS 66 COMPANY, CARSON PLANT (Continued) **S103963019**

NPDES Number:	CA0063185
Region:	4
Agency Number:	534488
Regulatory Measure ID:	411309
Place ID:	236009
Order Number:	R4-2017-0120
WDID:	4B192131026
Regulatory Measure Type:	NPDES Permits
Program Type:	NPDINDLRG
Adoption Date Of Regulatory Measure:	06/01/2017
Effective Date Of Regulatory Measure:	08/01/2017
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	07/31/2022
Discharge Address:	1520 East Sepulveda Boulevard
Discharge Name:	Phillips 66 Company Carson
Discharge City:	Carson
Discharge State:	CA
Discharge Zip:	90745
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	CA0063185
Status:	Historical
Agency Number:	534488
Region:	4
Regulatory Measure ID:	381036
Order Number:	R4-2012-0021
Regulatory Measure Type:	NPDES Permits
Place ID:	236009
WDID:	4B192131026
Program Type:	NPDINDLRG
Adoption Date Of Regulatory Measure:	02/02/2012
Effective Date Of Regulatory Measure:	03/02/2012
Expiration Date Of Regulatory Measure:	01/10/2017
Termination Date Of Regulatory Measure:	07/31/2017
Discharge Name:	Phillips 66 Company Carson
Discharge Address:	1520 East Sepulveda Boulevard
Discharge City:	Carson
Discharge State:	CA
Discharge Zip:	90745
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported

PHILLIPS 66 COMPANY, CARSON PLANT (Continued) **S103963019**

Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

NPDES Number:	CA0063185
Status:	Active
Agency Number:	534488
Region:	4
Regulatory Measure ID:	411309
Order Number:	R4-2017-0120
Regulatory Measure Type:	NPDES Permits
Place ID:	236009
WDID:	4B192131026
Program Type:	NPDINDLRG
Adoption Date Of Regulatory Measure:	06/01/2017
Effective Date Of Regulatory Measure:	08/01/2017

PHILLIPS 66 COMPANY, CARSON PLANT (Continued) **S103963019**

Expiration Date Of Regulatory Measure:	07/31/2022
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Phillips 66 Company Carson
Discharge Address:	1520 East Sepulveda Boulevard
Discharge City:	Carson
Discharge State:	CA
Discharge Zip:	90745
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported

PHILLIPS 66 COMPANY, CARSON PLANT (Continued) **S103963019**

Certifier: Not reported
Certifier Title: Not reported
Certification Date: Not reported
Primary Sic: Not reported
Secondary Sic: Not reported
Tertiary Sic: Not reported

CIWQS:
Name: LOS ANGELES REFINERY, CARSON PLANT
Address: 1520 EAST SEPULVEDA BOULEVARD
City,State,Zip: CARSON, CA 90745
Agency: Phillips 66 Company Carson
Agency Address: 1520 East Sepulveda Boulevard, Carson, CA 90745
Place/Project Type: Petroleum Refinery
SIC/NAICS: 2911
Region: 4
Program: NPDINDLRG
Regulatory Measure Status: Active
Regulatory Measure Type: NPDES Permit
Order Number: R4-2017-0120
WDID: 4B192131026
NPDES Number: CA0063185
Adoption Date: 06/01/2017
Effective Date: 08/01/2017
Termination Date: Not reported
Expiration/Review Date: 07/31/2022
Design Flow: 11
Major/Minor: Major
Complexity: A
TTWQ: 2
Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: Not reported
Longitude: Not reported

Name: LOS ANGELES REFINERY, CARSON PLANT
Address: 1520 EAST SEPULVEDA BOULEVARD
City,State,Zip: CARSON, CA 90745
Agency: ConocoPhillips Company Long Beach
Agency Address: 3900 Kilroy Airport Way 210, Long Beach, CA 90806
Place/Project Type: Petroleum Refinery
SIC/NAICS: 2911
Region: 4
Program: NPDESWW, NPDINDLRG
Regulatory Measure Status: Historical
Regulatory Measure Type: NPDES Permit
Order Number: R4-2006-0082
WDID: 4B192131026
NPDES Number: CA0063185
Adoption Date: 11/09/2006
Effective Date: 12/09/2006
Termination Date: 03/01/2012
Expiration/Review Date: 10/09/2011
Design Flow: 11
Major/Minor: Major
Complexity: A

PHILLIPS 66 COMPANY, CARSON PLANT (Continued) **S103963019**

TTWQ: 2
Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: Not reported
Longitude: Not reported

CERS:
Name: PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT
Address: 1520 E SEPULVEDA BLVD
City,State,Zip: CARSON, CA 90745
Site ID: 107763
CERS ID: 110038102969
CERS Description: US EPA Air Emission Inventory System (EIS)

Affiliation:
Affiliation Type Desc: Company Official
Entity Name: Jenny Kaufman
Entity Title: Environmental Specialist
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: 90745
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: AL CANTU
Entity Title: SUPT,H&S FIELD SVCS & EME
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: CHERYL COBB
Entity Title: ENVIRONMENTAL ENGINEER
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: KATHY L NORRIS
Entity Title: ENVIRONMENTAL SPECIALIST WASTE
Affiliation Address: POBOX 6004
Affiliation City: SANRAMON
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: MARSHALL G WALLER

PHILLIPS 66 COMPANY, CARSON PLANT (Continued) **S103963019**

Entity Title: ENVIRONMENTAL CONTACT
Affiliation Address: 1660 W ANAHEIM ST
Affiliation City: WILMINGTON
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: MR SCOTT ZERGA
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: MICHAEL BECHTOL
Entity Title: MANAGER, HEALTH SAFETY & ENVIRONMENTAL
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: PHILLIPS 66
Entity Title: OPERATOR
Affiliation Address: 1660 W ANAHEIM ST
Affiliation City: WILMINGTON
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: DARIN L FIELDS
Entity Title: REFINERY MANAGER
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: SONDRA BIENVENU
Entity Title: Not reported
Affiliation Address: POBOX 4453
Affiliation City: HOUSTON
Affiliation State: TX
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

PHILLIPS 66 COMPANY, CARSON PLANT (Continued) **S103963019**

Affiliation Type Desc:	Parent Company
Entity Name:	PHILLIPS 66 CO
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	90745
Affiliation Phone:	Not reported

Affiliation Type Desc:	Public Contact
Entity Name:	JANET GROTHE
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Public Contact
Entity Name:	KENNETH DAMI
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	90745
Affiliation Phone:	3109526028

Affiliation Type Desc:	Technical Contact
Entity Name:	Jenny Kaufman
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	90745
Affiliation Phone:	3109526084

Affiliation Type Desc:	Environmental Contact
Entity Name:	CHERYL COBB
Entity Title:	ENVIRONMENTAL ENGINEER
Affiliation Address:	1660 WEST ANAHEIM STREET
Affiliation City:	WILMINGTON
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Environmental Contact
Entity Name:	MRSHLL G WALLER
Entity Title:	DIRECTOR, ENVIRONMENTAL SERVICES
Affiliation Address:	1660 WEST ANAHEIM STREET
Affiliation City:	WILMINGTON
Affiliation State:	CA
Affiliation Country:	Not reported

PHILLIPS 66 COMPANY, CARSON PLANT (Continued) **S103963019**

Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Owner
Entity Name: PHILLIPS 66
Entity Title: OWNER
Affiliation Address: 1660 W ANAHEIM STREET
Affiliation City: WILMINGTON
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Name: UNOCAL - TOSCO LOS ANGELES REFINERY, CARSON
Address: 1520 E. SEPULVEDA BLVD
City,State,Zip: CARSON, CA
Site ID: 245082
CERS ID: SL372402433
CERS Description: Cleanup Program Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ADNAN SIDDIQUI - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4TH ST., SUITE 200
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Name: PHILLIPS 66 COMPANY, CARSON PLANT
Address: 1520 E SEPULVEDA BLVD
City,State,Zip: CARSON, CA 90745
Site ID: 399547
CERS ID: 10263874
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 399547
Site Name: PHILLIPS 66 COMPANY, CARSON PLANT
Violation Date: 06-25-2020
Citation: 19 CCR 4.5 2762.9(i) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2762.9(i)
Violation Description: Failure to ensure the investigation report include: (1) Date and time of the incident; (2) Date and time the investigation began; (3) A detailed description of the incident; (4) The factors that caused or contributed to the incident, including direct causes, indirect causes and root causes, determined through the root cause analysis; (5) A list of any DMR(s), PHA(s), HCA(s), and SPA(s) that were reviewed as part of the investigation; (6) Interim recommendations to prevent a recurrence or similar incident; (7) Recommendations for permanent corrective actions.
Violation Notes: Returned to compliance on 10/22/2020. OBSERVATION: The owner or operator failed to include in the Incident Investigation Report, IMPACT #327900 the factors that caused or contributed to the incident,

PHILLIPS 66 COMPANY, CARSON PLANT (Continued) **S103963019**

including direct causes, indirect causes and root causes and any PHAs that were reviewed as a part of the investigation. A review of the LAR P & P, 6-2-3, Incident Notification, Investigation and Reporting, specifies the following: G The report will contain the following information: (1) The date and time of the incident. (2) The date and time the investigation began. (3) A detailed description of the incident. (4) The factors that caused or contributed to the incident, including direct causes, indirect causes and root causes, determined through the Root Cause Analysis. (5) A list of any DMR(s), PHA(s), SPA(s), and HCA(s) that were reviewed as part of the investigation. (6) Documentation of relevant findings from the review of DMR(s), PHA(s), SPA(s) and HCA(s). (7) The teamG s recommendations and interim [Truncated]

Violation Division: Los Angeles County Fire Department
Violation Program: CalARP
Violation Source: CERS

Site ID: 399547
Site Name: PHILLIPS 66 COMPANY, CARSON PLANT
Violation Date: 06-25-2020
Citation: 19 CCR 4.5 2762.3(a) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2762.3(a)
Violation Description: Failure to develop and implement effective written operating procedures with clear instructions for safely conducting activities involved in each process with the process safety information.
Violation Notes: Returned to compliance on 10/15/2020. OBSERVATION: The owner or operator failed to develop and implement an operating procedure for and starting and switching PCK-14 and PCK-10 pumps. A review of the LAR P & P, Operating Information, Procedures, and Training Manual, 5-1-5, revealed the process supervisor or a shift supervisor performs the following steps: determines a use category for an operating procedure according to Attachment 3, Risk-Based Use Categories; writes the operating procedure; assigns a subject matter expert to review the new operating procedure; and certifies that the new operating procedure is ready for use. A review of the East Operations master operating and emergency procedures index, however, revealed there was no operating procedure for switching light coker gas oil (LCGO) service between the PCK-10 and PCK-14 pumps. During an interview on July 16, 2019 at 1:45 p.m., David Prieto (Prieto), Operator, stated that there were no operating procedures on how to start or switch pumps. [Truncated]
Violation Division: Los Angeles County Fire Department
Violation Program: CalARP
Violation Source: CERS

Site ID: 399547
Site Name: PHILLIPS 66 COMPANY, CARSON PLANT
Violation Date: 09-17-2019
Citation: 19 CCR 4.5 2762.6(a) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2762.6(a)
Violation Description: Failure to develop, implement and maintain effective written Management of Change (MOC) procedures to manage changes in process chemicals, technology, procedures, process equipment, and facilities. Failure to also develop, implement and maintain written Management of Organizational Change (MOOC) procedures to manage changes in personnel or organizational issues. The MOC procedure shall include provisions for temporary repairs, including temporary piping or equipment

PHILLIPS 66 COMPANY, CARSON PLANT (Continued) **S103963019**

repairs.

Violation Notes: Returned to compliance on 07/21/2020. OBSERVATION: On 01/05/2019, SAP notification 16228225 was created for DU-23, for G no cooling water through seal cooler.G The corresponding order number 61797696 was never started or completed to repair the DU-23 seal cooler issue. A second SAP notification,16245570, was created on 02/07/2019 to replace DU-23 seal flush cooler. The corresponding order number 61833282 was created on 02/14/2019; however, the actual work was not started or completed. The DU-5 Crude Board Operator, Anthony Concha, created a third SAP notification, 16262587, on 03/14/2019 to repair the seal flush leak on the DU-23 pump. Additionally, he documented in the DU-5 Crude Board Operator Log Book comments, G DU-23 UCR pump is leaking from the tube fitting on the seal flush cooler, UCR was spraying out around the tube fitting but was able to reduce the leak by wiring the tubing creating a pinch pointG G A metal wire was wrapped around a hose to secure it in place at the DU-23 seal flush cooler as an [Truncated]

Violation Division: Los Angeles County Fire Department
Violation Program: CalARP
Violation Source: CERS

Site ID: 399547
Site Name: PHILLIPS 66 COMPANY, CARSON PLANT
Violation Date: 09-17-2019
Citation: 19 CCR 4.5 2765.2(a) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2765.2(a)

Violation Description: Failure to develop, implement, and maintain at the stationary source an emergency response program that includes the following elements: 1. Procedures for informing and interfacing with the public and local emergency response agencies about accidental releases, emergency planning, and emergency response. 2. Documentation of proper first-aid and emergency medical treatment necessary to treat accidental human exposures. 3. Procedures and measures for emergency response after an accidental release of a regulated substance. 4. Procedures for the use of emergency response equipment and for its inspection, testing, and maintenance are developed by the stationary source. 5. Training for all employees in relevant procedures and relevant aspects of the Incident Command System. 6. Procedures to review and update the emergency response plan to reflect changes at the stationary source are developed and employees are informed of these changes.

Violation Notes: Returned to compliance on 07/21/2020. OBSERVATION: The owner or operator failed to train employees in relevant procedures and relevant aspects of the Incident Command System (ICS) for the emergency response program. On March 15, 2019, Leo Thompson, Utility Operator at the Crude Unit, operated a fire hose during the DU-22 Pump Fire Incident without having the required ICS training. On March 26, 2019, during an interview, Leo Thompson said that the fire at the DU-22 pump started at approximately 7:15 pm on March 15, 2019. Mr. Thompson described the sound of the fireball as a loud G huff.G As he walked around accumulator, Victor 3430, he felt the blast wave and heat of the fire ball and explosion and saw the smoke. After he used his radio to inform the control room of the fire, he activated the air power to the deluge system and turned on a fire monitor. Then he proceeded to use a fire hose next to pump 8098. He said that while he was using the fire hose, he was standing in oily water above his mid-calf. [Truncated]

Violation Division: Los Angeles County Fire Department

PHILLIPS 66 COMPANY, CARSON PLANT (Continued) **S103963019**

Violation Program:	CalARP
Violation Source:	CERS
Site ID:	399547
Site Name:	PHILLIPS 66 COMPANY, CARSON PLANT
Violation Date:	06-25-2020
Citation:	HSC 6.95 25510(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25510(a)
Violation Description:	Failure to report a release or threatened release of a hazardous material to the unified program agency and to OES.
Violation Notes:	Returned to compliance on 10/22/2020. OBSERVATION: Upon discovery of the Coker fire on May 2, 2019, the owner or operator failed to immediately report a release or threatened release of a hazardous material, or an actual release of a hazardous substance to the UPA, and to the California Office of Emergency Services (CalOES). The owner or operator failed to provide a CalOES Spill report to demonstrate the incident was reported. A review of Impact Report #327900 revealed that a process safety and environmental incident occurred at 4:45 p.m., on May 2, 2019, when a fire was reported at the Coker unit in the area of the LCGO pumps. According to the Phillips 66 submitted letter dated July 15, 2019, approximately 85 barrels (3,570 lbs.) of LCGO was released. During an interview on June 27, 2019, Ed Becker, Health and Safety Manager, stated there had been a miscommunication when Shelly Micuzzi had called CalOES, G the representative told her she did not need to make the notificationG to the UPA and CalOES [Truncated]
Violation Division:	Los Angeles County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	399547
Site Name:	PHILLIPS 66 COMPANY, CARSON PLANT
Violation Date:	06-25-2020
Citation:	19 CCR 4.5 2762.4(a) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2762.4(a)
Violation Description:	(1) Failure to train each employee involved in operating a process, and each operating employee prior to working in a newly assigned process, in an overview of the process and in the operating procedures as specified in section 2762.3. Failure to include material on the specific safety and health hazards applicable to the employee's job tasks, procedures, including emergency operations and shutdown, and safe work practices applicable to the employee's job tasks. (2) Failure to train each employee involved in maintaining the on-going integrity of process equipment in an overview of that process and its hazards and in the procedures applicable to the employee's job tasks to assure that the employee can perform the job tasks in a safe manner.
Violation Notes:	Returned to compliance on 10/22/2020. OBSERVATION: the owner or operator failed to train each operator of the Coker unit involved in maintaining the on-going integrity of LCGO pumps after a process change was made to the seal flush cooler to assure the operator can perform the job tasks in a safe manner. During an interview on July 16, 2019 at 1:45 p.m., Prieto stated that on May 2, 2019, the operators and the Reliability Group mechanics started up PCK-10 and there had been a change to the seal flush cooling system. Prieto explained there had been a problem with the seal flush cooler and the impeller was not spinning which indicated there was no water flow through the seal flush cooler. Richard Barton (Barton), Mechanical

PHILLIPS 66 COMPANY, CARSON PLANT (Continued) **S103963019**

Supervisor, opened a valve at the bottom of the seal flush cooler and water drained on the ground. The impeller began moving which indicated water flow had resumed. During an interview on November 13, 2019, at 11:45 a.m., Barton described the purpose of the seal flush cooler: it receives [Truncated]

Violation Division: Los Angeles County Fire Department
Violation Program: CalARP
Violation Source: CERS

Site ID: 399547
Site Name: PHILLIPS 66 COMPANY, CARSON PLANT
Violation Date: 08-04-2015
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 08/13/2015. OBSERVATION: The facility has not submitted the Hazardous Materials Inventory Chemical Description page for flammable materials at the propane and butane unit and the crude unit to the CUPA. CORRECTIVE ACTION: Complete and submit the Hazardous Materials Inventory Chemical Description page for the flammable materials at the units listed above electronically in the California Enviranmental Reporting System (CERS).
Violation Division: Los Angeles County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 399547
Site Name: PHILLIPS 66 COMPANY, CARSON PLANT
Violation Date: 06-25-2020
Citation: 19 CCR 4.5 2762.6(f) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2762.6(f)
Violation Description: Failure to ensure employees involved in the process as well as maintenance workers whose job tasks will be affected by a change, are informed of, and effectively trained in the change in a timely manner, prior to implementation of the change. Failure to make the MOC documentation available to and require effective training in the change prior to implementation of the change, pursuant to section 2762.12, for contractors and employees of contractors who are operating the process and whose job tasks are affected by a change.
Violation Notes: Returned to compliance on 10/22/2020. OBSERVATION: The owner or operator failed to ensure that operators whose job tasks would be affected by a change, were informed of, and effectively trained in the change in a timely manner, prior to implementation of the change. Prieto and Fears were not trained on permanent MOCs, M20192273 and M20135455. M20192273 was regarding the following changes: removal of corrosion probes, flanges, and reducing tees from the discharge pipe downstream of the LCGO pumps, PCK-10 and PCK-14; provision of a straight pipe connected by a different welding material; removal of an alarm/instrumentation device, and an update to the PSI. M20135455 was in regard to a major capital project involving the following changes: replacement of the multistage pumps with single stage overhung pumps; process modification of piping, valves, and flanges to fit the single stage overhung pumps; changes in seal plans; and changes to standard operating procedures (SOP). The change involved the need for [Truncated]

PHILLIPS 66 COMPANY, CARSON PLANT (Continued) **S103963019**

Violation Division:	Los Angeles County Fire Department
Violation Program:	CalARP
Violation Source:	CERS
Site ID:	399547
Site Name:	PHILLIPS 66 COMPANY, CARSON PLANT
Violation Date:	09-17-2019
Citation:	19 CCR 4.5 2762.5(a) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2762.5(a)
Violation Description:	Failure to develop, implement, and maintain effective written procedures to ensure the ongoing integrity of process equipment. (1) Failure to ensure the procedures provide clear instructions for safely conducting maintenance activities on process equipment, consistent with the Process Safety Information. (2) Failure to ensure the procedures and inspection documents developed under subsection 2762.5 are readily accessible to employees and employee representatives pursuant to section 2762.10.
Violation Notes:	Returned to compliance on 07/21/2020. OBSERVATION: The owner or operator failed to develop and implement written procedures for maintenance of the DU-21, DU-22, and DU-23 centrifugal reflux pumps. The Phillips 66 Refining Recommended Best Practice (BP), Rotating Equipment Routine Pump Care, M-45 BP-4, is a corporate guide for maintaining the ongoing integrity of the rotary equipment; however, there was no evidence to demonstrate any site specific written maintenance procedures were developed or implemented for the Los Angeles Refinery. During interview on April 2, 2019, Leah Moore, Rotating Equipment and Reliability Engineer, provided the following statements: Pumps like DU-22 require the following maintenance: motor gets greased, oil mist is inspected, and vibration values are recorded as a part of the reliability rounds if the pump is in operation. Written notification is created in SAP when there is an equipment issue which would require maintenance and the shop supervisor is notified. The shop [Truncated]
Violation Division:	Los Angeles County Fire Department
Violation Program:	CalARP
Violation Source:	CERS
Site ID:	399547
Site Name:	PHILLIPS 66 COMPANY, CARSON PLANT
Violation Date:	09-17-2019
Citation:	19 CCR 4.5 2762.5(b) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2762.5(b)
Violation Description:	(1) Failure to ensure inspections and tests are performed on process equipment, using procedures that meet or exceed recognized and generally accepted good engineering practices (RAGAGEP). (2) Failure to ensure the frequency of inspections and tests of process equipment are consistent with (1) the applicable manufacturers' recommendations, (2) RAGAGEP, or (3) internal practices that are more protective than (1) or (2). Failure to ensure inspections and tests are conducted more frequently if necessary, based on the operating experience with the process equipment. (3) Failure to retain a certification record to document that each inspection and test has been performed in accordance with subsection 2762.5. Failure to ensure the certification record identifies the date of the inspection; the name of the person who performed the inspection or test; a description of the inspection or test performed; the results of the inspection or test; and the serial number or other identifier of the equipment on which the

PHILLIPS 66 COMPANY, CARSON PLANT (Continued) **S103963019**

inspection or test was performed.

Violation Notes: Returned to compliance on 07/21/2020. OBSERVATION: The owner or operator failed to perform inspection and tests on the DU-21, DU-22, and DU-23 centrifugal reflux pumps using procedures that meet or exceed RAGAGEP. The inspection and testing frequencies were inconsistent with RAGAGEP, such as API 610, API 682 or the Phillips 66 Refining Recommended Best Practice (BP), Rotating Equipment Routine Pump Care, M-45 BP-4. The owner or operator failed to document that the required inspection and test was performed. During interview on April 2, 2019, Leah Moore, Rotating Equipment and Reliability Engineer, provided the following statements: on or about December 2017, she created the Reliability Rounds Routine Pump Care form for recording and documenting the inspection results. She stated reliability rounds are made every three months, and vibration analysis is currently conducted monthly. Prior to that time, maintenance for pumps or reliability rounds had only been visual inspections, and there had been no [Truncated]

Violation Division: Los Angeles County Fire Department
Violation Program: CalARP
Violation Source: CERS

Site ID: 399547
Site Name: PHILLIPS 66 COMPANY, CARSON PLANT
Violation Date: 06-25-2020
Citation: 19 CCR 4.5 2762.8(a) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2762.8(a)

Violation Description: Failure to conduct an effective compliance audit and certify every three (3) years that the procedures and practices developed under Article 6.5 have been evaluated to verify they are in compliance with the provisions of Article 6.5, and are being followed.

Violation Notes: Returned to compliance on 10/15/2020. OBSERVATION: The owner or operator failed to conduct and certify a compliance audit based on an evaluation of procedures and practices developed under Article 6.5 (Program 4) of the CalARP regulations. A review of the compliance audit report, dated October 9, 2018, Attachment A, exhibited non-conformances of the following California Accidental Release Prevention (CalARP) regulations: 19 CCR 2760.1, 19 CCR 2760.2, 19 CCR 2760.5, 19 CCR 2760.6, 19 CCR 2760.7; these were based on Program 3 (Article 6) requirements, and not on Program 4 requirements. CORRECTIVE ACTION: Conduct an effective compliance audit and certify that the owner or operator has evaluated the procedures and practices developed under Article 6.5. Provide a copy of the compliance audit to the UPA.

Violation Division: Los Angeles County Fire Department
Violation Program: CalARP
Violation Source: CERS

Site ID: 399547
Site Name: PHILLIPS 66 COMPANY, CARSON PLANT
Violation Date: 06-25-2020
Citation: 19 CCR 4.5 2745.1(a) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2745.1(a)

Violation Description: Failure to submit an RMP which includes all requirements described in section 2745.3 through 2745.9.

Violation Notes: Returned to compliance on 10/22/2020. OBSERVATION: The owner or operator failed to submit a risk management plan (RMP) which includes the Program 4 requirements as provided in Section 2745.7.5. The five

PHILLIPS 66 COMPANY, CARSON PLANT (Continued) **S103963019**

year RMP update submitted to the United States Environmental Protection Agency (US EPA) on June 17, 2019 included data on prevention program elements for Program 3. A copy of this RMP was submitted with a cover letter from the Senior Process Safety Consultant to the Unified Program Agency (UPA). The cover letter specified that the UPA would receive the Program 4 update before October 2019; however, the Program 4 data elements were not submitted. CORRECTIVE ACTION: Submit the Program 4 prevention program elements and information as required by Section 2745.7.5 to the UPA.

Violation Division: Los Angeles County Fire Department
Violation Program: CalARP
Violation Source: CERS

Site ID: 399547
Site Name: PHILLIPS 66 COMPANY, CARSON PLANT
Violation Date: 06-25-2020
Citation: 19 CCR 4.5 2762.5(c) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2762.5(c)
Violation Description: Failure to correct equipment deficiencies to ensure safe operation of process equipment. Failure to ensure repair methodologies are consistent with RAGAGEP or more protective internal practices.
Violation Notes: Returned to compliance on 10/15/2020. OBSERVATION: The owner/operator failed to repair or replace a blocked seal flush cooler at the PCK-10 pump and a non-functional check valve at the PCK-14 pump discharge pipe before further use and ensure safe operation of the pumps until the seal flush cooler and check valve could be corrected. A review of the May 2, 2019 shift relief report by Lopez revealed the operational condition of PCK-10: G Ran PCK-10, all looks good but need to fix seal water cooler. Water cooler outlet open to grade, ok to run overnight Per Liah and Richard.G The shift notes did not reference a work order for repairing or replacing the seal flush cooler and the check valve, or specify any means to assure safe operation of the PCK-10 and PCK-14 pumps. A review of SAP work order request, #61884480, for the leaking seal flush cooler at the PCK-10 pump revealed G PCK-10 seal oil water cooler is in bad shape and leaking.G On April 2, 2019, a machinist initiated work order #116268338 for routine [Truncated]
Violation Division: Los Angeles County Fire Department
Violation Program: CalARP
Violation Source: CERS

Site ID: 399547
Site Name: PHILLIPS 66 COMPANY, CARSON PLANT
Violation Date: 06-25-2020
Citation: 19 CCR 4.5 2762.5(d) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2762.5(d)
Violation Description: (1) Failure to ensure that all process equipment at a minimum complies with the criteria established in subsection 2762.1(d). Failure to ensure that all process equipment is: (1) suitable for the process application for which it is or will be used; (2) fabricated from the proper materials of construction; (3) designed, constructed, installed, maintained, inspected, tested, operated and replaced in compliance with the manufacturer's and any other design specifications and all applicable codes and standards. (2) Failure to ensure and document newly installed process equipment or existing process equipment for which no RAGAGEP exists, are designed, built, installed, maintained, inspected, tested and operated in a safe manner. (3) Failure to conduct regularly scheduled checks and inspections as

PHILLIPS 66 COMPANY, CARSON PLANT (Continued) **S103963019**

necessary to ensure that the requirements of paragraph (1) are met. (4) Failure to ensure that maintenance materials, spare parts and equipment meet design specifications and applicable codes. (5)Failure to establish a process for evaluating new or updated equipment codes and standards and implementing changes as appropriate to ensure safe operation.

Violation Notes: Returned to compliance on 10/22/2020. OBSERVATION: The owner or operator failed to ensure that the PCK-10 Ladish valve and the CK-4 chain operated valve were designed, constructed, installed, maintained, inspected, tested, operated and replaced in compliance with the manufacturerG s specifications and applicable codes and standards. A review of the Los Angeles Refinery Coker Fire, Incident Investigation Report IMPACT #327900 revealed the G -+-inch block valve was missing 2 bonnet bolts, the bonnet gasket was missing, the bonnet bolts were cap screws rather than a stud with 2 nutsG G The Incident Corrective Actions addressed the need to improve valve rebuild quality with checklists, bolt torqueing requirements, and gasket verification. During an interview on June 27, 2019, at 10:40 a.m., Barton stated Emergency Response Team (ERT) members had to climb a ladder to the CK-4 Stripper and manually close a vent line from CK-4 to CK-1 Fractionator and a suction line of PCK-10 from CK-4. During an interview on [Truncated]

Violation Division: Los Angeles County Fire Department
Violation Program: CalARP
Violation Source: CERS

Site ID: 399547
Site Name: PHILLIPS 66 COMPANY, CARSON PLANT
Violation Date: 09-17-2019
Citation: 19 CCR 4.5 2762.3(a) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2762.3(a)

Violation Description: Failure to develop and implement effective written operating procedures with clear instructions for safely conducting activities involved in each process with the process safety information.

Violation Notes: Returned to compliance on 07/21/2020. OBSERVATION: The owner or operator failed to develop and implement specific operating procedures for centrifugal reflux pumps, DU-21, DU-22, and DU-23, such as for removing pumps from service, returning pumps to service, and switching to a spare (standby) pump. Furthermore, operators stated they did not have or use any written operating procedures for returning DU-22 to service during or prior to the DU-22 Pump Fire Incident on March 15, 2019. On March 15, 2019, the crude unit operating employees removed DU-23 from service due to a mechanical issue and placed the spare pump, DU-22, into service without implementing any specific operating procedures or steps to ensure a safe operation. DU-22 had been removed from service for repairs and had not been in operation since January 18, 2018. During interview on April 2, 2019, Daniel Viveros, Operator, provided the following statements: On March 15, 2019, DU-22 was placed back into service because DU-23 had a leak of [Truncated]

Violation Division: Los Angeles County Fire Department
Violation Program: CalARP
Violation Source: CERS

Site ID: 399547
Site Name: PHILLIPS 66 COMPANY, CARSON PLANT
Violation Date: 09-17-2019
Citation: 19 CCR 4.5 2762.5(c) - California Code of Regulations, Title 19,

PHILLIPS 66 COMPANY, CARSON PLANT (Continued) **S103963019**

Chapter 4.5, Section(s) 2762.5(c)
Violation Description: Failure to correct equipment deficiencies to ensure safe operation of process equipment. Failure to ensure repair methodologies are consistent with RAGAGEP or more protective internal practices.
Violation Notes: Returned to compliance on 07/21/2020. OBSERVATION: The owner or operator failed to correct deficiencies of the DU-22 pump and suction valve and the DU-23 seal flush cooler to ensure safe operation of the pumps. A review of the refineryG s maintenance and mechanical integrity database, SAP, revealed the following: Leah Moore, Rotating Equipment and Reliability Engineer created SAP Notification, 16042281, on 12/29/2017 and stated G DU-22 pump has very high vibration. Seems like unbalance in the horizontal axis.G On 12/29/2017, she stated DU-22 coupling shims are cracked. Please replace and re-align.G DU-22 pump was repaired on 01/22/2018; however, no post repair test was conducted to confirm the observed and documented mechanical integrity issues had been properly addressed and resolved. On 01/05/2019, SAP notification 16228225 was created for DU-23, for G no cooling water through seal cooler.G The corresponding order number 61797696 was never started or completed to repair the DU-23 seal cooler issue. A [Truncated]
Violation Division: Los Angeles County Fire Department
Violation Program: CalARP
Violation Source: CERS

Site ID: 399547
Site Name: PHILLIPS 66 COMPANY, CARSON PLANT
Violation Date: 06-25-2020
Citation: 19 CCR 4.5 2762.7(b) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2762.7(b)
Violation Description: Failure to confirm, as a verification check, independent of the management of change process, that prior to the introduction of highly hazardous materials to a process: (1) Construction, maintenance, and repair work has been performed in accordance with design specifications; (2) Process equipment has been maintained and is operable in accordance with design specifications; (3) Effective safety, operating, maintenance, and emergency procedures are in place; (4) For new process units, a PHA, HCA, DMR, and SPA have each been performed as applicable pursuant to Article 6.5, and recommendations have been implemented or resolved before start-up. For new or modified processes, all changes have been implemented in accordance with the requirements contained in the MOC, section 2762.6; and, (5) Training of each operating employee and maintenance employee affected by the change has been completed.
Violation Notes: Returned to compliance on 10/22/2020. OBSERVATION: The owner or operator failed to ensure that prior to the introduction of highly hazardous materials to the Coker process, the PSSR confirms the following: construction, maintenance, and repair work for the newly installed PCK-10 pump was performed in accordance with design specifications; the PCK-10 pump Ladish valve was maintained and operable in accordance with design specifications; and changes to the modified PCK-14 and PCK-10 pumps were implemented in accordance with the MOC requirements in section 2762.6. A review of the Incident Investigation Report, IMPACT #327900 revealed G -+-inch block valve was missing 2 bonnet bolts, the bonnet gasket was missing, the bonnet bolts were cap screws rather than a stud with 2 nuts.G The -+-inch block valve did not meet the Ladish valve design specifications as it was missing the required body bolts/studs, body nuts, and body gasket

PHILLIPS 66 COMPANY, CARSON PLANT (Continued) **S103963019**

at the time of the PCK-10 startup. One of the incident corrective actions was to [Truncated]
Violation Division: Los Angeles County Fire Department
Violation Program: CalARP
Violation Source: CERS

Site ID: 399547
Site Name: PHILLIPS 66 COMPANY, CARSON PLANT
Violation Date: 05-03-2019
Citation: 02001 - Search Title 8 regulations for 4070(A) at https://www.dir.ca.gov/title8/index/T8index.asp
Violation Description: Cal/OSHA Violation
Violation Notes: Not reported
Violation Division: Cal/OSHA
Violation Program: OSHA
Violation Source: CERS

Site ID: 399547
Site Name: PHILLIPS 66 COMPANY, CARSON PLANT
Violation Date: 06-18-2008
Citation: 01001 - Search Title 8 regulations for 1509 A at https://www.dir.ca.gov/title8/index/T8index.asp
Violation Description: Cal/OSHA Violation
Violation Notes: Not reported
Violation Division: Cal/OSHA
Violation Program: OSHA
Violation Source: CERS

Site ID: 399547
Site Name: PHILLIPS 66 COMPANY, CARSON PLANT
Violation Date: 06-25-2020
Citation: 19 CCR 4.5 2762.8(c) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2762.8(c)
Violation Description: Failure to prepare a written report of the compliance audit that includes the scope, methods used, questions asked to assess each program element along with findings and recommendations of the compliance audit. Failure to ensure the written report also documents the qualifications of those persons performing the compliance audit. Failure to make the report available to employees and employee representatives, in accordance with section 2762.10. Failure to respond in writing within 60 calendar days to any written employee or employee representative comments on the written audit report.
Violation Notes: Returned to compliance on 10/15/2020. OBSERVATION: The owner or operator failed to include questions asked to assess each program element along with findings and recommendations in the compliance audit report. Review of the compliance audit report, dated October 9, 2018, revealed questions asked to assess each program element or questionnaire checklist were not included in the report. CORRECTIVE ACTION: Provide a written compliance audit report that includes questions asked to assess each program element.
Violation Division: Los Angeles County Fire Department
Violation Program: CalARP
Violation Source: CERS

Site ID: 399547
Site Name: PHILLIPS 66 COMPANY, CARSON PLANT
Violation Date: 06-25-2020

PHILLIPS 66 COMPANY, CARSON PLANT (Continued) **S103963019**

Citation:	19 CCR 4.5 2762.2(a) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2762.2(a)
Violation Description:	Failure to perform and document an effective PHA appropriate to the complexity of each process in order to identify, evaluate, and control hazards associated with each process. Failed to cover all modes of operation, as set forth in subsection 2762.3 (a)(1), in the PHA. Failed to determine and document the priority order for conducting PHAs based on the extent of process hazards, the number of potentially affected people, the age of the process and the process operating history.
Violation Notes:	Returned to compliance on 10/22/2020. OBSERVATION: The owner or operator failed to determine and document the priority order for conducting PHAs based on the extent of process hazards, the number of potentially affected people, the age of the process and the process operating history. The Los Angeles Refinery Policy and Procedure (LAR P & P) 4-1-37 Process Hazard Analyses (PHA) and Layer of Protection Analysis (LOPA) states the following: G The priority order for conducting PHAs can be based on the extent of process hazards, the number of potentially affected people, the age of the process and the process operating history. Los Angeles Refinery deems all processes to be equal in terms of potential for a process safety event and shall adhere to the previously established PHA scheduling.G CORRECTIVE ACTION: Determine and document the priority order for conducting PHAs based on the extent of process hazards, the number of potentially affected people, the age of the process and the process operating history. [Truncated]
Violation Division:	Los Angeles County Fire Department
Violation Program:	CalARP
Violation Source:	CERS
Site ID:	399547
Site Name:	PHILLIPS 66 COMPANY, CARSON PLANT
Violation Date:	06-25-2020
Citation:	19 CCR 4.5 2762.9(e) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2762.9(e)
Violation Description:	Failure to ensure the incident investigation team implement the owner or operator’s root cause analysis method to determine the underlying causes of the incident. Failure to ensure the analysis include identification of management system causes, including organizational and safety culture causes.
Violation Notes:	Returned to compliance on 10/22/2020. OBSERVATION: The owner/operator failed to implement its root cause analysis method to determine the underlying causes, management system causes, including organizational and safety culture causes of the Coker Fire incident on May 2, 2019. A review of the LAR P & P, 6-2-3, Incident Notification, Investigation and Reporting, revealed the following descriptions: G All incidents will be investigated to determine the root causes and identify action to prevent recurrenceG . Events with more serious consequences and/or complex causes will require a more formal investigation;G G A Category III Investigation Report requires description of incident causal factors, physical factors, human factors, latent causes, and attachments of the root cause analysis flowchart, pertinent photographs, and explanatory diagrams;G G Human Factors should answer the question: What Human actions were involved in the incident? Human Cause is the inappropriate human actions which affected the outcome that [Truncated]
Violation Division:	Los Angeles County Fire Department

PHILLIPS 66 COMPANY, CARSON PLANT (Continued) **S103963019**

Violation Program: CalARP
Violation Source: CERS

Evaluation:
Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 01-16-2019
Violations Found: Yes
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 05-01-2008
Violations Found: No
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 05-22-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: CalARP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 06-09-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: CalARP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-25-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Ed Becker, Health and Safety Manager
Eval Division: Los Angeles County Fire Department
Eval Program: CalARP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-25-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Ed Becker, Health and Safety Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

PHILLIPS 66 COMPANY, CARSON PLANT (Continued) **S103963019**

Eval General Type: Other/Unknown
Eval Date: 07-01-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-06-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Cheryl Cobb - Environmental Specialist No violations observed.
Eval Division: Los Angeles County Fire Department
Eval Program: CA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-06-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Cheryl Cobb - Environmental Specialist, gave consent for the inspection. No violations observed.
Eval Division: Los Angeles County Fire Department
Eval Program: HWLQG
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-06-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Cheryl Cobb - Environmental Specialist, gave conset for the inspection. No violations observed.
Eval Division: Los Angeles County Fire Department
Eval Program: APSA
Eval Source: CERS

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 07-21-2008
Violations Found: No
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-04-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Linda Cohu, Senior Process Safety Consultant
Eval Division: Los Angeles County Fire Department
Eval Program: CalARP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection

PHILLIPS 66 COMPANY, CARSON PLANT (Continued) **S103963019**

Eval Date:	08-04-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Linda Cohu, Senior Process Safety Consultant
Eval Division:	Los Angeles County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	08-06-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Los Angeles County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-07-2019
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Cheryl D. Cobb, Sr. Environmental Consultant
Eval Division:	Los Angeles County Fire Department
Eval Program:	APSA
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-07-2019
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Kevin Sandstead, Operations Manager Paul Fursey, Operations Manager John W Mathews, Senior Environmental Engineer Cheryl Cobb, Environmental Consultant
Eval Division:	Los Angeles County Fire Department
Eval Program:	CA
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-07-2019
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Kevin Sandstead, Operations Manager Paul Fursey, Operations Manager John W Mathews, Senior Environmental Engineer Cheryl Cobb, Environmental Consultant
Eval Division:	Los Angeles County Fire Department
Eval Program:	HWLQG
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-07-2019
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Kevin Sandstead, Operations Manager Paul Fursey, Operations Manager John W Mathews, Senior Environmental Engineer Cheryl Cobb, Environmental Consultant
Eval Division:	Los Angeles County Fire Department
Eval Program:	HWRecycler

PHILLIPS 66 COMPANY, CARSON PLANT (Continued) **S103963019**

Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-17-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Michael Lee, Process Safety Team Lead
Eval Division: Los Angeles County Fire Department
Eval Program: CalARP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-24-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Enforcement Action:
Site ID: 399547
Site Name: PHILLIPS 66 COMPANY, CARSON PLANT
Site Address: 1520 E SEPULVEDA BLVD
Site City: CARSON
Site Zip: 90745
Enf Action Date: 07-08-2020
Enf Action Type: AEO - Unified Program
Enf Action Description: Administrative Enforcement Order Based on the Unified Program Statute
Enf Action Notes: Fines/Penalties Assessed: $113,761.00. On multiple dates, commencing with March 26, 2019, HHMD Inspector Whitehead conducted a routine inspection and incident investigations at Phillips 66 Company Carson Plant. The inspector observed Class I and II violations. Notices of Violation were issued and an Administrative Enforcement case was initiated for the following violations: 19 CCR 4.5 Sections 2762.3(a), 2762.5(a), 2762.5(b), 2762.5(c), 2762.5(d), 2762.6(a), 2762.7(b), 2765.2(a), and HSC 6.95 25510(a). On August 13, 2020, company representatives appeared for the settlement conference. All parties mutually agreed to penalty and costs in the amount of $113,761.96.
Enf Action Division: Los Angeles County Fire Department
Enf Action Program: CalARP
Enf Action Source: CERS

Site ID: 399547
Site Name: PHILLIPS 66 COMPANY, CARSON PLANT
Site Address: 1520 E SEPULVEDA BLVD
Site City: CARSON
Site Zip: 90745
Enf Action Date: 07-08-2020
Enf Action Type: AEO - Unified Program
Enf Action Description: Administrative Enforcement Order Based on the Unified Program Statute
Enf Action Notes: Fines/Penalties Assessed: $113,761.00. On multiple dates, commencing with March 26, 2019, HHMD Inspector Whitehead conducted a routine inspection and incident investigations at Phillips 66 Company Carson Plant. The inspector observed Class I and II violations. Notices of Violation were issued and an Administrative Enforcement case was initiated for the following violations: 19 CCR 4.5 Sections 2762.3(a),

PHILLIPS 66 COMPANY, CARSON PLANT (Continued) **S103963019**

2762.5(a), 2762.5(b), 2762.5(c), 2762.5(d), 2762.6(a), 2762.7(b), 2765.2(a), and HSC 6.95 25510(a). On August 13, 2020, company representatives appeared for the settlement conference. All parties mutually agreed to penalty and costs in the amount of $113,761.96.

Enf Action Division: Los Angeles County Fire Department
Enf Action Program: HMRRP
Enf Action Source: CERS

Coordinates:
Site ID: 399547
Facility Name: PHILLIPS 66 COMPANY, CARSON PLANT
Env Int Type Code: APSA
Program ID: 10263874
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.804000
Longitude: -118.243610

Affiliation:
Affiliation Type Desc: Document Preparer
Entity Name: CHERYL COBB
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: PHILLIPS 66 COMPANY
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (310) 522-9300

Affiliation Type Desc: Environmental Contact
Entity Name: MICHAEL BECHTOL
Entity Title: Not reported
Affiliation Address: 1660 W ANAHEIM ST
Affiliation City: WILMINGTON
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90744
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: MICHAEL BECHTOL
Entity Title: MANAGER, ENVIRONMENTAL SERVICES
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported

PHILLIPS 66 COMPANY, CARSON PLANT (Continued) **S103963019**

Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	PHILLIPS 66 COMPANY
Entity Title:	Not reported
Affiliation Address:	1075 W SAM HOUSTON PARKWAY N SUITE 200
Affiliation City:	HOUSTON
Affiliation State:	TX
Affiliation Country:	United States
Affiliation Zip:	77043
Affiliation Phone:	(832) 765-3010
Affiliation Type Desc:	Onsite Treatment Unit Owner Operator
Entity Name:	MICHAEL BECHTOL
Entity Title:	MANAGER - ENVIRONMENTAL SERVICES
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Property Owner
Entity Name:	Phillips 66 Company
Entity Title:	Not reported
Affiliation Address:	1075 W SAM HOUSTON PARKWAY N SUITE 200
Affiliation City:	HOUSTON
Affiliation State:	TX
Affiliation Country:	United States
Affiliation Zip:	77043
Affiliation Phone:	(832) 765-3010
Affiliation Type Desc:	CUPA District
Entity Name:	Los Angeles County Fire
Entity Title:	Not reported
Affiliation Address:	5825 Rickenbacker Road
Affiliation City:	Commerce
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90040-3027
Affiliation Phone:	(323) 890-4000
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1660 W ANAHEIM ST
Affiliation City:	WILMINGTON
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90744
Affiliation Phone:	Not reported
Affiliation Type Desc:	Onsite Treatment Unit Owner Operator
Entity Name:	Al Cantu
Entity Title:	Supt, H&S Field Svcs & Emergency Response
Affiliation Address:	Not reported

PHILLIPS 66 COMPANY, CARSON PLANT (Continued) **S103963019**

Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Corporation
Entity Name: PHILLIPS 66 COMPANY - CARSON PLANT
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Name: CONOCOPHILLIPS LARC
Address: 1520 E SEPULVEDA BLVD
City,State,Zip: CARSON, CA 907450000
Site ID: 336325
CERS ID: 80001752
CERS Description: Corrective Action

Affiliation:
Affiliation Type Desc: Supervisor
Entity Name: * Unknown
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Name: PACIFIC PIPELINE SYS WILMINGTON STA
Address: 1520 E SEPULVEDA BLVD
City,State,Zip: CARSON, CA 90745
Site ID: 54808
CERS ID: 10291249
CERS Description: Chemical Storage Facilities

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-21-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Bill Senner - Env. & Regulatory Compliance, gave consent for the inspection. No violations observed.
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-21-2016
Violations Found: No
Eval Type: Routine done by local agency

PHILLIPS 66 COMPANY, CARSON PLANT (Continued) **S103963019**

Eval Notes:	Bill Senner - Env. & Regulatory Compliance, gave consent for the inspection. No violations observed.
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-19-2020
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Bill Senner, Sr. Environmental & Regulatory Compliance Specialist Tim Leuschem, Operator III
Eval Division:	Los Angeles County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-19-2020
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Bill Senner, Sr. Environmental & Regulatory Compliance Specialist Tim Leuschem, Operator III
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
Eval Source:	CERS

Coordinates:

Site ID:	54808
Facility Name:	PACIFIC PIPELINE SYS WILMINGTON STA
Env Int Type Code:	HWG
Program ID:	10291249
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	33.804000
Longitude:	-118.243610

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	Los Angeles County Fire
Entity Title:	Not reported
Affiliation Address:	5825 Rickenbacker Road
Affiliation City:	Commerce
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90040-3027
Affiliation Phone:	(323) 890-4000
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	5900 CHERRY AVE
Affiliation City:	LONG BEACH
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90805-4409
Affiliation Phone:	Not reported

PHILLIPS 66 COMPANY, CARSON PLANT (Continued) **S103963019**

Affiliation Type Desc:	Operator
Entity Name:	Wilmington Station
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(562) 728-2800

Affiliation Type Desc:	Identification Signer
Entity Name:	Sheryl Nguyen
Entity Title:	Compliance Specialist
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	PACIFIC PIPELINE SYSTEM LLC
Entity Title:	Not reported
Affiliation Address:	5900 CHERRY AVENUE
Affiliation City:	LONG BEACH
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90805
Affiliation Phone:	(562) 728-2800

Affiliation Type Desc:	Document Preparer
Entity Name:	Sheryl Nguyen
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Environmental Contact
Entity Name:	GLEN MEARS
Entity Title:	Not reported
Affiliation Address:	3600 Bowman Ct
Affiliation City:	Bakersfield
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93308
Affiliation Phone:	Not reported

Affiliation Type Desc:	Parent Corporation
Entity Name:	PWCT/PPS
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported

PHILLIPS 66 COMPANY, CARSON PLANT (Continued) **S103963019**

Affiliation Zip: Not reported
Affiliation Phone: Not reported

Name: PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT
Address: 1520 E SEPULVEDA BLVD
City,State,Zip: CARSON, CA 90745
Site ID: 107763
CERS ID: 90745NCLCR1520E
CERS Description: Toxic Release Inventory

Affiliation:
Affiliation Type Desc: Company Official
Entity Name: Jenny Kaufman
Entity Title: Environmental Specialist
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: 90745
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: AL CANTU
Entity Title: SUPT,H&S FIELD SVCS & EME
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: CHERYL COBB
Entity Title: ENVIRONMENTAL ENGINEER
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: KATHY L NORRIS
Entity Title: ENVIRONMENTAL SPECIALIST WASTE
Affiliation Address: POBOX 6004
Affiliation City: SANRAMON
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: MARSHALL G WALLER
Entity Title: ENVIRONMENTAL CONTACT
Affiliation Address: 1660 W ANAHEIM ST
Affiliation City: WILMINGTON
Affiliation State: CA

PHILLIPS 66 COMPANY, CARSON PLANT (Continued) **S103963019**

Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: MR SCOTT ZERGA
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: MICHAEL BECHTOL
Entity Title: MANAGER, HEALTH SAFETY & ENVIRONMENTAL
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: PHILLIPS 66
Entity Title: OPERATOR
Affiliation Address: 1660 W ANAHEIM ST
Affiliation City: WILMINGTON
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: DARIN L FIELDS
Entity Title: REFINERY MANAGER
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: SONDRA BIENVENU
Entity Title: Not reported
Affiliation Address: POBOX 4453
Affiliation City: HOUSTON
Affiliation State: TX
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Company
Entity Name: PHILLIPS 66 CO
Entity Title: Not reported

PHILLIPS 66 COMPANY, CARSON PLANT (Continued) **S103963019**

Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	90745
Affiliation Phone:	Not reported
Affiliation Type Desc:	Public Contact
Entity Name:	JANET GROTHE
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Public Contact
Entity Name:	KENNETH DAMI
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	90745
Affiliation Phone:	3109526028
Affiliation Type Desc:	Technical Contact
Entity Name:	Jenny Kaufman
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	90745
Affiliation Phone:	3109526084
Affiliation Type Desc:	Environmental Contact
Entity Name:	CHERYL COBB
Entity Title:	ENVIRONMENTAL ENGINEER
Affiliation Address:	1660 WEST ANAHEIM STREET
Affiliation City:	WILMINGTON
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	MRSHLL G WALLER
Entity Title:	DIRECTOR, ENVIRONMENTAL SERVICES
Affiliation Address:	1660 WEST ANAHEIM STREET
Affiliation City:	WILMINGTON
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

PHILLIPS 66 COMPANY, CARSON PLANT (Continued) **S103963019**

Affiliation Type Desc:	Facility Owner
Entity Name:	PHILLIPS 66
Entity Title:	OWNER
Affiliation Address:	1660 W ANAHEIM STREET
Affiliation City:	WILMINGTON
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

---

64 **MONSANTO CHEMICAL COMPANY** **RESPONSE** **S104404731**
NNW **2100 EAST 223RD STREET** **ENVIROSTOR** **N/A**
1/2-1 **CARSON, CA 90810** **Cortese**
0.795 mi. **HIST CORTESE**
4198 ft.

Relative: **Higher**
Actual: **24 ft.**

RESPONSE:

Name:	MONSANTO CHEMICAL COMPANY
Address:	2100 EAST 223RD STREET
City,State,Zip:	CARSON, CA 90810
Facility ID:	19281200
Site Type:	State Response
Site Type Detail:	State Response or NPL
Acres:	11
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Angela Turner
Supervisor:	Emad Yemut
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	400266
Site Mgmt. Req.:	NONE SPECIFIED
Assembly:	64
Senate:	35
Special Program Status:	Not reported
Status:	Active
Status Date:	04/23/1996
Restricted Use:	NO
Funding:	Responsible Party
Latitude:	33.82291
Longitude:	-118.2383
APN:	7315008030
Past Use:	MANUFACTURING - CHEMICALS
Potential COC :	* HALOGENATED SOLVENTS * HYDROCARBON SOLVENTS
Confirmed COC:	NONE SPECIFIED
Potential Description:	OTH, SOIL
Alias Name:	SOLUTIA
Alias Type:	Alternate Name
Alias Name:	7315008030
Alias Type:	APN
Alias Name:	110000749281
Alias Type:	EPA (FRS #)
Alias Name:	SLT43131129
Alias Type:	GeoTracker Global ID
Alias Name:	P43054
Alias Type:	PCode
Alias Name:	400266

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Alias Type: Project Code (Site Code)
Alias Name: 19281200
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/15/2019
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/17/2020
Comments: no exceptions noted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/17/2020
Comments: no exceptions noted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/19/2020
Comments: accepted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/15/2018
Comments: sd

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 07/15/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/06/2020
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 11/12/2019
Comments: Filed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/15/2020
Comments: no exceptions noted

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/28/2021
Comments: comments have been addressed satisfactorily and report is approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 06/11/2020
Comments: no exceptions noted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/17/2020
Comments: no exceptions noted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/17/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/31/2020
Comments: no exceptions noted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/21/2020
Comments: No exceptions noted. Report contains no new data as semiannual sampling is in 2nd and 4th quarters.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/17/2021
Comments: dtsc has no comments on the report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/01/2021
Comments: DTSC has no comments

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/11/2021
Comments: DTSC has no comments and approves the document as-is

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Completed Document Type: * Discovery
Completed Date: 02/09/1989
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 12/05/1990
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 03/07/1996
Comments: DTSC signed a Consent Order with the RPs.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 04/14/1995
Comments: The CEQA documents (Negative Declaration) and the Remedial Action Plan are approved following a 30-day public comment period. The recommended alternative includes the following elements: institutional controls; monitoring; excavation, in-situ and ex-situ bio-treatment, soil vapor extraction and bioventing of deep soils and shallow soils; thermal/catalytic oxidation of soil vapor; vacuum enhanced LNAPL recovery with total fluids pumps; recovered LNAPL disposal by a certified waste recycler or a permitted hazardous waste TSDF; groundwater remediation by air sparging within the SVE capture radius and plume of groundwater contamination; if necessary groundwater extraction and treatment with air stripping followed by GAC; and treated groundwater discharge to the sanitary sewer. Sparging would not be implemented until the LNAPL had been removed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 10/29/1993
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Cost Recovery Settlements/Decrees
Completed Date: 01/13/1999
Comments: Not reported

Completed Area Name: MONSANTO CHEMICAL COMPANY - Soil OU
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 06/29/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/21/2013
Comments: Annual Cost Estimate sent.

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 05/21/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 07/14/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/18/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/13/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/06/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/12/2016
Comments: Not reported

Completed Area Name: MONSANTO CHEMICAL COMPANY - Soil OU
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/19/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/18/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/11/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Completed Date: 06/13/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/11/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/12/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/12/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/31/2017
Comments: Not reported

Completed Area Name: MONSANTO CHEMICAL COMPANY - Soil OU
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/13/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/13/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Manual
Completed Date: 11/05/2017
Comments: No comments on the given document. DTSC concur with O&M.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/14/2016
Comments: FY 1617 Annual Oversight Cost Estimate completed and mailed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/09/2015
Comments: FY 1516 Annual Cost Estimate completed.

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/04/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/13/2018
Comments: FY 1819 Estimate: $43,558

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 01/09/2019
Comments: FY 1819 Revised Estimate: $55,169

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/24/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/03/2020
Comments: Annual Oversight Cost Estimate completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 05/11/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 01/28/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 04/30/1991
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 06/12/1989
Comments: Site Screening Done: RP in violation of DHS permit. RP prepared a Preliminary Assessment/Site Inspection report (submitted 09/88). Release of benzene and DCE to upper aquifer. Chemical dump site 1952-1965 not addressed. RP is negotiating with ICI (other RP).

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 01/11/1999
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 03/28/1997
Comments: Approval of Remedial Design Specifications document, with Addendum prepared by DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 04/14/1995
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 01/23/1995
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 11/01/2007
Comments: Workplan was reviewed by the new geologist and approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/13/2009
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 01/13/2009
Comments: Approved with the condition that they add the RTCs to the document.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Workplan
Completed Date: 08/05/2008
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 08/19/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Completed Document Type: Monitoring Report
Completed Date: 01/13/2009
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 10/28/2008
Comments: Approved with the stipulation that we get a revised WP in ASAP that shows the extra well we are requesting.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 09/03/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/25/2009
Comments: Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Well Installation Workplan
Completed Date: 08/19/2009
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 09/14/2010
Comments: This was replaced by another work plan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/25/2009
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 09/14/2010
Comments: Data from this report has been used for investigation and cleanup planning.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 09/06/2011
Comments: Completed & approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Completed Date: 10/12/2010
Comments: The revised Final Interim Remedial Action Work Plan appears to incorporate our previous comments relayed to Solutia on 9/15/10.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/31/2010
Comments: received

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/18/2011
Comments: Document received. Data will be used to make decisions regarding the cleanup of the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/17/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/17/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/12/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/26/2013
Comments: Monthly GW monitoring Report for September 2013

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/01/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/13/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/19/2010

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Comments: Received report on time.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 11/15/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/10/2010
Comments: received

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/10/2011
Comments: received

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/10/2011
Comments: received

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/10/2011
Comments: Received

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/10/2011
Comments: received

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/10/2011
Comments: received

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/10/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/10/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/11/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/06/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/12/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/10/2011
Comments: Receipt of report acknowledged.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 11/10/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/16/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/03/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/22/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/08/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/08/2012

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/14/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/11/2012
Comments: Monthly progress report for soil gas and groundwater, Septemeber 2012

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/17/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/25/2013
Comments: O/M - Routine GW monitoring report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/18/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/31/2012
Comments: Monthly Progress Report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/12/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/06/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/11/2013
Comments: Monthly Progress Report for month of March 2013

Completed Area Name: PROJECT WIDE

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/10/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/12/2013
Comments: Monthly Progress Report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/11/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/13/2013
Comments: Monthly Report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/26/2013
Comments: Monthly Progress Report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/26/2014
Comments: Routine monthly progress report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/11/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/13/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/17/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/16/2014

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Comments: Routine monthly progress report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/19/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/11/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/20/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/11/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/06/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/13/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 03/19/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 12/11/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 12/22/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 06/29/2012
Comments: No Further Action for Soil is Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/12/2013
Comments: GW monitoring report for August.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/14/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/14/2013
Comments: Addendum Report - Part of Monthly Monitoring Report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/19/2014
Comments: Not reported

Completed Area Name: MONSANTO CHEMICAL COMPANY - Soil OU
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 04/01/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 11/16/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/11/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/16/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/17/2018

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Comments: Conditionally approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/12/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/16/2018
Comments: Not reported

Completed Area Name: MONSANTO CHEMICAL COMPANY - Soil OU
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/11/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/15/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 11/13/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/11/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/11/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/18/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 01/22/2019
Comments: Not reported

Completed Area Name: MONSANTO CHEMICAL COMPANY - Soil OU

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/30/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Financial Assurance Documentation
Completed Date: 05/20/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/16/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/11/2019
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/11/2019
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Financial Assurance Documentation
Completed Date: 12/11/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/11/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/22/2017
Comments: Routine monthly report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/17/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/25/2017

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 11/13/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/12/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/11/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/13/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/25/2017
Comments: DTSC made a final comment.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Plan Amendment
Completed Date: 11/05/2017
Comments: DTSC concurs with this documents. Meeting with RP on 12/19 for further presentation on this project.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/27/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/27/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/14/2018
Comments: Not reported

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/15/2021
Comments: no exceptions noted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/20/2020
Comments: comments on groundwater monitoring program made in response to groundwater monitoring report, no additional comments

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/12/2021
Comments: PM and geologist have no comments, no exceptions noted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/15/2021
Comments: no exceptions noted

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2022
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

ENVIROSTOR:
Name: MONSANTO CHEMICAL COMPANY
Address: 2100 EAST 223RD STREET
City,State,Zip: CARSON, CA 90810
Facility ID: 19281200
Status: Active
Status Date: 04/23/1996
Site Code: 400266
Site Type: State Response
Site Type Detailed: State Response or NPL
Acres: 11
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Angela Turner
Supervisor: Emad Yemut
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 64
Senate: 35
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Funding: Responsible Party
Latitude: 33.82291
Longitude: -118.2383
APN: 7315008030
Past Use: MANUFACTURING - CHEMICALS
Potential COC: * HALOGENATED SOLVENTS * HYDROCARBON SOLVENTS
Confirmed COC: NONE SPECIFIED
Potential Description: OTH, SOIL
Alias Name: SOLUTIA
Alias Type: Alternate Name
Alias Name: 7315008030
Alias Type: APN
Alias Name: 110000749281
Alias Type: EPA (FRS #)
Alias Name: SLT43131129
Alias Type: GeoTracker Global ID
Alias Name: P43054
Alias Type: PCode
Alias Name: 400266
Alias Type: Project Code (Site Code)
Alias Name: 19281200
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/15/2019
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/17/2020
Comments: no exceptions noted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/17/2020
Comments: no exceptions noted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/19/2020
Comments: accepted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/15/2018
Comments: sd

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 07/15/2019

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/06/2020
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 11/12/2019
Comments: Filed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/15/2020
Comments: no exceptions noted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/28/2021
Comments: comments have been addressed satisfactorily and report is approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 06/11/2020
Comments: no exceptions noted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/17/2020
Comments: no exceptions noted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/17/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/31/2020
Comments: no exceptions noted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/21/2020
Comments: No exceptions noted. Report contains no new data as semiannual sampling is in 2nd and 4th quarters.

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/17/2021
Comments: dtsc has no comments on the report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/01/2021
Comments: DTSC has no comments

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/11/2021
Comments: DTSC has no comments and approves the document as-is

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 02/09/1989
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 12/05/1990
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 03/07/1996
Comments: DTSC signed a Consent Order with the RPs.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 04/14/1995
Comments: The CEQA documents (Negative Declaration) and the Remedial Action Plan are approved following a 30-day public comment period. The recommended alternative includes the following elements: institutional controls; monitoring; excavation, in-situ and ex-situ bio-treatment, soil vapor extraction and bioventing of deep soils and shallow soils; thermal/catalytic oxidation of soil vapor; vacuum enhanced LNAPL recovery with total fluids pumps; recovered LNAPL disposal by a certified waste recycler or a permitted hazardous waste TSDF; groundwater remediation by air sparging within the SVE capture radius and plume of groundwater contamination; if necessary groundwater extraction and treatment with air stripping followed by GAC; and treated groundwater discharge to the sanitary sewer. Sparging would not be implemented until the LNAPL had been removed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Completed Date: 10/29/1993
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Cost Recovery Settlements/Decrees
Completed Date: 01/13/1999
Comments: Not reported

Completed Area Name: MONSANTO CHEMICAL COMPANY - Soil OU
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 06/29/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/21/2013
Comments: Annual Cost Estimate sent.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 05/21/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 07/14/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/18/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/13/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/06/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/12/2016
Comments: Not reported

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Completed Area Name: MONSANTO CHEMICAL COMPANY - Soil OU
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/19/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/18/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/11/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/13/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/11/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/12/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/12/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/31/2017
Comments: Not reported

Completed Area Name: MONSANTO CHEMICAL COMPANY - Soil OU
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/13/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Completed Date: 06/13/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Manual
Completed Date: 11/05/2017
Comments: No comments on the given document. DTSC concur with O&M.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/14/2016
Comments: FY 1617 Annual Oversight Cost Estimate completed and mailed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/09/2015
Comments: FY 1516 Annual Cost Estimate completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/04/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/13/2018
Comments: FY 1819 Estimate: $43,558

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 01/09/2019
Comments: FY 1819 Revised Estimate: $55,169

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/24/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/03/2020
Comments: Annual Oversight Cost Estimate completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 05/11/2020
Comments: Not reported

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 01/28/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 04/30/1991
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 06/12/1989
Comments: Site Screening Done: RP in violation of DHS permit. RP prepared a Preliminary Assessment/Site Inspection report (submitted 09/88). Release of benzene and DCE to upper aquifer. Chemical dump site 1952-1965 not addressed. RP is negotiating with ICI (other RP).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 01/11/1999
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 03/28/1997
Comments: Approval of Remedial Design Specifications document, with Addendum prepared by DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 04/14/1995
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 01/23/1995
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 11/01/2007
Comments: Workplan was reviewed by the new geologist and approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/13/2009
Comments: Approved

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 01/13/2009
Comments: Approved with the condition that they add the RTCs to the document.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Workplan
Completed Date: 08/05/2008
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 08/19/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/13/2009
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 10/28/2008
Comments: Approved with the stipulation that we get a revised WP in ASAP that shows the extra well we are requesting.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 09/03/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/25/2009
Comments: Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Well Installation Workplan
Completed Date: 08/19/2009
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 09/14/2010
Comments: This was replaced by another work plan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Completed Document Type: Monitoring Report
Completed Date: 11/25/2009
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 09/14/2010
Comments: Data from this report has been used for investigation and cleanup planning.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 09/06/2011
Comments: Completed & approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 10/12/2010
Comments: The revised Final Interim Remedial Action Work Plan appears to incorporate our previous comments relayed to Solutia on 9/15/10.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/31/2010
Comments: received

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/18/2011
Comments: Document received. Data will be used to make decisions regarding the cleanup of the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/17/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/17/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/12/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Completed Document Type: Monitoring Report
Completed Date: 09/26/2013
Comments: Monthly GW monitoring Report for September 2013

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/01/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/13/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/19/2010
Comments: Received report on time.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 11/15/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/10/2010
Comments: received

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/10/2011
Comments: received

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/10/2011
Comments: received

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/10/2011
Comments: Received

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/10/2011
Comments: received

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/10/2011
Comments: received

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/10/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/10/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/11/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/06/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/12/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/10/2011
Comments: Receipt of report acknowledged.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 11/10/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/16/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Completed Date: 02/03/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/22/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/08/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/08/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/14/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/11/2012
Comments: Monthly progress report for soil gas and groundwater, Septemeber 2012

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/17/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/25/2013
Comments: O/M - Routine GW monitoring report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/18/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/31/2012
Comments: Monthly Progress Report

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/12/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/06/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/11/2013
Comments: Monthly Progress Report for month of March 2013

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/10/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/12/2013
Comments: Monthly Progress Report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/11/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/13/2013
Comments: Monthly Report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/26/2013
Comments: Monthly Progress Report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/26/2014
Comments: Routine monthly progress report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Completed Date: 03/11/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/13/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/17/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/16/2014
Comments: Routine monthly progress report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/19/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/11/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/20/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/11/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/06/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/13/2015
Comments: Not reported

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 03/19/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 12/11/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 12/22/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 06/29/2012
Comments: No Further Action for Soil is Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/12/2013
Comments: GW monitoring report for August.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/14/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/14/2013
Comments: Addendum Report - Part of Monthly Monitoring Report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/19/2014
Comments: Not reported

Completed Area Name: MONSANTO CHEMICAL COMPANY - Soil OU
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 04/01/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Completed Date: 11/16/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/11/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/16/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/17/2018
Comments: Conditionally approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/12/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/16/2018
Comments: Not reported

Completed Area Name: MONSANTO CHEMICAL COMPANY - Soil OU
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/11/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/15/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 11/13/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/11/2018
Comments: Not reported

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/11/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/18/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 01/22/2019
Comments: Not reported

Completed Area Name: MONSANTO CHEMICAL COMPANY - Soil OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/30/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Financial Assurance Documentation
Completed Date: 05/20/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/16/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/11/2019
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/11/2019
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Financial Assurance Documentation
Completed Date: 12/11/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Completed Date: 07/11/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/22/2017
Comments: Routine monthly report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/17/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/25/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 11/13/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/12/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/11/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/13/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/25/2017
Comments: DTSC made a final comment.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Plan Amendment
Completed Date: 11/05/2017
Comments: DTSC concurs with this documents. Meeting with RP on 12/19 for further presentation on this project.

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/27/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/27/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/14/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/15/2021
Comments: no exceptions noted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/20/2020
Comments: comments on groundwater monitoring program made in response to groundwater monitoring report, no additional comments

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/12/2021
Comments: PM and geologist have no comments, no exceptions noted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/15/2021
Comments: no exceptions noted

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2022
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

CORTESE:
Name: MONSANTO CHEMICAL COMPANY
Address: 2100 EAST 223RD STREET
City,State,Zip: CARSON, CA 90810

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Region:	CORTESE
Envirostor Id:	19281200
Global ID:	Not reported
Site/Facility Type:	STATE RESPONSE
Cleanup Status:	ACTIVE
Status Date:	04/23/1996
Site Code:	400266
Latitude:	33.822919
Longitude:	-118.23838
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	envirostor
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Haz Waste & Substances Sites

HIST CORTESE:

edr_fname:	MONSANTO CHEMICAL COMPANY
edr_fadd1:	2100 223RD
City,State,Zip:	CARSON, CA 90745
Region:	CORTESE
Facility County Code:	19
Reg By:	CALSI
Reg Id:	19281200

M65 **MANVILLE CORPORATION** **HIST Cal-Sites** **S100833315**
North **2420 EAST 223RD STREET** **CA BOND EXP. PLAN** **N/A**
1/2-1 **CARSON, CA 90810** **CERS**
0.852 mi.
4497 ft. **Site 1 of 2 in cluster M**

Relative:
Higher

Actual:
27 ft.

Calsite:

Name:	MANVILLE CORPORATION
Address:	2420 EAST 223RD STREET
City:	CARSON
Region:	CYPRESS
Facility ID:	19320001
Facility Type:	RP
Type:	RESPONSIBLE PARTY
Branch:	SB
Branch Name:	SO CAL - CYPRESS
File Name:	Not reported
State Senate District:	06291990
Status:	CERTIFIED OPERATION AND MAINTENANCE, ALL PLANNED ACTIVITIES IMPLEMENTED, REMEDIATION CONTINUES
Status Name:	CERTIFIED / OPERATION & MAINTENANCE
Lead Agency:	DEPT OF TOXIC SUBSTANCES CONTROL
NPL:	Not Listed
SIC Code:	32
SIC Name:	MANU - STONE, CLAY & GLASS PRODUCTS
Access:	Not reported

MANVILLE CORPORATION (Continued) **S100833315**

Cortese:	Not reported
Hazardous Ranking Score:	Not reported
Date Site Hazard Ranked:	Not reported
Groundwater Contamination:	Unknown
Staff Member Responsible for Site:	SSAYED
Supervisor Responsible for Site:	Not reported
Region Water Control Board:	Not reported
Region Water Control Board Name:	Not reported
Lat/Long Direction:	Not reported
Lat/Long (dms):	0 0 0 / 0 0 0
Lat/long Method:	Not reported
Lat/Long Description:	Not reported
State Assembly District Code:	55
State Senate District Code:	28
Facility ID:	19320001
Activity:	DISC
Activity Name:	DISCOVERY
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	02151981
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19320001
Activity:	RIFS
Activity Name:	REMEDIAL INVESTIGATION / FEASIBILITY STUDY
AWP Code:	CAP
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	05311989
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported

MANVILLE CORPORATION (Continued) **S100833315**

Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19320001
Activity:	RAP
Activity Name:	REMEDIAL ACTION PLAN / RECORD OF DECISION
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	07311989
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19320001
Activity:	CERT
Activity Name:	CERTIFICATION
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	06291990
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	1860
Liquids Treated (Gals):	0
Action Included Capping:	X
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	N
Activity Comments:	550,000 CUBIC YARDS CAPPED, 1,860 TONS REMOVED.
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19320001
Activity:	DEED
Activity Name:	DEED RESTRICTIONS
AWP Code:	Not reported

MANVILLE CORPORATION (Continued) **S100833315**

Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	07121990
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19320001
Activity:	DEED
Activity Name:	DEED RESTRICTIONS
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	12161991
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19320001
Activity:	OM
Activity Name:	OPERATION & MAINTENANCE
AWP Code:	1
Proposed Budget:	0
AWP Completion Date:	06301995
Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	M
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE

MANVILLE CORPORATION (Continued) **S100833315**

Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Alternate Address:	2420 EAST 223RD STREET
Alternate City,St,Zip:	CARSON, CA 90810
Background Info:	This 65-acre site was used from 1937 to 1982 to manufacture asbestos insulation products, cement and polyvinyl chloride pipe. Site has been certified. Contaminants were asbestos.
Comments Date:	01011983
Comments:	This is the date the site was first listed pursuant to
Comments Date:	01011983
Comments:	section 25356.
Comments Date:	01141991
Comments:	DHS received EPA Federal Investigation Team's Screening
Comments Date:	01141991
Comments:	Site Inspection Summary Report. EPA recommends NFA (3/22/90)
Comments Date:	02151981
Comments:	Facility identified via LA County Engineers files.
Comments Date:	02171981
Comments:	Facility Drive-by: Active facility.
Comments Date:	02241981
Comments:	Sent letter requesting information.
Comments Date:	04131981
Comments:	Records Search (RWQCB): Permit for non-process waters.
Comments Date:	04151982
Comments:	Records Search (LA County Engineering): Index 223, Permit
Comments Date:	04151982
Comments:	6087J current.
Comments Date:	05011989
Comments:	Remedial Investigation / Feasibility Study approved (capping
Comments Date:	05011989
Comments:	asbestos in two on-site cells).
Comments Date:	06191989
Comments:	Records Search: Site listed in 1989 Bond Expenditure Plan.
Comments Date:	06291990
Comments:	Certification of Remedial Action Plan (asbestos/underground
Comments Date:	06291990
Comments:	storage tanks) by DHS.
Comments Date:	07011989
Comments:	Remedial Action Plan approved by DHS.
Comments Date:	07011990
Comments:	PCE/TCE groundwater investigation pending.
Comments Date:	07121990
Comments:	The Department and Manville Sales Corporation entered into a
Comments Date:	07121990
Comments:	Consent Agreement on June 30, 1990 to restrict land use at
Comments Date:	07121990
Comments:	Manville site. This deed was recorded in Los Angeles County
Comments Date:	07121990

MANVILLE CORPORATION (Continued) **S100833315**

Comments:	Recorder on July 12, 1990.
Comments Date:	08181991
Comments:	Records Search: Site Certified in June 1990.
Comments Date:	09011989
Comments:	Asbestos remediation started.
Comments Date:	12161991
Comments:	Amended deed restriction recorded 12/03/91.
ID Name:	EPA IDENTIFICATION NUMBER
ID Value:	CAD060386596
ID Name:	BEP DATABASE PCODE
ID Value:	P41023
ID Name:	CALSTARS CODE
ID Value:	300089
Alternate Name:	JOHNS-MANVILLE CORPORATION
Alternate Name:	MANVILLE CORPORATION
Alternate Name:	JOHNS-MANVILLE, CARSON
Alternate Name:	Not reported
Special Programs Code:	Not reported
Special Programs Name:	Not reported

CA BOND EXP. PLAN:

Reponsible Party:	RESPONSIBLE PARTY LEAD SITE CLEANUP WORKPLAN
Project Revenue Source Company:	Not reported
Project Revenue Source Addr:	Not reported
Project Revenue Source City,St,Zip:	Not reported
Project Revenue Source Desc:	The responsible party has paid for all remediation activities to date and is expected to continue. The RP provided DHS with $50,000 advance funding for DHS' oversight and monitoring costs under the terms of the enforceable agreement signed in November, 1987. The $50,000 in advance funds have been spent. DHS has budgeted $50,000 for contractor assistance to DHS oversight/monitoring staff. DHS will recover 100 percent of direct costs plus staff costs related to the project.
Site Description:	This 65-acre site was used from 1937 to 1982 to manufacture asbestos insulation products, cement and polyvinyl chloride pipe. The site is currently vacant but contains spilled and buried asbestos waste.
Hazardous Waste Desc:	Numerous buried settling ponds and disposal pits which contain asbestos wastes exist throughout the site.
Threat To Public Health & Env:	The primary threat is human exposure to a release of asbestos fibers. To preclude direct contact with the substances, the site is fenced and secured 24 hours a day.
Site Activity Status:	Manville Corporation entered into an enforceable agreement with the Department in November, 1987 to conduct remedial investigation activities. A remedial investigation was conducted to define the nature and extent of contamination and to determine the type and extent of remedial measures necessary. A feasibility study was approved July, 1988. A draft RAP is under review by DHS and is expected to be final by January, 1989.

CERS:

Name:	MANVILLE CORPORATION
Address:	2420 EAST 223RD STREET
City,State,Zip:	CARSON, CA 90810
Site ID:	339679
CERS ID:	19320001
CERS Description:	State Response

Affiliation:

Affiliation Type Desc:	Lead Project Manager

MANVILLE CORPORATION (Continued) **S100833315**

Entity Name:	SAFOUH SAYED
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	CYPRESS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Supervisor
Entity Name:	ROBERT SENGA
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

M66 **MANVILLE PLANT** **RESPONSE** **S104406548**
North **2420 223RD ST E** **ENVIROSTOR** **N/A**
1/2-1 **CARSON, CA 90810** **LUST**
0.852 mi. **DEED**
4497 ft. **Site 2 of 2 in cluster M** **Cortese**
HIST CORTESE
Relative: **CERS**
Higher

Actual: **27 ft.**

RESPONSE:

Name:	MANVILLE CORPORATION
Address:	2420 EAST 223RD STREET
City,State,Zip:	CARSON, CA 90810
Facility ID:	19320001
Site Type:	State Response
Site Type Detail:	State Response or NPL
Acres:	16
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Safouh Sayed
Supervisor:	Patrick Hsieh
Division Branch:	Cleanup Cypress
Site Code:	300089
Site Mgmt. Req.:	ASP, DAY, ELD, HOS, LUC, FEN, EX, NUSE, SCH, FOOD, RES, ASP, DAY, ELD, HOS, LUC, FEN, EX, NUSE, SCH, FOOD, RES
Assembly:	64
Senate:	35
Special Program Status:	Not reported
Status:	Certified O&M - Land Use Restrictions Only
Status Date:	07/12/1990
Restricted Use:	YES
Funding:	Responsible Party
Latitude:	33.82424
Longitude:	-118.2341
APN:	NONE SPECIFIED
Past Use:	UNKNOWN
Potential COC :	Asbestos Containing Materials (ACM
Confirmed COC:	NONE SPECIFIED

MANVILLE PLANT (Continued) **S104406548**

Potential Description: SOIL
Alias Name: 19320001
Alias Type: Envirostor ID Number
Alias Name: JOHNS-MANVILLE CORPORATION
Alias Type: Alternate Name
Alias Name: JOHNS-MANVILLE, CARSON
Alias Type: Alternate Name
Alias Name: CAD060386596
Alias Type: EPA Identification Number
Alias Name: 110002652594
Alias Type: EPA (FRS #)
Alias Name: 110033608610
Alias Type: EPA (FRS #)
Alias Name: P41023
Alias Type: PCode
Alias Name: 300089
Alias Type: Project Code (Site Code)

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Amendment
Completed Date: 12/16/1991
Comments: Amended deed restriction recorded 12/03/91.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 07/12/1990
Comments: The Department and Manville Sales Corporation entered into a Consent Agreement on June 30, 1990 to restrict land use at Manville site. This deed was recorded in Los Angeles County Recorder on July 12, 1990.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 06/29/1990
Comments: Certification of Remedial Action Plan (asbestos/underground storage tanks) by DHS.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 02/15/1981
Comments: Facility identified via LA County Engineers files.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 12/04/2013
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/03/2014
Comments: Not reported

MANVILLE PLANT (Continued) **S104406548**

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Action Plan
Completed Date:	07/31/1989
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Investigation / Feasibility Study
Completed Date:	05/31/1989
Comments:	Not reported

Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

ENVIROSTOR:

Name:	MANVILLE CORPORATION
Address:	2420 EAST 223RD STREET
City,State,Zip:	CARSON, CA 90810
Facility ID:	19320001
Status:	Certified O&M - Land Use Restrictions Only
Status Date:	07/12/1990
Site Code:	300089
Site Type:	State Response
Site Type Detailed:	State Response or NPL
Acres:	16
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Safouh Sayed
Supervisor:	Patrick Hsieh
Division Branch:	Cleanup Cypress
Assembly:	64
Senate:	35
Special Program:	Not reported
Restricted Use:	YES
Site Mgmt Req:	ASP, DAY, ELD, HOS, LUC, FEN, EX, NUSE, SCH, FOOD, RES, ASP, DAY, ELD, HOS, LUC, FEN, EX, NUSE, SCH, FOOD, RES
Funding:	Responsible Party
Latitude:	33.82424
Longitude:	-118.2341
APN:	NONE SPECIFIED
Past Use:	UNKNOWN
Potential COC:	Asbestos Containing Materials (ACM
Confirmed COC:	NONE SPECIFIED
Potential Description:	SOIL
Alias Name:	19320001
Alias Type:	Envirostor ID Number
Alias Name:	JOHNS-MANVILLE CORPORATION
Alias Type:	Alternate Name

MANVILLE PLANT (Continued) **S104406548**

Alias Name: JOHNS-MANVILLE, CARSON
Alias Type: Alternate Name
Alias Name: CAD060386596
Alias Type: EPA Identification Number
Alias Name: 110002652594
Alias Type: EPA (FRS #)
Alias Name: 110033608610
Alias Type: EPA (FRS #)
Alias Name: P41023
Alias Type: PCode
Alias Name: 300089
Alias Type: Project Code (Site Code)

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Amendment
Completed Date: 12/16/1991
Comments: Amended deed restriction recorded 12/03/91.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 07/12/1990
Comments: The Department and Manville Sales Corporation entered into a Consent Agreement on June 30, 1990 to restrict land use at Manville site. This deed was recorded in Los Angeles County Recorder on July 12, 1990.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 06/29/1990
Comments: Certification of Remedial Action Plan (asbestos/underground storage tanks) by DHS.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 02/15/1981
Comments: Facility identified via LA County Engineers files.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 12/04/2013
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/03/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 07/31/1989

MANVILLE PLANT (Continued) **S104406548**

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 05/31/1989
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

LUST:
Name: MANVILLE PLANT
Address: 2420 223RD ST E
City,State,Zip: CARSON, CA 90810
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603702687
Global Id: T0603702687
Latitude: 33.8244487
Longitude: -118.2309273
Status: Completed - Case Closed
Status Date: 07/18/1996
Case Worker: YR
RB Case Number: I-00223
Local Agency: LOS ANGELES COUNTY
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0603702687
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

Global Id: T0603702687
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

MANVILLE PLANT (Continued) **S104406548**

LUST:
Global Id: T0603702687
Action Type: Other
Date: 06/29/1990
Action: Leak Discovery

Global Id: T0603702687
Action Type: Other
Date: 06/29/1990
Action: Leak Stopped

Global Id: T0603702687
Action Type: Other
Date: 07/25/1990
Action: Leak Reported

LUST:
Global Id: T0603702687
Status: Open - Case Begin Date
Status Date: 05/25/1990

Global Id: T0603702687
Status: Open - Site Assessment
Status Date: 05/25/1990

Global Id: T0603702687
Status: Open - Site Assessment
Status Date: 06/15/1990

Global Id: T0603702687
Status: Completed - Case Closed
Status Date: 07/18/1996

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: I-00223
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Excavate and Dispose
Global ID: T0603702687
W Global ID: Not reported
Staff: UNK
Local Agency: 19000
Cross Street: WILMINGTON AVE
Enforcement Type: Not reported
Date Leak Discovered: 6/29/1990
Date Leak First Reported: 7/25/1990
Date Leak Record Entered: 9/26/1990
Date Confirmation Began: Not reported
Date Leak Stopped: 6/29/1990

MANVILLE PLANT (Continued) **S104406548**

Date Case Last Changed on Database: 12/23/1996
Date the Case was Closed: 7/18/1996
How Leak Discovered: Tank Closure
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: CLUMPUS, MARVIN
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 1148.4783970301480426412314408
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: 5/25/1990
Pollution Characterization Began: 6/15/1990
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: MANVILLE SALES CORPORATION
RP Address: P.O. BOX 5108 DENVER, COLORADO, 80217
Program: LUST
Lat/Long: 33.8242963 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

DEED:
Name: MANVILLE CORPORATION
Address: 2420 EAST 223RD STREET
City,State,Zip: CARSON, CA 90810
Envirostor ID: 19320001
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: STATE RESPONSE
Status: CERTIFIED O&M - LAND USE RESTRICTIONS ONLY
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): 12/16/1991
File Name: Envirostor Land Use Restrictions

Name: MANVILLE CORPORATION
Address: 2420 EAST 223RD STREET
City,State,Zip: CARSON, CA 90810
Envirostor ID: 19320001
Area: PROJECT WIDE

MANVILLE PLANT (Continued) **S104406548**

Sub Area: Not reported
Site Type: STATE RESPONSE
Status: CERTIFIED O&M - LAND USE RESTRICTIONS ONLY
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): 07/12/1990
File Name: Envirostor Land Use Restrictions

CORTESE:

Name:	MANVILLE PLANT
Address:	2420 223RD ST E
City,State,Zip:	CARSON, CA 90810
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0603702687
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

HIST CORTESE:

edr_fname:	MANVILLE PLANT
edr_fadd1:	2420 223RD
City,State,Zip:	CARSON, CA 90745
Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	I-00223

CERS:

Name:	MANVILLE PLANT
Address:	2420 223RD ST E
City,State,Zip:	CARSON, CA 90810
Site ID:	204531
CERS ID:	T0603702687
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	320 W. 4TH ST., SUITE 200

MANVILLE PLANT (Continued) **S104406548**

Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	JOHN AWUJO - LOS ANGELES COUNTY
Entity Title:	Not reported
Affiliation Address:	900 S FREMONT AVE
Affiliation City:	ALHAMBRA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	6264583507

N67 **COONS TRUST PROPERTY** **ENVIROSTOR** **S107616202**
NNW **2254 E. 223RD STREET** **CPS-SLIC** **N/A**
1/2-1 **CARSON, CA 90810** **VCP**
0.853 mi. **DEED**
4504 ft. **Site 1 of 3 in cluster N** **CERS**

Relative: **Higher**
Actual: **24 ft.**

ENVIROSTOR:

Name:	COONS TRUST PROPERTY
Address:	2254 E. 223RD STREET
City,State,Zip:	CARSON, CA 90810
Facility ID:	70000172
Status:	Certified O&M - Land Use Restrictions Only
Status Date:	12/21/2005
Site Code:	401673
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	10
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Irena Edwards
Supervisor:	Eileen Mananian
Division Branch:	Cleanup Cypress
Assembly:	64
Senate:	35
Special Program:	Voluntary Cleanup Program
Restricted Use:	YES
Site Mgmt Req:	DAY, ELD, HOS, LUC, GW, NUSE, NDEV, NSUB, SCH, FOOD, RES
Funding:	Responsible Party
Latitude:	33.82426
Longitude:	-118.2350
APN:	7315007012, 7315007903
Past Use:	MANUFACTURING - CHEMICALS
Potential COC:	1,1,1-Trichloroethane (TCA Vinyl chloride
Confirmed COC:	1,1,1-Trichloroethane (TCA Vinyl chloride
Potential Description:	OTH, SOIL
Alias Name:	7315007012
Alias Type:	APN
Alias Name:	7315007903
Alias Type:	APN
Alias Name:	110033613613

COONS TRUST PROPERTY (Continued) **S107616202**

Alias Type: EPA (FRS #)
Alias Name: 401261
Alias Type: Project Code (Site Code)
Alias Name: 401673
Alias Type: Project Code (Site Code)
Alias Name: 70000172
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/14/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 12/21/2005
Comments: Land Use Restriction recorded with Los Angeles County on 12/21/2005.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 04/01/2011
Comments: Reminder letter sent for unpaid invoice balances.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 06/15/2010
Comments: Site inspection of Coons Trust Property took place on 6/15/2010.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/15/2005
Comments: Deed Restriction/Land use covenant was recorded. This is the final activity under the EOA.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Reimbursement Agreement
Completed Date: 06/29/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: LUR - Notification Response
Completed Date: 06/26/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/26/2013
Comments: Not reported

COONS TRUST PROPERTY (Continued) **S107616202**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 06/26/2014
Comments: Executed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/03/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 01/11/2018
Comments: Activity completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Reimbursement Agreement
Completed Date: 04/15/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/20/2015
Comments: Annual Cost Estimate completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/28/2016
Comments: FY 2016/2017 ACE completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 01/07/2019
Comments: Activity completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/22/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Reimbursement Agreement
Completed Date: 04/25/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate

COONS TRUST PROPERTY (Continued) **S107616202**

Completed Date: 11/06/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 02/03/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 06/26/2014
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 10/15/2014
Comments: Provided comments.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Well Decommissioning Workplan
Completed Date: 10/06/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/15/2014
Comments: Provided comments.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/04/2019
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

CPS-SLIC:
Name: CITY OF CARSON - SWAN PROPERTY
Address: 2254 E. 223RD ST
City,State,Zip: CARSON, CA 90745
Region: STATE
Facility Status: **Open - Inactive**
Status Date: 01/21/2015
Global Id: SLT43302300

COONS TRUST PROPERTY (Continued) **S107616202**

Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	33.824283
Longitude:	-118.23659
Case Type:	Cleanup Program Site
Case Worker:	AGH
Local Agency:	Not reported
RB Case Number:	0496C1
File Location:	Not reported
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

VCP:

Name:	COONS TRUST PROPERTY
Address:	2254 E. 223RD STREET
City,State,Zip:	CARSON, CA 90810
Facility ID:	70000172
Site Type:	Voluntary Cleanup
Site Type Detail:	Voluntary Cleanup
Site Mgmt. Req.:	DAY, ELD, HOS, LUC, GW, NUSE, NDEV, NSUB, SCH, FOOD, RES
Acres:	10
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Irena Edwards
Supervisor:	Eileen Mananian
Division Branch:	Cleanup Cypress
Site Code:	401673
Assembly:	64
Senate:	35
Special Programs Code:	Voluntary Cleanup Program
Status:	Certified O&M - Land Use Restrictions Only
Status Date:	12/21/2005
Restricted Use:	YES
Funding:	Responsible Party
Lat/Long:	33.82426 / -118.2350
APN:	7315007012, 7315007903
Past Use:	MANUFACTURING - CHEMICALS
Potential COC:	30026, 30028
Confirmed COC:	30026,30028
Potential Description:	OTH, SOIL
Alias Name:	7315007012
Alias Type:	APN
Alias Name:	7315007903
Alias Type:	APN
Alias Name:	110033613613
Alias Type:	EPA (FRS #)
Alias Name:	401261
Alias Type:	Project Code (Site Code)
Alias Name:	401673
Alias Type:	Project Code (Site Code)
Alias Name:	70000172
Alias Type:	Envirostor ID Number

COONS TRUST PROPERTY (Continued) **S107616202**

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	02/14/2005
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Land Use Restriction
Completed Date:	12/21/2005
Comments:	Land Use Restriction recorded with Los Angeles County on 12/21/2005.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Letter - Demand
Completed Date:	04/01/2011
Comments:	Reminder letter sent for unpaid invoice balances.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Land Use Restriction - Site Inspection/Visit
Completed Date:	06/15/2010
Comments:	Site inspection of Coons Trust Property took place on 6/15/2010.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	06/15/2005
Comments:	Deed Restriction/Land use covenant was recorded. This is the final activity under the EOA.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Reimbursement Agreement
Completed Date:	06/29/2017
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	LUR - Notification Response
Completed Date:	06/26/2014
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	11/26/2013
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	06/26/2014
Comments:	Executed
Completed Area Name:	PROJECT WIDE

COONS TRUST PROPERTY (Continued) **S107616202**

Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/03/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 01/11/2018
Comments: Activity completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Reimbursement Agreement
Completed Date: 04/15/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/20/2015
Comments: Annual Cost Estimate completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/28/2016
Comments: FY 2016/2017 ACE completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 01/07/2019
Comments: Activity completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/22/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Reimbursement Agreement
Completed Date: 04/25/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/06/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 02/03/2020

COONS TRUST PROPERTY (Continued) **S107616202**

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 06/26/2014
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 10/15/2014
Comments: Provided comments.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Well Decommissioning Workplan
Completed Date: 10/06/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/15/2014
Comments: Provided comments.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/04/2019
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

DEED:
Name: COONS TRUST PROPERTY
Address: 2254 E. 223RD STREET
City,State,Zip: CARSON, CA 90810
Envirostor ID: 70000172
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: VOLUNTARY CLEANUP
Status: CERTIFIED O&M - LAND USE RESTRICTIONS ONLY
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): 12/21/2005
File Name: Envirostor Land Use Restrictions

COONS TRUST PROPERTY (Continued) **S107616202**

CERS:
- Name: CITY OF CARSON - SWAN PROPERTY
- Address: 2254 E. 223RD ST
- City,State,Zip: CARSON, CA 90745
- Site ID: 226275
- CERS ID: SLT43302300
- CERS Description: Cleanup Program Site

Affiliation:
- Affiliation Type Desc: Regional Board Caseworker
- Entity Name: ARTHUR G. HEATH - LOS ANGELES RWQCB (REGION 4)
- Entity Title: Not reported
- Affiliation Address: 320 W. 4th Street, Suite
- Affiliation City: Los Angeles
- Affiliation State: CA
- Affiliation Country: Not reported
- Affiliation Zip: Not reported
- Affiliation Phone: 2135766725

N68
NNW
1/2-1
0.853 mi.
4504 ft.

Relative:
Higher

Actual:
24 ft.

STAUFFER MANAGEMENT COMPANY LLC
2112 EAST 223RD STREET
CARSON, CA 90745

Site 2 of 3 in cluster N

SEMS-ARCHIVE **1000424829**
CORRACTS **CAD076941103**
RCRA-TSDF
RCRA-LQG
ENVIROSTOR
CPS-SLIC
HIST Cal-Sites
HIST UST
2020 COR ACTION
HWP
CERS

SEMS Archive:
- Site ID: 0901593
- EPA ID: CAD076941103
- Name: STAUFFER CHEM CO
- Address: 2112 E 223RD ST
- Address 2: Not reported
- City,State,Zip: CARSON, CA 90745
- Cong District: 31
- FIPS Code: 06037
- FF: N
- NPL: Not on the NPL
- Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:
- Region: 09
- Site ID: 0901593
- EPA ID: CAD076941103
- Site Name: STAUFFER CHEM CO
- NPL: N
- FF: N
- OU: 00
- Action Code: VS
- Action Name: ARCH SITE
- SEQ: 1
- Start Date: Not reported
- Finish Date: 1987-09-01 04:00:00

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 09
Site ID: 0901593
EPA ID: CAD076941103
Site Name: STAUFFER CHEM CO
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: 1986-08-01 04:00:00
Finish Date: 1987-09-01 04:00:00
Qual: N
Current Action Lead: St Perf

Region: 09
Site ID: 0901593
EPA ID: CAD076941103
Site Name: STAUFFER CHEM CO
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1986-08-01 04:00:00
Finish Date: 1986-08-01 04:00:00
Qual: Not reported
Current Action Lead: St Perf

CORRACTS:
Name: STAUFFER MANAGEMENT COMPANY LLC
Address: 2112 EAST 223RD STREET
Address 2: Not reported
EPA ID: CAD076941103
Area Name: ENTIRE FACILITY
Corrective Action: RFA COMPLETED
Actual Date: 00:00.0
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: STAUFFER MANAGEMENT COMPANY LLC
Address: 2112 EAST 223RD STREET
Address 2: Not reported
EPA ID: CAD076941103
Area Name: ENTIRE FACILITY
Corrective Action: DETERMINATION OF NEED FOR AN INVESTIGATION-INVESTIGATION IS NECESSARY
Actual Date: 00:00.0
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

Surface Water Release Indicator: Not reported

Name: STAUFFER MANAGEMENT COMPANY LLC
Address: 2112 EAST 223RD STREET
Address 2: Not reported
EPA ID: CAD076941103
Area Name: SOILS
Corrective Action: INVESTIGATION WORKPLAN APPROVED
Actual Date: 00:00.0
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: STAUFFER MANAGEMENT COMPANY LLC
Address: 2112 EAST 223RD STREET
Address 2: Not reported
EPA ID: CAD076941103
Area Name: SOILS
Corrective Action: INVESTIGATION COMPLETE
Actual Date: 00:00.0
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: STAUFFER MANAGEMENT COMPANY LLC
Address: 2112 EAST 223RD STREET
Address 2: Not reported
EPA ID: CAD076941103
Area Name: SOILS
Corrective Action: CMS WORKPLAN APPROVED
Actual Date: 00:00.0
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: STAUFFER MANAGEMENT COMPANY LLC
Address: 2112 EAST 223RD STREET
Address 2: Not reported
EPA ID: CAD076941103
Area Name: SOILS
Corrective Action: CMS COMPLETE
Actual Date: 00:00.0
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: STAUFFER MANAGEMENT COMPANY LLC
Address: 2112 EAST 223RD STREET
Address 2: Not reported
EPA ID: CAD076941103
Area Name: SOILS
Corrective Action: CMI WORKPLAN APPROVED
Actual Date: 00:00.0

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: STAUFFER MANAGEMENT COMPANY LLC
Address: 2112 EAST 223RD STREET
Address 2: Not reported
EPA ID: CAD076941103
Area Name: ENTIRE FACILITY
Corrective Action: REMEDY CONSTRUCTION-REMEDY CONSTRUCTED
Actual Date: 00:00.0
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: STAUFFER MANAGEMENT COMPANY LLC
Address: 2112 EAST 223RD STREET
Address 2: Not reported
EPA ID: CAD076941103
Area Name: ENTIRE FACILITY
Corrective Action: HUMAN EXPOSURES CONTROLLED DETERMINATION-MORE INFORMATION NEEDED
Actual Date: 00:00.0
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: STAUFFER MANAGEMENT COMPANY LLC
Address: 2112 EAST 223RD STREET
Address 2: Not reported
EPA ID: CAD076941103
Area Name: ENTIRE FACILITY
Corrective Action: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Actual Date: 00:00.0
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: STAUFFER MANAGEMENT COMPANY LLC
Address: 2112 EAST 223RD STREET
Address 2: Not reported
EPA ID: CAD076941103
Area Name: ENTIRE FACILITY
Corrective Action: RELEASE TO GW CONTROLLED DETERMINATION-FACILITY DOES NOT MEET DEFINITION
Actual Date: 00:00.0
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

Click this hyperlink while viewing on your computer to access
2 additional CORRACTS: record(s) in the EDR Site Report.

RCRA-LQG:

Date Form Received by Agency:	2012-09-12 00:00:00.0
Handler Name:	STAUFFER MANAGEMENT COMPANY LLC
Handler Address:	2112 EAST 223RD STREET
Handler City,State,Zip:	CARSON, CA 90745
EPA ID:	CAD076941103
Contact Name:	CHARLES ELMENDORF
Contact Address:	CONCORD PIKE, PO BOX 15437
Contact City,State,Zip:	WILMINGTON, DE 19850-5437
Contact Telephone:	302-885-7048
Contact Fax:	302-885-7048
Contact Email:	Not reported
Contact Title:	ENV DIRECTOR
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	2011
Accessibility:	Not reported
Active Site Indicator:	Handler Activities, Corrective Action Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	CONCORD PIKE, PO BOX 15437
Mailing City,State,Zip:	WILMINGTON, DE 19850
Owner Name:	STAUFFER MANAGEMENT COMPANY LLC
Owner Type:	Private
Operator Name:	STAUFFER MANAGEMENT COMPANY LLC
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Incineration, Storage, Treatment
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

Permit Progress Universe:	Incineration, Storage, Treatment
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	Yes
Corrective Action Workload Universe:	Yes
Subject to Corrective Action Universe:	Yes
Non-TSDFs Where RCRA CA has Been Imposed Universe:	Yes
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	Yes
Groundwater Controls Indicator:	Yes
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2012-11-06 13:57:46.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2011

Click Here for Biennial Reporting System Data:
Year: 2009

Click Here for Biennial Reporting System Data:
Year: 2007

Click Here for Biennial Reporting System Data:
Year: 2005

Click Here for Biennial Reporting System Data:
Year: 2001

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D002
Waste Description: CORROSIVE WASTE

Waste Code: D028
Waste Description: 1,2-DICHLOROETHANE

Waste Code: D040
Waste Description: TRICHLORETHYLENE

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

Waste Code: D043
Waste Description: VINYL CHLORIDE

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	STAUFFER MANAGEMENT COMPANY LLC
Legal Status:	Private
Date Became Current:	2000-12-08 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	STAUFFER MANAGEMENT COMPANY LLC
Legal Status:	Private
Date Became Current:	2000-12-08 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	1800 CONCORD PIKE
Owner/Operator City,State,Zip:	WILMINGTON, DE 19850-5437
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	STAUFFER MANAGEMENT COMPANY LLC
Legal Status:	Private
Date Became Current:	2000-12-08 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	STAUFFER MANAGEMENT COMPANY LLC
Legal Status:	Private
Date Became Current:	2000-12-08 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	1800 CONCORD PIKE, NW3-157, PO BOX
Owner/Operator City,State,Zip:	WILMINGTON, DE 19850-5437
Owner/Operator Telephone:	302-886-5123
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	STAUFFER MANAGEMENT COMPANY LLC
Legal Status:	Private
Date Became Current:	1959-01-01 00:00:00.
Date Ended Current:	Not reported

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

Owner/Operator Address:	1800 CONCORD PIKE, PO BOX 15437
Owner/Operator City,State,Zip:	WILMINGTON, DE 19850
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	STAUFFER CHEMICAL COMPANY
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NYALA FARM ROAD
Owner/Operator City,State,Zip:	WESTPORT, CT 06880
Owner/Operator Telephone:	203-222-3000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	STAUFFER MANAGEMENT COMPANY LLC
Legal Status:	Private
Date Became Current:	2000-12-08 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	P.O. BOX 15437
Owner/Operator City,State,Zip:	WILMINGTON, DE 19850
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	STAUFFER MANAGEMENT COMPANY LLC
Legal Status:	Private
Date Became Current:	2000-12-08 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	STAUFFER CHEMICAL COMPANY
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NYALA FARM ROAD
Owner/Operator City,State,Zip:	CITY NOT REPORTED, CT 99999
Owner/Operator Telephone:	203-222-3000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	STAUFFER MANAGEMENT COMPANY LLC

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

Legal Status:	Private
Date Became Current:	1959-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	1800 CONCORD PIKE, PO BOX 15437
Owner/Operator City,State,Zip:	WILMINGTON, DE 19850
Owner/Operator Telephone:	302-885-7048
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	STAUFFER MANAGEMENT COMPANY LLC
Legal Status:	Private
Date Became Current:	2000-12-08 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	P.O. BOX 15437
Owner/Operator City,State,Zip:	WILMINGTON, DE 19850
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	STAUFFER MANAGEMENT COMPANY LLC
Legal Status:	Private
Date Became Current:	2000-12-08 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2010-05-19 00:00:00.0
Handler Name:	STAUFFER MANAGEMENT COMPANY LLC
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	2012-09-12 00:00:00.0
Handler Name:	STAUFFER MANAGEMENT COMPANY LLC
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	1996-09-01 00:00:00.0
Handler Name:	STAUFFER CHEM CO PLASTICS DIV
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	2006-02-23 00:00:00.0
Handler Name:	STAUFFER MANAGEMENT COMPANY LLC
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	1980-08-15 00:00:00.0
Handler Name:	STAUFFER CHEM CO PLASTICS DIV
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	1999-04-15 00:00:00.0
Handler Name:	STAUFFER MANAGEMENT COMPANY
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	2000-10-12 00:00:00.0

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

Handler Name: STAUFFER MANAGEMENT COMPANY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2002-02-25 00:00:00.0
Handler Name: STAUFFER MNGMT CO LLC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2006-02-23 00:00:00.0
Handler Name: STAUFFER MANAGEMENT COMPANY LLC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2008-02-19 00:00:00.0
Handler Name: STAUFFER MANAGEMENT COMPANY LLC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 32511
NAICS Description: PETROCHEMICAL MANUFACTURING

NAICS Code: 325188
NAICS Description: ALL OTHER BASIC INORGANIC CHEMICAL MANUFACTURING

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

NAICS Code: 325199
NAICS Description: ALL OTHER BASIC ORGANIC CHEMICAL MANUFACTURING

NAICS Code: 325211
NAICS Description: PLASTICS MATERIAL AND RESIN MANUFACTURING

NAICS Code: 325212
NAICS Description: SYNTHETIC RUBBER MANUFACTURING

NAICS Code: 42269
NAICS Description: OTHER CHEMICAL AND ALLIED PRODUCTS WHOLESALERS

Facility Has Received Notices of Violation:

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	LDR - General
Date Violation was Determined:	1991-06-25 00:00:00.0
Actual Return to Compliance Date:	1991-06-25 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	003
Date of Enforcement Action:	1991-12-17 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	300
Final Monetary Amount:	300
Paid Amount:	Not reported
Final Count:	1
Final Amount:	300
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	LDR - General
Date Violation was Determined:	1991-06-25 00:00:00.0
Actual Return to Compliance Date:	1991-06-25 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	003
Date of Enforcement Action:	1991-12-17 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	300
Final Monetary Amount:	300
Paid Amount:	Not reported
Final Count:	1
Final Amount:	300
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	1991-06-25 00:00:00.0
Actual Return to Compliance Date:	1991-06-25 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	003
Date of Enforcement Action:	1991-12-17 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	300
Final Monetary Amount:	300
Paid Amount:	Not reported
Final Count:	1
Final Amount:	300
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	1987-03-31 00:00:00.0
Actual Return to Compliance Date:	1987-09-14 00:00:00.0
Return to Compliance Qualifier:	Observed

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 1987-04-01 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 1987-03-31 00:00:00.0
Actual Return to Compliance Date: 1987-09-14 00:00:00.0
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 002
Date of Enforcement Action: 1987-05-28 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:
Evaluation Date: 1987-09-30 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 2000-08-04 00:00:00.0
Evaluation Responsible Agency: EPA
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: CSEIT
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 1991-06-28 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 1991-06-25 00:00:00.0
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 1991-06-28 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1991-06-25 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1989-03-21 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1989-03-17 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1991-06-28 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1991-06-25 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1987-03-31 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	NON-FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1987-09-14 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1987-03-31 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	NON-FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1987-09-14 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

RCRA-LQG:

Date Form Received by Agency:	2012-09-12 00:00:00.0
Handler Name:	STAUFFER MANAGEMENT COMPANY LLC
Handler Address:	2112 EAST 223RD STREET
Handler City,State,Zip:	CARSON, CA 90745
EPA ID:	CAD076941103
Contact Name:	CHARLES ELMENDORF
Contact Address:	CONCORD PIKE, PO BOX 15437
Contact City,State,Zip:	WILMINGTON, DE 19850-5437
Contact Telephone:	302-885-7048
Contact Fax:	302-885-7048
Contact Email:	Not reported
Contact Title:	ENV DIRECTOR
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	2011
Accessibility:	Not reported
Active Site Indicator:	Handler Activities, Corrective Action Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	CONCORD PIKE, PO BOX 15437
Mailing City,State,Zip:	WILMINGTON, DE 19850
Owner Name:	STAUFFER MANAGEMENT COMPANY LLC
Owner Type:	Private
Operator Name:	STAUFFER MANAGEMENT COMPANY LLC
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Incineration, Storage, Treatment
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Incineration, Storage, Treatment
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

202 GPRA Corrective Action Baseline:	Yes
Corrective Action Workload Universe:	Yes
Subject to Corrective Action Universe:	Yes
Non-TSDFs Where RCRA CA has Been Imposed Universe:	Yes
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	Yes
Groundwater Controls Indicator:	Yes
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2012-11-06 13:57:46.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2011

Click Here for Biennial Reporting System Data:
Year: 2009

Click Here for Biennial Reporting System Data:
Year: 2007

Click Here for Biennial Reporting System Data:
Year: 2005

Click Here for Biennial Reporting System Data:
Year: 2001

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D002
Waste Description: CORROSIVE WASTE

Waste Code: D028
Waste Description: 1,2-DICHLOROETHANE

Waste Code: D040
Waste Description: TRICHLORETHYLENE

Waste Code: D043
Waste Description: VINYL CHLORIDE

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	STAUFFER MANAGEMENT COMPANY LLC
Legal Status:	Private
Date Became Current:	2000-12-08 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	STAUFFER MANAGEMENT COMPANY LLC
Legal Status:	Private
Date Became Current:	2000-12-08 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	1800 CONCORD PIKE
Owner/Operator City,State,Zip:	WILMINGTON, DE 19850-5437
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	STAUFFER MANAGEMENT COMPANY LLC
Legal Status:	Private
Date Became Current:	2000-12-08 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	STAUFFER MANAGEMENT COMPANY LLC
Legal Status:	Private
Date Became Current:	2000-12-08 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	1800 CONCORD PIKE, NW3-157, PO BOX
Owner/Operator City,State,Zip:	WILMINGTON, DE 19850-5437
Owner/Operator Telephone:	302-886-5123
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	STAUFFER MANAGEMENT COMPANY LLC
Legal Status:	Private
Date Became Current:	1959-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	1800 CONCORD PIKE, PO BOX 15437
Owner/Operator City,State,Zip:	WILMINGTON, DE 19850
Owner/Operator Telephone:	Not reported

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	STAUFFER CHEMICAL COMPANY
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NYALA FARM ROAD
Owner/Operator City,State,Zip:	WESTPORT, CT 06880
Owner/Operator Telephone:	203-222-3000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	STAUFFER MANAGEMENT COMPANY LLC
Legal Status:	Private
Date Became Current:	2000-12-08 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	P.O. BOX 15437
Owner/Operator City,State,Zip:	WILMINGTON, DE 19850
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	STAUFFER MANAGEMENT COMPANY LLC
Legal Status:	Private
Date Became Current:	2000-12-08 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	STAUFFER CHEMICAL COMPANY
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NYALA FARM ROAD
Owner/Operator City,State,Zip:	CITY NOT REPORTED, CT 99999
Owner/Operator Telephone:	203-222-3000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	STAUFFER MANAGEMENT COMPANY LLC
Legal Status:	Private
Date Became Current:	1959-01-01 00:00:00.
Date Ended Current:	Not reported

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

Owner/Operator Address:	1800 CONCORD PIKE, PO BOX 15437
Owner/Operator City,State,Zip:	WILMINGTON, DE 19850
Owner/Operator Telephone:	302-885-7048
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	STAUFFER MANAGEMENT COMPANY LLC
Legal Status:	Private
Date Became Current:	2000-12-08 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	P.O. BOX 15437
Owner/Operator City,State,Zip:	WILMINGTON, DE 19850
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	STAUFFER MANAGEMENT COMPANY LLC
Legal Status:	Private
Date Became Current:	2000-12-08 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2010-05-19 00:00:00.0
Handler Name:	STAUFFER MANAGEMENT COMPANY LLC
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	2012-09-12 00:00:00.0
Handler Name:	STAUFFER MANAGEMENT COMPANY LLC
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

Receive Date:	1996-09-01 00:00:00.0
Handler Name:	STAUFFER CHEM CO PLASTICS DIV
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	2006-02-23 00:00:00.0
Handler Name:	STAUFFER MANAGEMENT COMPANY LLC
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	1980-08-15 00:00:00.0
Handler Name:	STAUFFER CHEM CO PLASTICS DIV
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	1999-04-15 00:00:00.0
Handler Name:	STAUFFER MANAGEMENT COMPANY
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	2000-10-12 00:00:00.0
Handler Name:	STAUFFER MANAGEMENT COMPANY
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2002-02-25 00:00:00.0
Handler Name: STAUFFER MNGMT CO LLC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2006-02-23 00:00:00.0
Handler Name: STAUFFER MANAGEMENT COMPANY LLC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2008-02-19 00:00:00.0
Handler Name: STAUFFER MANAGEMENT COMPANY LLC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 32511
NAICS Description: PETROCHEMICAL MANUFACTURING

NAICS Code: 325188
NAICS Description: ALL OTHER BASIC INORGANIC CHEMICAL MANUFACTURING

NAICS Code: 325199
NAICS Description: ALL OTHER BASIC ORGANIC CHEMICAL MANUFACTURING

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

NAICS Code: 325211
NAICS Description: PLASTICS MATERIAL AND RESIN MANUFACTURING

NAICS Code: 325212
NAICS Description: SYNTHETIC RUBBER MANUFACTURING

NAICS Code: 42269
NAICS Description: OTHER CHEMICAL AND ALLIED PRODUCTS WHOLESALERS

Facility Has Received Notices of Violation:

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: LDR - General
Date Violation was Determined: 1991-06-25 00:00:00.0
Actual Return to Compliance Date: 1991-06-25 00:00:00.0
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 003
Date of Enforcement Action: 1991-12-17 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 300
Final Monetary Amount: 300
Paid Amount: Not reported
Final Count: 1
Final Amount: 300

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: LDR - General
Date Violation was Determined: 1991-06-25 00:00:00.0
Actual Return to Compliance Date: 1991-06-25 00:00:00.0
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 003
Date of Enforcement Action: 1991-12-17 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 300
Final Monetary Amount: 300
Paid Amount: Not reported
Final Count: 1
Final Amount: 300

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 1991-06-25 00:00:00.0
Actual Return to Compliance Date: 1991-06-25 00:00:00.0
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 003
Date of Enforcement Action: 1991-12-17 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 300
Final Monetary Amount: 300
Paid Amount: Not reported
Final Count: 1
Final Amount: 300

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 1987-03-31 00:00:00.0
Actual Return to Compliance Date: 1987-09-14 00:00:00.0
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

Date of Enforcement Action: 1987-04-01 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 1987-03-31 00:00:00.0
Actual Return to Compliance Date: 1987-09-14 00:00:00.0
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 002
Date of Enforcement Action: 1987-05-28 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Evaluation Action Summary:

Evaluation Date:	1987-09-30 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2000-08-04 00:00:00.0
Evaluation Responsible Agency:	EPA
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	CSEIT
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1991-06-28 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1991-06-25 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1991-06-28 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1991-06-25 00:00:00.0

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1989-03-21 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1989-03-17 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1991-06-28 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1991-06-25 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1987-03-31 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	NON-FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1987-09-14 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

Evaluation Date:	1987-03-31 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	NON-FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1987-09-14 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

ENVIROSTOR:

Name:	STAUFFER MANAGEMENT COMPANY LLC
Address:	2112 E 223RD ST
City,State,Zip:	CARSON, CA 907450000
Facility ID:	80001681
Status:	Inactive - Needs Evaluation
Status Date:	11/01/2018
Site Code:	Not reported
Site Type:	Corrective Action
Site Type Detailed:	Corrective Action
Acres:	0
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	MBR
Program Manager:	Not reported
Supervisor:	* Unknown
Division Branch:	Cleanup Chatsworth
Assembly:	64
Senate:	35
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.82332
Longitude:	-118.2345
APN:	7315008049
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	7315008049
Alias Type:	APN
Alias Name:	CAD076941103
Alias Type:	EPA Identification Number
Alias Name:	19280083
Alias Type:	Envirostor ID Number
Alias Name:	80001681
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Interim Measures Questionnaire
Completed Date:	05/17/1994
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	RCRA Facility Assessment Report
Completed Date:	11/30/1998
Comments:	THE ANALOGOUS REVIEW TEAM CONCLUDED THAT THE 1982 AND 1986 SITE INVESTIGATIONS IN CONJUNCTION WITH THE 1995 RI CONSTITUTE AN ANALOGOUS RFA. RSARACINO 19980601.15:05S
Completed Area Name:	Sites With No Operable Unit
Completed Sub Area Name:	SOILS
Completed Document Type:	Remedy Selection and Statement of Basis

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

Completed Date: 06/25/1997
Comments: Remedial Action Plan approved per Site Mit database

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 07/27/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled
Completed Date: 06/01/1998
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Construction Complete
Completed Date: 01/01/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Human Exposure Controlled
Completed Date: 06/01/1998
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled
Completed Date: 04/16/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Human Exposure Controlled
Completed Date: 05/14/2008
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: SOILS
Completed Document Type: RFI Report
Completed Date: 07/16/1996
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: SOILS
Completed Document Type: RFI Workplan
Completed Date: 03/01/1995
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 09/01/1987
Comments: Not reported

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: SOILS
Completed Document Type: Corrective Measures Study Report
Completed Date: 01/30/1997
Comments: This is RI/FS Per Site Mit database

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: SOILS
Completed Document Type: Corrective Measures Study Workplan
Completed Date: 01/30/1997
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: SOILS
Completed Document Type: Corrective Measure Implementation Workplan
Completed Date: 12/31/1997
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: SOILS
Completed Document Type: Design/Implementation Workplan
Completed Date: 12/31/1997
Comments: Remedial Design and Implementation Plan Approved per Site Mit database.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 07/31/1987
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

CPS-SLIC:
Name: CITY OF CARSON - ATKEMIX THIRTY SEVEN INC.
Address: 2112 E. 223RD ST
City,State,Zip: CARSON, CA 90745
Region: STATE
Facility Status: **Open - Inactive**
Status Date: 01/30/2015
Global Id: SLT43298296
Lead Agency: DEPARTMENT OF TOXIC SUBSTANCES CONTROL
Lead Agency Case Number: 80001681
Latitude: 33.824283
Longitude: -118.23659
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 0496B6

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

File Location: Not reported
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Calsite:
Name: STAUFFER CHEMICAL, CARSON
Address: 2112 EAST 223RD STREET
City: CARSON
Region: CYPRESS
Facility ID: 19280083
Facility Type: RP
Type: RESPONSIBLE PARTY
Branch: SB
Branch Name: SO CAL - CYPRESS
File Name: Not reported
State Senate District: 04251996
Status: ANNUAL WORKPLAN (AWP) - ACTIVE SITE
Status Name: ANNUAL WORKPLAN - ACTIVE SITE
Lead Agency: DEPT OF TOXIC SUBSTANCES CONTROL
NPL: Not Listed
SIC Code: 28
SIC Name: MANU - CHEMICALS & ALLIED PRODUCTS
Access: Not reported
Cortese: Not reported
Hazardous Ranking Score: Not reported
Date Site Hazard Ranked: Not reported
Groundwater Contamination: Not reported
Staff Member Responsible for Site: JSPISZMA
Supervisor Responsible for Site: Not reported
Region Water Control Board: LA
Region Water Control Board Name: LOS ANGELES
Lat/Long Direction: Not reported
Lat/Long (dms): 0 0 0 / 0 0 0
Lat/long Method: Not reported
Lat/Long Description: Not reported
State Assembly District Code: 55
State Senate District Code: 28
Facility ID: 19280083
Activity: DISC
Activity Name: DISCOVERY
AWP Code: Not reported
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 03161981
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19280083
Activity:	ORDER
Activity Name:	I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code:	ISE
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	06271994
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19280083
Activity:	RIFS
Activity Name:	REMEDIAL INVESTIGATION / FEASIBILITY STUDY
AWP Code:	SOIL
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	01301997
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19280083
Activity:	RAP

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

Activity Name:	REMEDIAL ACTION PLAN / RECORD OF DECISION
AWP Code:	SOIL
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	06251997
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19280083
Activity:	DES
Activity Name:	DESIGN
AWP Code:	SOIL
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	12311997
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19280083
Activity:	RMDL
Activity Name:	REMEDIAL ACTION (RAP REQUIRED)
AWP Code:	GW
Proposed Budget:	0
AWP Completion Date:	09302007
Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19280083
Activity:	CERT
Activity Name:	CERTIFICATION
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	12312008
Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19280083
Activity:	OM
Activity Name:	OPERATION & MAINTENANCE
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	12312039
Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19280083
Activity:	RIFS
Activity Name:	REMEDIAL INVESTIGATION / FEASIBILITY STUDY
AWP Code:	GW
Proposed Budget:	0
AWP Completion Date:	12312005
Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19280083
Activity:	RAP
Activity Name:	REMEDIAL ACTION PLAN / RECORD OF DECISION
AWP Code:	GW
Proposed Budget:	0
AWP Completion Date:	09302006
Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19280083
Activity:	RMDL
Activity Name:	REMEDIAL ACTION (RAP REQUIRED)
AWP Code:	SOIL
Proposed Budget:	0

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	02181999
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	325000
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	N
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19280083
Activity:	DES
Activity Name:	DESIGN
AWP Code:	GW
Proposed Budget:	0
AWP Completion Date:	03312007
Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19280083
Activity:	CEQA
Activity Name:	CEQA INCLUDING NEGATIVE DECS
AWP Code:	SOIL
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	06251997
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19280083
Activity:	CHP65
Activity Name:	AMENDED ORDER/AGREEMENT, CHAPTER 6.5 TRANSITION
AWP Code:	ORDER
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	04071999
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Alternate Address:	2112 EAST 223RD STREET
Alternate City,St,Zip:	CARSON, CA 90745
Background Info:	The Stauffer Chemical site is located at 2112 East 223rd Street in the City of Carson, Los Angeles County. The site occupies an area of approximately 25 acres. The site is an inactive polyvinyl chloride plant. The plant was deactivated in 1982 and the majority of buildings, chemical storage, and process facility have been removed and there is no active storage of hazardous waste materials at the site. 1,2 DCA or 1,2 dichloroethane and vinyl chloride are the primary constituents of concern. Soil and groundwater investigations have indicated the presence of chlorinated hydrocarbons.
Comments Date:	09251978
Comments:	HEAVY METALS & CHLOR. HYDROCARBONS.
Comments Date:	01051985
Comments:	ENFORCEMENT(OTHER) SEWER. NOTICE OF NON-COMPLI. MUST REPAIR
Comments Date:	01051985
Comments:	FLOWMETER.
Comments Date:	01301997
Comments:	DTSC reviewed and approved the revised Feasibility Study report.
Comments Date:	01301997
Comments:	This completes the approval of the RI/FS for the soil operable

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

Comments Date:	01301997
Comments:	unit.
Comments Date:	02011997
Comments:	Further remedial investigation activities to define the
Comments Date:	02011997
Comments:	vertical extent of chlorinated hydrocarbons in groundwater
Comments Date:	02011997
Comments:	are in progress. Demolition of remaining structures begun
Comments Date:	02011997
Comments:	in November 1996.
Comments Date:	02032003
Comments:	As of 12/31/02, 161,000 lbs. of total VOCs have been removed
Comments Date:	02032003
Comments:	from site soils.
Comments Date:	02041997
Comments:	DTSC approved the RI II workplan for GW.
Comments Date:	02051999
Comments:	RP submitted to DTSC draft Phase II GW Remedial Investigation
Comments Date:	02051999
Comments:	Report and draft GW Feasibility Study Workplan.
Comments Date:	02221999
Comments:	The soil treatment system is essentially complete and the
Comments Date:	02221999
Comments:	system is operating. Almost 15,000 pounds of VOCs have been
Comments Date:	02221999
Comments:	removed by the soils remediation system to date.
Comments Date:	03101986
Comments:	SOURCE ACT: (AMERICAN) MFG OF ETHL CHLORD ETHLENE DICHLORIDE,
Comments Date:	03101986
Comments:	VINYL CHLORIDE. (STAUFFER) ALOS POLYVINYL CHLORIDE & RESINS.
Comments Date:	03101986
Comments:	WASTE: WASTEWATER W/TRACE ORG CPVC RESIN CHLORINATED
Comments Date:	03101986
Comments:	HYDROCARBONS, SULFER BAUXITE, DISTILLATION HEAVY ENDS FROM
Comments Date:	03101986
Comments:	VINYL CHLOR & ETHYLENE DICHLORIDE PROD. WASTEWATER PH IS 10.5.
Comments Date:	03101986
Comments:	VAPORS OF CHLORINE, HYDROGEN, CHLORIDE, DISCHLOROETHANE
Comments Date:	03101986
Comments:	REMOVED BY SCRUBBER & DISC TO SEWER. CURRENTLY WORKING ON A
Comments Date:	03101986
Comments:	CLOSURE PLAN W/DHS.
Comments Date:	03161981
Comments:	FACILITY IDENTIFIED LA COUNTY ENGNEER'S FILE #04706
Comments Date:	03211960
Comments:	INSPECTION(LOCAL) CO ENGR. VIO-DISCH OF CHLORIDE. TEMPER-
Comments Date:	03211960
Comments:	ATURE 7 PH IN VIO.
Comments Date:	03211960
Comments:	ENFORCEMENT(OTHER) CO ENGR. VIO IN ITEM 15.
Comments Date:	03301986
Comments:	SUBMIT TO U.S. EPA.
Comments Date:	03311981
Comments:	FACILITY DRIVE-BY ACTIVE CHEMICAL COMPANY
Comments Date:	04021981
Comments:	FACILITY DRIVE-BY ASP SITE VISIT, NO INSP WAS COMPLETED.
Comments Date:	04031995

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

Comments:	THE RI WORKPLAN AND PUBLIC PARTICIPATION PLAN WERE APPROVED IN
Comments Date:	04031995
Comments:	FEBRUARY OF 1995.
Comments Date:	04081976
Comments:	INSPECTION(LOCAL) CO HLTH. POTNTIAL HZD PRESENT-VC,CHLORIN
Comments Date:	04081976
Comments:	EDC & OTHERS.
Comments Date:	04151982
Comments:	LA CO ENG INDEX 4706, PERMIT 5505J CURR
Comments Date:	04151982
Comments:	LA CO SANIT PERMIT IW 5505J
Comments Date:	04171978
Comments:	INSPECTION(STATE) AIR RESOURCE BOARD. SAMPLE SHOWED HIGH
Comments Date:	04171978
Comments:	CONCENTRATION OF VINYL CHLORIDE.
Comments Date:	04181997
Comments:	The May 1997 Fact Sheet #2 was completed.
Comments Date:	04251995
Comments:	TSD facility--large quantity generator.
Comments Date:	04261995
Comments:	5-20-TSD. CAD 020764050/NO WATERBOARD VGT PROGRAM.
Comments Date:	04301997
Comments:	Draft RAP for the soil operable unit was completed.
Comments Date:	05131981
Comments:	INSPECTION(STATE) INSP COMPLETED.SITE REGULATED.
Comments Date:	06251997
Comments:	DTSC approved soil RAP and Negative Declaration. The selected
Comments Date:	06251997
Comments:	alternative addresses the soil operable unit as an interim
Comments Date:	06251997
Comments:	measure. The project includes vapor and liquid extraction with
Comments Date:	06251997
Comments:	vapor and liquid treatment for soils. The interim cleanup
Comments Date:	06251997
Comments:	number for 1,2, DCA is 20 ppm.
Comments Date:	07032002
Comments:	Nine on-site GW wells were installed from March to July to
Comments Date:	07032002
Comments:	aid in vertical characterization of groundwater contamination.
Comments Date:	07071994
Comments:	Consent Order signed, 01/30/97 RI/FS for soil approved.
Comments Date:	07091999
Comments:	Field work started in the eastern portion of the property to
Comments Date:	07091999
Comments:	install a deep well in the E-zone, well 9E, and CPT will be
Comments Date:	07091999
Comments:	done.
Comments Date:	08031982
Comments:	FACILITY DRIVE-BY ASP. NO SIGN OF ON-SITE DISP.
Comments Date:	08031982
Comments:	PRE LOC: 23208 S.ALAMEDA(#19-28-0130)
Comments Date:	08071985
Comments:	FACILITY DRIVE-BY ASAP. U/G TANKS, REMOVAL OF SOME STRUCTR
Comments Date:	08071985
Comments:	FACILITY INACTIVE.
Comments Date:	08211998
Comments:	Air Permit was issued by SCAQMD. On 08/25/98, the oxidizer

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

Comments Date: 08211998
Comments: will be calibrated and be prepared to run using propane.
Comments Date: 08211998
Comments: On 08/27/98, RP will start connecting wells to the system by
Comments Date: 08211998
Comments: early September, RP will be starting up the system for soil O.U.
Comments Date: 09231999
Comments: DTSC received revised GW Health Risk Assessment and is under
Comments Date: 09231999
Comments: review.
Comments Date: 09251978
Comments: ENFORCEMENT(OTHER) RWQCB. LETTER-POSSIBLE ISSUANCE OF OTC
Comments Date: 09251978
Comments: DISCH IN EXCESS OF LIMIT FOR OIL,GREASE,
Comments Date: 09301997
Comments: DTSC received draft Design Plans and Implementation Plans for
Comments Date: 09301997
Comments: review and comment.
Comments Date: 10021979
Comments: ENFORCEMENT(OTHER) LACSD. FAILURE TO IMPLEMENT REVIDED
Comments Date: 10021979
Comments: INDUST WASTE DISCH REQ.
Comments Date: 12081981
Comments: ENFORCEMENT(OTHER) LACSD. NOV. IMPLEMENT REVISED INDUST
Comments Date: 12081981
Comments: WASTEWATER DISCH REQ FOR ETHYLENE DICHLR
Comments Date: 12131983
Comments: INSPECTION(STATE) DHS/FPU. INSP OF EMPTY TANKS. REQ OF
Comments Date: 12131983
Comments: CHAR PLAN. SUBMITTED ON 1/85.
Comments Date: 12311997
Comments: Soil remedial Design and Implementation Plans were approved by
Comments Date: 12311997
Comments: DTSC.
ID Name: CALSTARS CODE
ID Value: 400264
ID Name: HWIS IDENTIFICATION CODE
ID Value: CAD076941103
ID Name: EPA IDENTIFICATION NUMBER
ID Value: CAD076941103
Alternate Name: STAUFFER CHEMICAL, CARSON
Alternate Name: AMERICAN CHEMICAL CORP (1959-1975)
Alternate Name: STAUFFER MANAGEMENT COMPANY (1987-CURREN
Alternate Name: ATKEMIX 37 INC.
Alternate Name: ASTRA ZENECA
Alternate Name: Not reported
Special Programs Code: C104
Special Programs Name: CERCLA 104

HIST UST:
Name: STAUFFER CHEMICAL COMPANY
Address: 2112 EAST 223RD STREET
City,State,Zip: CARSON, CA 90745
File Number: 00028875
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00028875.pdf
Region: STATE
Facility ID: 00000003022

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

Facility Type:	Other
Other Type:	PETROCHEMICAL
Contact Name:	W. F. STIEF
Telephone:	2138348571
Owner Name:	STAUFFER CHEMICAL COMPANY
Owner Address:	NYALA FARM ROAD
Owner City,St,Zip:	WESTPORT, CT 06881
Total Tanks:	0010
Tank Num:	001
Container Num:	T-612
Year Installed:	1962
Tank Capacity:	00000500
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	002
Container Num:	T-613
Year Installed:	1974
Tank Capacity:	00002000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	003
Container Num:	TANK FARM
Year Installed:	1965
Tank Capacity:	00325000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	16
Leak Detection:	Visual
Tank Num:	004
Container Num:	1
Year Installed:	1959
Tank Capacity:	00000000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	10
Leak Detection:	Visual
Tank Num:	005
Container Num:	2
Year Installed:	1959
Tank Capacity:	00024000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	10
Leak Detection:	Visual
Tank Num:	006
Container Num:	5
Year Installed:	1964

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

Tank Capacity: 00014000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 15
Leak Detection: Visual

Tank Num: 007
Container Num: 4
Year Installed: 1962
Tank Capacity: 00021000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 12
Leak Detection: Visual

Tank Num: 008
Container Num: #3 SUMP
Year Installed: 1978
Tank Capacity: 00097000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 15
Leak Detection: Visual

Tank Num: 009
Container Num: 6
Year Installed: 1959
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 12
Leak Detection: Visual

Tank Num: 010
Container Num: 7
Year Installed: 1978
Tank Capacity: 00009000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 6
Leak Detection: Visual

Click here for Geo Tracker PDF:

2020 COR ACTION:
EPA ID: CAD076941103
Region: 9
Action: Remedy Construction

HWP:
EPA ID: CAD076941103
Name: STAUFFER MANAGEMENT COMPANY LLC
Address: 2112 E 223RD ST
Cleanup Status: UNDERGOING CLOSURE
Latitude: 33.82332
Longitude: -118.2345

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

Facility Type:	Historical - Non-Operating
Facility Size:	Not reported
Supervisor:	Not reported
Site Code:	Not reported
Senate District:	35
Assembly District:	64
Public Information Officer:	Not reported
Commercial Offsite Facility Types:	Not reported
Quarterly Update:	This facility is also known as Stauffer Chemical Co. This facility manufactured ethylene chloride/dichloride, vinyl chloride, and polyvinyl chloride resins. This facility Received an ISD on 4/6/81. After obtaining the ISD, Stauffer requested amendments to their ISD to add an incinerator to the ISD. The incinerator was needed as Stauffer was no longer able to dispose distillation heavy ends. DTSC amended the ISD on 9/18/81. Stauffer did not pursue a Part B permit but rather shut down the operation and closed the facility. Facility operation ceased in May 1982 and Stauffer sent a notification letter to EPA on 10/22/82 stating facility shut down and closure was completed. Although Stauffer had already conducted closure activity, they did not notify EPA/DHS of their closure and did not go through the formal closure process. Therefore, they were required to submit Closure Plans after the fact of facility closure. Stauffer submitted closure plans to DHS on 6/17/83 and 5/4/83. Facility structures were demolished in 1985. File records do not show the closure of the facility being approved and closure being certified/verified. Instead, closure/cleanup of the facility was undertaken by site mitigation. On 7/7/94 a consent agreement & Imminent and substantial endangerment order was issued by Site Mit to require remediation of the site. Refer to site mitigation database for site cleanup details. It looks like site clean up is still active at this facility. 4/25/2018- Consent order dated 06/27/1994 was uploaded from cleanup to refer facility to CERCLA for cleanup. PM, Isaac Hirbawi, confirmed that this site is still open and undergoing cleanup.
Project Manager Lead:	Not reported
Project Manager:	Not reported
Permit Type:	RCRA
Permit Effective Date:	Not reported
Permit Expiration Date:	Not reported
Calenviroscreen Score:	NA
Total Planned Hours:	Not reported
Total Planned Amount:	Not reported
Total Actual Hours:	Not reported

Activities:

EPA ID:	CAD076941103
Facility Type:	Historical - Non-Operating
Facility Name:	STAUFFER MANAGEMENT COMPANY LLC
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Status:	UNDERGOING CLOSURE
Activity Type:	New Operating Permit
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	Not reported
Type:	Not reported
Title Description:	Imported 12/2011:PERMIT
Due Date:	Not reported

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

Comments:	Revised Part A application with additional units.
Unit Names:	INCINERTR, TANKSTR1, TANKSTR2, TANKTRT1, TANKTRT2
Event Description:	New Operating Permit - APPLICATION PART A RECEIVED
Actual Date:	12/13/1980

Closure:

EPA ID:	CAD076941103
Facility Type:	Historical - Non-Operating
Facility Name:	STAUFFER MANAGEMENT COMPANY LLC
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Size:	Not reported
Facility Status:	UNDERGOING CLOSURE
Activity Type:	Referred for closure to other agency
Final Date:	Not reported
Type:	RCRA
Title Description:	REFERRED TO SITE CLEANUP - CERCLA
Due Date:	Not reported
Comments:	Not reported
Unit Names:	INCINERTR, TANKSTR1, TANKSTR2, TANKTRT1, TANKTRT2
Event Description:	Referred for closure to other agency - REFERRED FOR CLOSURE TO OTHER AGENCY
Actual Date:	06/27/1994

EPA ID:	CAD076941103
Facility Type:	Historical - Non-Operating
Facility Name:	STAUFFER MANAGEMENT COMPANY LLC
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Size:	Not reported
Facility Status:	UNDERGOING CLOSURE
Activity Type:	Closure
Final Date:	Not reported
Type:	Not reported
Title Description:	Imported 12/2011:CLOSURE
Due Date:	Not reported
Comments:	CP submitted, Facility submitted CP after they conducted closure activity. See facility description for details.
Unit Names:	INCINERTR, TANKSTR1, TANKSTR2, TANKTRT1, TANKTRT2
Event Description:	Closure - CLOSURE PLAN RECEIVED
Actual Date:	06/17/1983

Alias:

EPA ID:	CAD076941103
Facility Type:	Historical - Non-Operating
Facility Name:	STAUFFER MANAGEMENT COMPANY LLC
Facility Status:	UNDERGOING CLOSURE
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Alias Type:	Envirostor ID Number
Alias:	19280083

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

CERS:
Name: CITY OF CARSON - ATKEMIX THIRTY SEVEN INC.
Address: 2112 E. 223RD ST
City,State,Zip: CARSON, CA 90745
Site ID: 257695
CERS ID: SLT43298296
CERS Description: Cleanup Program Site

O69 **MONSANTO CHEMICAL COMPANY/ C/O LARRY ADAMS SUPERIN** **ENVIROSTOR** **1000376908**
NNW **2100 E 223RD ST** **CPS-SLIC** **N/A**
1/2-1 **CARSON, CA 90810** **HIST Cal-Sites**
0.855 mi. **SWEEPS UST**
4513 ft. **Site 1 of 2 in cluster O** **CA FID UST**
EMI
Relative: **LOS ANGELES CO. HMS**
Higher

Actual: **23 ft.**

ENVIROSTOR:
Name: SOLUTIA INC
Address: 2100 E 223RD ST
City,State,Zip: CARSON, CA 907450000
Facility ID: 80001380
Status: Inactive - Needs Evaluation
Status Date: 11/01/2018
Site Code: Not reported
Site Type: Corrective Action
Site Type Detailed: Corrective Action
Acres: 0
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: MBR
Program Manager: Not reported
Supervisor: * Unknown
Division Branch: Cleanup Chatsworth
Assembly: 64
Senate: 35
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.82400
Longitude: -118.2378
APN: 7315008030
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 7315008030
Alias Type: APN
Alias Name: CAD043555366
Alias Type: EPA Identification Number
Alias Name: 110000749281
Alias Type: EPA (FRS #)
Alias Name: 80001380
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

MONSANTO CHEMICAL COMPANY/ C/O LARRY ADAMS SUPERINTENDANT (Continued) **1000376908**

Completed Document Type: Interim Measures Questionnaire
Completed Date: 05/23/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 03/13/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Agreement
Completed Date: 12/05/1990
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 03/07/1996
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 05/26/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Questionnaire
Completed Date: 07/27/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Selection and Statement of Basis
Completed Date: 04/14/1995
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled
Completed Date: 06/08/1998
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Human Exposure Controlled
Completed Date: 06/08/1998
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Remedy Selected
Completed Date: 04/14/1995
Comments: Not reported

MONSANTO CHEMICAL COMPANY/ C/O LARRY ADAMS SUPERINTENDANT (Continued) **1000376908**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Corrective Measures Study Report
Completed Date: 01/23/1995
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Corrective Measures Study Workplan
Completed Date: 02/07/1991
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan
Completed Date: 09/23/1991
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Implementation Report
Completed Date: 10/31/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Workplan
Completed Date: 01/31/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Report
Completed Date: 01/23/1995
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Workplan
Completed Date: 01/31/1992
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

CPS-SLIC:
Name: MONSATO CARSON PLANT
Address: 2100 E. 223RD ST
City,State,Zip: CARSON, CA 90810
Region: STATE

MONSANTO CHEMICAL COMPANY/ C/O LARRY ADAMS SUPERINTENDANT (Continued) **1000376908**

Facility Status:	**Open - Inactive**
Status Date:	02/02/2015
Global Id:	SLT43131129
Lead Agency:	DEPARTMENT OF TOXIC SUBSTANCES CONTROL
Lead Agency Case Number:	19281200
Latitude:	33.8376121118986
Longitude:	-118.260290211125
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	0228
File Location:	Not reported
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Calsite:

Name:	MONSANTO CHEMICAL COMPANY
Address:	2100 EAST 223RD STREET
City:	CARSON
Region:	CYPRESS
Facility ID:	19281200
Facility Type:	RP
Type:	RESPONSIBLE PARTY
Branch:	SB
Branch Name:	SO CAL - CYPRESS
File Name:	Not reported
State Senate District:	04231996
Status:	ANNUAL WORKPLAN (AWP) - ACTIVE SITE
Status Name:	ANNUAL WORKPLAN - ACTIVE SITE
Lead Agency:	DEPT OF TOXIC SUBSTANCES CONTROL
NPL:	Not Listed
SIC Code:	28
SIC Name:	MANU - CHEMICALS & ALLIED PRODUCTS
Access:	Not reported
Cortese:	Not reported
Hazardous Ranking Score:	Not reported
Date Site Hazard Ranked:	Not reported
Groundwater Contamination:	Confirmed
Staff Member Responsible for Site:	RZABANEH
Supervisor Responsible for Site:	Not reported
Region Water Control Board:	LA
Region Water Control Board Name:	LOS ANGELES
Lat/Long Direction:	Not reported
Lat/Long (dms):	0 0 0 / 0 0 0
Lat/long Method:	Not reported
Lat/Long Description:	Not reported
State Assembly District Code:	55
State Senate District Code:	28
Facility ID:	19281200
Activity:	DISC
Activity Name:	DISCOVERY
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported

MONSANTO CHEMICAL COMPANY/ C/O LARRY ADAMS SUPERINTENDANT (Continued) **1000376908**

Revised Due Date:	Not reported
Comments Date:	02091989
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19281200
Activity:	SS
Activity Name:	SITE SCREENING
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	06121989
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19281200
Activity:	ORDER
Activity Name:	I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code:	CNSNT
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	12241990
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0

MONSANTO CHEMICAL COMPANY/ C/O LARRY ADAMS SUPERINTENDANT (Continued) **1000376908**

Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19281200
Activity:	PPP
Activity Name:	PUBLIC PARTICIPATION PLAN
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	04301991
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19281200
Activity:	RA
Activity Name:	REMOVAL ACTION
AWP Code:	GW
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	01281992
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	N
Activity Comments:	INSTALLATION OF FOUR MONITORING WELLS, TWO PIEZOMOMETERS, AND ONESKIMMING SYSTEM TO DELINEATE THE PLUME AND TO PROVIDE AN INTERIMEXTRACTION SYSTEM.
For Commercial Reuse:	0
For Industrial Reuse:	0

MONSANTO CHEMICAL COMPANY/ C/O LARRY ADAMS SUPERINTENDANT (Continued) **1000376908**

For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19281200
Activity:	ORDER
Activity Name:	I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code:	AMECO
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	10291993
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19281200
Activity:	RIFS
Activity Name:	REMEDIAL INVESTIGATION / FEASIBILITY STUDY
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	01231995
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19281200
Activity:	CEQA
Activity Name:	CEQA INCLUDING NEGATIVE DECS
AWP Code:	NEGDK
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported

MONSANTO CHEMICAL COMPANY/ C/O LARRY ADAMS SUPERINTENDANT (Continued) **1000376908**

Comments Date:	04141995
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19281200
Activity:	RAP
Activity Name:	REMEDIAL ACTION PLAN / RECORD OF DECISION
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	04141995
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19281200
Activity:	DES
Activity Name:	DESIGN
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	03281997
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported

MONSANTO CHEMICAL COMPANY/ C/O LARRY ADAMS SUPERINTENDANT (Continued) **1000376908**

Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19281200
Activity:	ORDER
Activity Name:	I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code:	C/O
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	03071996
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19281200
Activity:	RMDL
Activity Name:	REMEDIAL ACTION (RAP REQUIRED)
AWP Code:	II
Proposed Budget:	0
AWP Completion Date:	06302007
Revised Due Date:	12312007
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	M
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19281200

MONSANTO CHEMICAL COMPANY/ C/O LARRY ADAMS SUPERINTENDANT (Continued) **1000376908**

Activity:	CERT
Activity Name:	CERTIFICATION
AWP Code:	II
Proposed Budget:	0
AWP Completion Date:	12302008
Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	M
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19281200
Activity:	OM
Activity Name:	OPERATION & MAINTENANCE
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	03312013
Revised Due Date:	12312028
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	M
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19281200
Activity:	RA
Activity Name:	REMOVAL ACTION
AWP Code:	BIOPI
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	01111999
Est Person-Yrs to complete:	0
Estimated Size:	Not reported

MONSANTO CHEMICAL COMPANY/ C/O LARRY ADAMS SUPERINTENDANT (Continued) **1000376908**

Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	1400
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	N
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19281200
Activity:	COST
Activity Name:	COST RECOVERY
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	01131999
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19281200
Activity:	RIFS
Activity Name:	REMEDIAL INVESTIGATION / FEASIBILITY STUDY
AWP Code:	II
Proposed Budget:	0
AWP Completion Date:	03312005
Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported

MONSANTO CHEMICAL COMPANY/ C/O LARRY ADAMS SUPERINTENDANT (Continued) **1000376908**

Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19281200
Activity:	RAP
Activity Name:	REMEDIAL ACTION PLAN / RECORD OF DECISION
AWP Code:	II
Proposed Budget:	0
AWP Completion Date:	12312005
Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19281200
Activity:	DES
Activity Name:	DESIGN
AWP Code:	II
Proposed Budget:	0
AWP Completion Date:	06302006
Revised Due Date:	12312006
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Alternate Address:	2100 EAST 223RD STREET
Alternate City,St,Zip:	CARSON, CA 90810
Background Info:	Monsanto Chemical Company has manufactured bio and nonbio-degradable detergents for over three decades. The site is

MONSANTO CHEMICAL COMPANY/ C/O LARRY ADAMS SUPERINTENDANT (Continued) **1000376908**

located in a heavily industrialized area. Raw materials used in the process include benzene, paraffin, olefin, chlorine, anhydrous ammonia, and aluminum chloride. Volatile organic solvents, chlorinated as well as non-chlorinated, have been found in the groundwater. A layer of benzene is floating on top the groundwater table. Contaminants identified in the soil include benzene and assorted petroleum hydrocarbons. Soil vapor tests have detected the presence of chlorinated solvents. Direct contact with contaminated soil, inhalation of volatile organics, surface runoff, and groundwater contamination are a threat to public health and the environment. Contaminated water is used for industrial and agricultural purposes. A Consent Order with Monsanto, to investigate the extent of contamination and cleanup the site, was signed in December 1990.
Not reported
Sampling analyses indicate high levels of benzene in shallow aquifer. A seven-inch non-aqueous benzen layer has been identified. 1,2-dichloroethane exists in shallow and deep aquifer.
Not reported
A revised amendment to the Consent Order was finalized and signed on November 15, 1993 to include Remediation Capital Corporation of Reno, Nevada, as a party to the Agreement. RCC purchased the property from Monsanto in September 1993.
Not reported
RCC subsequently filed for bankruptcy and the site reverted back to Monsanto (now Solutia).

Comments Date: 06231999
Comments: completed. The soils were returned to the previously excavated
Comments Date: 06231999
Comments: areas.
Comments Date: 06231999
Comments: Not reported
Comments Date: 07251991
Comments: Detergent manufacturing. Contaminants include benzene, volatile
Comments Date: 07251991
Comments: organics, chlorinated/non-chlorinated, TCE, chloroform,
Comments Date: 07251991
Comments: dichloroethane, petroleum hydrocarbons, and heavy metals.
Comments Date: 12012001
Comments: An updated Health Risk Assessment has been completed. An
Comments Date: 12012001
Comments: updated RI and FS will be completed in order to complete
Comments Date: 12012001
Comments: a RAP amendment.
Comments Date: 12311991
Comments: Removal Action: Groundwater extraction/treatment.
Comments Date: 01032002
Comments: Soil gas sampling of soils in the former tank farm area and
Comments Date: 01032002
Comments: process area was completed to track progress with the Soil
Comments Date: 01032002
Comments: Vapor Extraction System.
Comments Date: 01242003
Comments: DTSC granted approval for decommissioning of eight on-site
Comments Date: 01242003

MONSANTO CHEMICAL COMPANY/ C/O LARRY ADAMS SUPERINTENDANT (Continued) **1000376908**

Comments:	groundwater wells and piezometers which are not used for
Comments Date:	01242003
Comments:	groundwater monitoring.
Comments Date:	01311990
Comments:	This is the date the site was first listed pursuant to
Comments Date:	01311990
Comments:	section 25356.
Comments Date:	02142000
Comments:	Monsanto/Solutia has requested a RAP re-opener due to a change
Comments Date:	02142000
Comments:	in site conditions and implementability of the selected
Comments Date:	02142000
Comments:	remedies for the site.
Comments Date:	02142000
Comments:	Not reported
Comments Date:	02142000
Comments:	A pilot air sparging test was conducted and did not reproduce
Comments Date:	02142000
Comments:	previous Radius of Influence (ROIs) (far lower than originally
Comments Date:	02142000
Comments:	estimated). The groundwater table has risen causing the LNAPL
Comments Date:	02142000
Comments:	to become entrained beneath the water table.
Comments Date:	03071996
Comments:	DTSC signed a Consent Order with the RPs.
Comments Date:	03281997
Comments:	Approval of Remedial Design Specifications document, with
Comments Date:	03281997
Comments:	Addendum prepared by DTSC.
Comments Date:	04011997
Comments:	The Remedial Design Specification Report was approved on
Comments Date:	04011997
Comments:	March 28,1997, with an Addendum completed by DTSC.
Comments Date:	04141995
Comments:	The CEQA documents (Negative Declaration) and the Remedial
Comments Date:	04141995
Comments:	Action Plan are approved following a 30-day public comment
Comments Date:	04141995
Comments:	period. The recommended alternative includes the following
Comments Date:	04141995
Comments:	elements: institutional controls; monitoring; excavation,
Comments Date:	04141995
Comments:	in-situ and ex-situ bio-treatment, soil vapor extraction and
Comments Date:	04141995
Comments:	bioventing of deep soils and shallow soils; thermal/catalytic
Comments Date:	04141995
Comments:	oxidation of soil vapor; vacuum enhanced LNAPL recovery with
Comments Date:	04141995
Comments:	total fluids pumps; recovered LNAPL disposal by a certified
Comments Date:	04141995
Comments:	waste recycler or a permitted hazardous waste TSDF; groundwater
Comments Date:	04141995
Comments:	remediation by air sparging within the SVE capture radius and
Comments Date:	04141995
Comments:	plume of groundwater contamination; if necessary groundwater
Comments Date:	04141995
Comments:	extraction and treatment with air stripping followed by GAC;

MONSANTO CHEMICAL COMPANY/ C/O LARRY ADAMS SUPERINTENDANT (Continued) **1000376908**

Comments Date:	04141995
Comments:	and treated groundwater discharge to the sanitary sewer.
Comments Date:	04141995
Comments:	Sparging would not be implemented until the LNAPL had been
Comments Date:	04141995
Comments:	removed.
Comments Date:	05011995
Comments:	DTSC recieved the Remedial Investigation Report dated 8/93
Comments Date:	05011995
Comments:	from Monsanto and the Baseline Health Risk Assessment in
Comments Date:	05011995
Comments:	early 1994. The RI/FS was approved in January 1995. With
Comments Date:	05011995
Comments:	DTSC's concurrence, Fact Sheet #4 and the CEQA documents
Comments Date:	05011995
Comments:	(Negative Declaration) were approved. The public meeting
Comments Date:	05011995
Comments:	was held March 8, 1995. Comments were accepted and addressed.
Comments Date:	05011995
Comments:	The final RAP was adopted by DTSC on April 14, 1995.
Comments Date:	05011995
Comments:	Not reported
Comments Date:	05011995
Comments:	The Consent Order to implement the RAP was signed on
Comments Date:	05011995
Comments:	March 7, 1996.
Comments Date:	06121989
Comments:	Site Screening Done: RP in violation of DHS permit. RP
Comments Date:	06121989
Comments:	prepared a Preliminary Assessment/Site Inspection report
Comments Date:	06121989
Comments:	(submitted 09/88). Release of benzene and DCE to upper
Comments Date:	06121989
Comments:	aquifer. Chemical dump site 1952-1965 not addressed. RP
Comments Date:	06121989
Comments:	is negotiating with ICI (other RP).
Comments Date:	06191995
Comments:	The Consent Order to implement the RAP, including the Operation
Comments Date:	06191995
Comments:	and Maintenance (O&M) Plan is being drafted. The final order
Comments Date:	06191995
Comments:	is expected to be fully executed by the end of July 1995.
Comments Date:	06231999
Comments:	Remediation of two (2) excavated areas treated in a biopile was
ID Name:	CALSTARS CODE
ID Value:	400266
ID Name:	BEP DATABASE PCODE
ID Value:	P43054
Alternate Name:	MONSANTO CHEMICAL COMPANY
Alternate Name:	SOLUTIA
Alternate Name:	Not reported
Special Programs Code:	Not reported
Special Programs Name:	Not reported

SWEEPS UST:

Name:	MONSANTO CHEMICAL COMPANY/ C/O LARRY ADAMS SUPERINTENDANT
Address:	2100 E 223RD ST

MONSANTO CHEMICAL COMPANY/ C/O LARRY ADAMS SUPERINTENDANT (Continued) **1000376908**

City:	CARSON
Status:	Not reported
Comp Number:	5175
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-005175-000002
Tank Status:	Not reported
Capacity:	2150
Active Date:	Not reported
Tank Use:	EMPTY
STG:	WASTE
Content:	Not reported
Number Of Tanks:	1

CA FID UST:

Facility ID:	19029192
Regulated By:	UTNKI
Regulated ID:	CAD043555
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2138304353
Mail To:	Not reported
Mailing Address:	2100 E 223RD ST
Mailing Address 2:	Not reported
Mailing City,St,Zip:	CARSON 90810
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Inactive

EMI:

Name:	MONSANTO CO (EIS USE)
Address:	2100 E 223RD ST
City,State,Zip:	CARSON, CA 90810
Year:	1987
County Code:	19
Air Basin:	SC
Facility ID:	800227
Air District Name:	SC
SIC Code:	2841
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	58
Reactive Organic Gases Tons/Yr:	50
Carbon Monoxide Emissions Tons/Yr:	26
NOX - Oxides of Nitrogen Tons/Yr:	41
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	2

MONSANTO CHEMICAL COMPANY/ C/O LARRY ADAMS SUPERINTENDANT (Continued) **1000376908**

Part. Matter 10 Micrometers and Smllr Tons/Yr:2

Name:	MONSANTO CO (EIS USE)
Address:	2100 E 223RD ST
City,State,Zip:	CARSON, CA 90810
Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	800227
Air District Name:	SC
SIC Code:	2841
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	155
Reactive Organic Gases Tons/Yr:	116
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	33
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	2
Part. Matter 10 Micrometers and Smllr Tons/Yr:	2

LOS ANGELES CO. HMS:

Name:	WITCO CHEMICAL CO
Address:	2100 E 223RD ST
City,State,Zip:	LONG BEACH, CA 90810
Region:	LA
Permit Category:	Not reported
Facility Id:	004987-005175
Facility Type:	Not reported
Facility Status:	OPEN
Area:	22
Permit Number:	Not reported
Permit Status:	Not reported

Name:	REMEDIATION CAPITAL CORP
Address:	2100 E 223RD ST
City,State,Zip:	LONG BEACH, CA 90810
Region:	LA
Permit Category:	Not reported
Facility Id:	004987-021487
Facility Type:	Not reported
Facility Status:	OPEN
Area:	22
Permit Number:	Not reported
Permit Status:	Not reported

O70 **SOLUTIA INC. CARSON SITE** **CORRACTS** **1000376909**
NNW **2100 EAST 223RD STREET** **RCRA-TSDF** **CAD043555366**
1/2-1 **CARSON, CA 90745** **RCRA-LQG**
0.855 mi. **HWP**
4513 ft. **Site 2 of 2 in cluster O**

Relative: **Higher**

Actual: **23 ft.**

CORRACTS:

Name:	SOLUTIA INC. CARSON SITE
Address:	2100 EAST 223RD STREET
Address 2:	Not reported

SOLUTIA INC. CARSON SITE (Continued) **1000376909**

EPA ID: CAD043555366
Area Name: ENTIRE FACILITY
Corrective Action: RFA COMPLETED
Actual Date: 00:00.0
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: SOLUTIA INC. CARSON SITE
Address: 2100 EAST 223RD STREET
Address 2: Not reported
EPA ID: CAD043555366
Area Name: ENTIRE FACILITY
Corrective Action: DETERMINATION OF NEED FOR AN INVESTIGATION-INVESTIGATION IS NECESSARY
Actual Date: 00:00.0
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: SOLUTIA INC. CARSON SITE
Address: 2100 EAST 223RD STREET
Address 2: Not reported
EPA ID: CAD043555366
Area Name: ENTIRE FACILITY
Corrective Action: INVESTIGATION WORKPLAN APPROVED
Actual Date: 00:00.0
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: SOLUTIA INC. CARSON SITE
Address: 2100 EAST 223RD STREET
Address 2: Not reported
EPA ID: CAD043555366
Area Name: ENTIRE FACILITY
Corrective Action: INVESTIGATION COMPLETE
Actual Date: 00:00.0
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: SOLUTIA INC. CARSON SITE
Address: 2100 EAST 223RD STREET
Address 2: Not reported
EPA ID: CAD043555366
Area Name: ENTIRE FACILITY
Corrective Action: STABILIZATION MEASURES EVALUATION-FURTHER INVESTIGATION NECESSARY
Actual Date: 00:00.0
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

SOLUTIA INC. CARSON SITE (Continued) **1000376909**

Name: SOLUTIA INC. CARSON SITE
Address: 2100 EAST 223RD STREET
Address 2: Not reported
EPA ID: CAD043555366
Area Name: ENTIRE FACILITY
Corrective Action: STABILIZATION MEASURES EVALUATION-FACILITY IS AMENABLE TO STABILIZATION
Actual Date: 00:00.0
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: SOLUTIA INC. CARSON SITE
Address: 2100 EAST 223RD STREET
Address 2: Not reported
EPA ID: CAD043555366
Area Name: ENTIRE FACILITY
Corrective Action: CMS WORKPLAN APPROVED
Actual Date: 00:00.0
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: SOLUTIA INC. CARSON SITE
Address: 2100 EAST 223RD STREET
Address 2: Not reported
EPA ID: CAD043555366
Area Name: ENTIRE FACILITY
Corrective Action: CMS COMPLETE
Actual Date: 00:00.0
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: SOLUTIA INC. CARSON SITE
Address: 2100 EAST 223RD STREET
Address 2: Not reported
EPA ID: CAD043555366
Area Name: ENTIRE FACILITY
Corrective Action: STABILIZATION/INTERIM MEASURES DECISION-PRIMARY MEAS IS EXPOSURE CONTROL
Actual Date: 00:00.0
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: SOLUTIA INC. CARSON SITE
Address: 2100 EAST 223RD STREET
Address 2: Not reported
EPA ID: CAD043555366
Area Name: ENTIRE FACILITY
Corrective Action: RFA COMPLETED
Actual Date: 00:00.0

SOLUTIA INC. CARSON SITE (Continued) **1000376909**

Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: SOLUTIA INC. CARSON SITE
Address: 2100 EAST 223RD STREET
Address 2: Not reported
EPA ID: CAD043555366
Area Name: ENTIRE FACILITY
Corrective Action: HUMAN EXPOSURES CONTROLLED DETERMINATION-MORE INFORMATION NEEDED
Actual Date: 00:00.0
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Click this hyperlink while viewing on your computer to access
3 additional CORRACTS: record(s) in the EDR Site Report.

RCRA-LQG:
Date Form Received by Agency: 2016-02-27 00:00:00.0
Handler Name: SOLUTIA INC. CARSON SITE
Handler Address: 2100 EAST 223RD STREET
Handler City,State,Zip: CARSON, CA 90745
EPA ID: CAD043555366
Contact Name: LARRY ADAMS
Contact Address: DEAUVILLE DRIVE
Contact City,State,Zip: HUNTINGTON BEACH, CA 92646
Contact Telephone: 714-963-7624
Contact Fax: 508-526-7672
Contact Email: ADAMSACS@GMAIL.COM
Contact Title: REMEDIATION MANAGER
EPA Region: 09
Land Type: Private
Federal Waste Generator Description: Large Quantity Generator
Non-Notifier: Not reported
Biennial Report Cycle: 2015
Accessibility: Not reported
Active Site Indicator: Handler Activities, Corrective Action Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: DEAUVILLE DRIVE
Mailing City,State,Zip: HUNTINGTON BEACH, CA 92646
Owner Name: SOLUTIA INC.
Owner Type: Private
Operator Name: SOLUTIA INC.
Operator Type: Private
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility Activity: No
Recycler Activity with Storage: No
Small Quantity On-Site Burner Exemption: No
Smelting Melting and Refining Furnace Exemption: No
Underground Injection Control: No

SOLUTIA INC. CARSON SITE (Continued) **1000376909**

Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Boiler/Industrial Furnace
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Boiler/Industrial Furnace
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	Yes
Subject to Corrective Action Universe:	Yes
Non-TSDFs Where RCRA CA has Been Imposed Universe:	Yes
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	No
Groundwater Controls Indicator:	No
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2016-11-04 19:42:33.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2015

Click Here for Biennial Reporting System Data:
Year: 2011

Click Here for Biennial Reporting System Data:
Year: 2009

SOLUTIA INC. CARSON SITE (Continued) **1000376909**

Click Here for Biennial Reporting System Data:
Year: 2007

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D018
Waste Description: BENZENE

Waste Code: D028
Waste Description: 1,2-DICHLOROETHANE

Waste Code: D039
Waste Description: TETRACHLOROETHYLENE

Waste Code: D042
Waste Description: 2,4,6-TRICHLOROPHENOL

Waste Code: D043
Waste Description: VINYL CHLORIDE

Waste Code: U019
Waste Description: BENZENE (I,T)

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: SOLUTIA INC.
Legal Status: Private
Date Became Current: 1997-09-22 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: SOLUTIA INC.
Legal Status: Private
Date Became Current: 2001-04-19 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: MONSANTO CHEMICAL/DETERGENTS
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 800 N LINDBERGH BLVD

SOLUTIA INC. CARSON SITE (Continued) **1000376909**

Owner/Operator City,State,Zip:	ST LOUIS, MO 63167
Owner/Operator Telephone:	314-694-1000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	SOLUTIA INC.
Legal Status:	Private
Date Became Current:	1997-09-22 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	SOLUTIA INC.
Legal Status:	Private
Date Became Current:	2001-04-19 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	575 MARYVILLE CENTRE DRIVE
Owner/Operator City,State,Zip:	ST. LOUIS, MO 63141
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	SOLUTIA INC.
Legal Status:	Private
Date Became Current:	2001-04-19 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	575 MARYVILLE CENTRE DRIVE
Owner/Operator City,State,Zip:	ST. LOUIS, MO 63141
Owner/Operator Telephone:	314-674-1000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	SOLUTIA INC.
Legal Status:	Private
Date Became Current:	2001-04-19 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	8192 DEAUVILLE DRIVE
Owner/Operator City,State,Zip:	HUNTINGTON BEACH, CA 92646
Owner/Operator Telephone:	714-963-7624
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	SOLUTIA INC.
Legal Status:	Private

SOLUTIA INC. CARSON SITE (Continued) **1000376909**

Date Became Current:	1997-09-22 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	8192 DEAUVILLE DRIVE
Owner/Operator City,State,Zip:	HUNTINGTON BEACH, CA 92646
Owner/Operator Telephone:	714-963-7624
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	MONSANTO CO
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	800 N LINDBERGH BLVD
Owner/Operator City,State,Zip:	ST LOUIS, MO 63167
Owner/Operator Telephone:	314-694-1000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	SOLUTIA INC.
Legal Status:	Private
Date Became Current:	2001-04-19 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	8192 DEAUVILLE DRIVE
Owner/Operator City,State,Zip:	HUNTINGTON BEACH, CA 92646
Owner/Operator Telephone:	714-963-7624
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	MONSANTO CO
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	800 N LINDBERGH BLVD
Owner/Operator City,State,Zip:	ST LOUIS, MO 63167
Owner/Operator Telephone:	314-694-1000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2010-07-27 00:00:00.0
Handler Name: SOLUTIA INC. CARSON SITE	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported

SOLUTIA INC. CARSON SITE (Continued) **1000376909**

Electronic Manifest Broker: Not reported

Receive Date: 2012-03-09 00:00:00.0
Handler Name: SOLUTIA INC. CARSON SITE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2016-02-27 00:00:00.0
Handler Name: SOLUTIA INC. CARSON SITE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1993-03-02 00:00:00.0
Handler Name: MONSANTO CHEM CO
Federal Waste Generator Description: Large Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1993-03-02 00:00:00.0
Handler Name: MONSANTO CHEM CO
Federal Waste Generator Description: Small Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1980-08-11 00:00:00.0
Handler Name: MONSANTO CHEM CO
Federal Waste Generator Description: Large Quantity Generator

SOLUTIA INC. CARSON SITE (Continued) **1000376909**

State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1990-04-12 00:00:00.0
Handler Name: MONSANTO COMPANY / CARSON PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1992-02-27 00:00:00.0
Handler Name: MONSANTO COMPANY CARSON PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2008-03-31 00:00:00.0
Handler Name: SOLUTIA INC. CARSON SITE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 32511
NAICS Description: PETROCHEMICAL MANUFACTURING

NAICS Code: 325611
NAICS Description: SOAP AND OTHER DETERGENT MANUFACTURING

NAICS Code: 325612

SOLUTIA INC. CARSON SITE (Continued) **1000376909**

NAICS Description: POLISH AND OTHER SANITATION GOOD MANUFACTURING

NAICS Code: 53119
NAICS Description: LESSORS OF OTHER REAL ESTATE PROPERTY

Facility Has Received Notices of Violation:

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	1992-08-21 00:00:00.0
Actual Return to Compliance Date:	1992-09-22 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1992-09-21 00:00:00.0
Enforcement Identifier:	003
Date of Enforcement Action:	1992-08-21 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	1200
Final Monetary Amount:	1200
Paid Amount:	Not reported
Final Count:	1
Final Amount:	1200

Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	Generators - General
Date Violation was Determined:	1987-01-26 00:00:00.0
Actual Return to Compliance Date:	1989-10-30 00:00:00.0
Return to Compliance Qualifier:	Unverifiable
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	1987-01-26 00:00:00.0
Enforcement Responsible Agency:	EPA
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

SOLUTIA INC. CARSON SITE (Continued) **1000376909**

Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: R9EPA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 1989-10-03 00:00:00.0
Actual Return to Compliance Date: 1989-11-07 00:00:00.0
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 1989-10-16 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported

SOLUTIA INC. CARSON SITE (Continued) **1000376909**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	1989-10-30 00:00:00.0
Actual Return to Compliance Date:	1990-10-24 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1990-01-11 00:00:00.0
Enforcement Identifier:	002
Date of Enforcement Action:	1989-12-12 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

SOLUTIA INC. CARSON SITE (Continued) **1000376909**

Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:
Evaluation Date: 1992-08-06 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 1992-09-22 00:00:00.0
Scheduled Compliance Date: 1992-09-21 00:00:00.0
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 1987-01-26 00:00:00.0
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: NON-FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier: R9EPA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 1989-10-30 00:00:00.0
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 1989-10-03 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier: R9STA

SOLUTIA INC. CARSON SITE (Continued) **1000376909**

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1989-11-07 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1989-10-30 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1990-10-24 00:00:00.0
Scheduled Compliance Date:	1990-01-11 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1992-08-26 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

SOLUTIA INC. CARSON SITE (Continued) **1000376909**

RCRA-LQG:

Date Form Received by Agency:	2016-02-27 00:00:00.0
Handler Name:	SOLUTIA INC. CARSON SITE
Handler Address:	2100 EAST 223RD STREET
Handler City,State,Zip:	CARSON, CA 90745
EPA ID:	CAD043555366
Contact Name:	LARRY ADAMS
Contact Address:	DEAUVILLE DRIVE
Contact City,State,Zip:	HUNTINGTON BEACH, CA 92646
Contact Telephone:	714-963-7624
Contact Fax:	508-526-7672
Contact Email:	ADAMSACS@GMAIL.COM
Contact Title:	REMEDIATION MANAGER
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	2015
Accessibility:	Not reported
Active Site Indicator:	Handler Activities, Corrective Action Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	DEAUVILLE DRIVE
Mailing City,State,Zip:	HUNTINGTON BEACH, CA 92646
Owner Name:	SOLUTIA INC.
Owner Type:	Private
Operator Name:	SOLUTIA INC.
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Boiler/Industrial Furnace
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Boiler/Industrial Furnace
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported

SOLUTIA INC. CARSON SITE (Continued) **1000376909**

202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	Yes
Subject to Corrective Action Universe:	Yes
Non-TSDFs Where RCRA CA has Been Imposed Universe:	Yes
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	No
Groundwater Controls Indicator:	No
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2016-11-04 19:42:33.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2015

Click Here for Biennial Reporting System Data:
Year: 2011

Click Here for Biennial Reporting System Data:
Year: 2009

Click Here for Biennial Reporting System Data:
Year: 2007

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:

Waste Code:	D018
Waste Description:	BENZENE
Waste Code:	D028
Waste Description:	1,2-DICHLOROETHANE
Waste Code:	D039
Waste Description:	TETRACHLOROETHYLENE
Waste Code:	D042
Waste Description:	2,4,6-TRICHLOROPHENOL
Waste Code:	D043
Waste Description:	VINYL CHLORIDE

SOLUTIA INC. CARSON SITE (Continued) **1000376909**

Waste Code: U019
Waste Description: BENZENE (I,T)

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	SOLUTIA INC.
Legal Status:	Private
Date Became Current:	1997-09-22 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	SOLUTIA INC.
Legal Status:	Private
Date Became Current:	2001-04-19 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	MONSANTO CHEMICAL/DETERGENTS
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	800 N LINDBERGH BLVD
Owner/Operator City,State,Zip:	ST LOUIS, MO 63167
Owner/Operator Telephone:	314-694-1000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	SOLUTIA INC.
Legal Status:	Private
Date Became Current:	1997-09-22 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	SOLUTIA INC.
Legal Status:	Private
Date Became Current:	2001-04-19 00:00:00.
Date Ended Current:	Not reported

SOLUTIA INC. CARSON SITE (Continued) **1000376909**

Owner/Operator Address:	575 MARYVILLE CENTRE DRIVE
Owner/Operator City,State,Zip:	ST. LOUIS, MO 63141
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	SOLUTIA INC.
Legal Status:	Private
Date Became Current:	2001-04-19 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	575 MARYVILLE CENTRE DRIVE
Owner/Operator City,State,Zip:	ST. LOUIS, MO 63141
Owner/Operator Telephone:	314-674-1000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	SOLUTIA INC.
Legal Status:	Private
Date Became Current:	2001-04-19 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	8192 DEAUVILLE DRIVE
Owner/Operator City,State,Zip:	HUNTINGTON BEACH, CA 92646
Owner/Operator Telephone:	714-963-7624
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	SOLUTIA INC.
Legal Status:	Private
Date Became Current:	1997-09-22 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	8192 DEAUVILLE DRIVE
Owner/Operator City,State,Zip:	HUNTINGTON BEACH, CA 92646
Owner/Operator Telephone:	714-963-7624
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	MONSANTO CO
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	800 N LINDBERGH BLVD
Owner/Operator City,State,Zip:	ST LOUIS, MO 63167
Owner/Operator Telephone:	314-694-1000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	SOLUTIA INC.

SOLUTIA INC. CARSON SITE (Continued) **1000376909**

Legal Status: Private
Date Became Current: 2001-04-19 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: 8192 DEAUVILLE DRIVE
Owner/Operator City,State,Zip: HUNTINGTON BEACH, CA 92646
Owner/Operator Telephone: 714-963-7624
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: MONSANTO CO
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 800 N LINDBERGH BLVD
Owner/Operator City,State,Zip: ST LOUIS, MO 63167
Owner/Operator Telephone: 314-694-1000
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 2010-07-27 00:00:00.0
Handler Name: SOLUTIA INC. CARSON SITE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2012-03-09 00:00:00.0
Handler Name: SOLUTIA INC. CARSON SITE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2016-02-27 00:00:00.0
Handler Name: SOLUTIA INC. CARSON SITE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No

SOLUTIA INC. CARSON SITE (Continued) **1000376909**

Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1993-03-02 00:00:00.0
Handler Name: MONSANTO CHEM CO
Federal Waste Generator Description: Large Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1993-03-02 00:00:00.0
Handler Name: MONSANTO CHEM CO
Federal Waste Generator Description: Small Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1980-08-11 00:00:00.0
Handler Name: MONSANTO CHEM CO
Federal Waste Generator Description: Large Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1990-04-12 00:00:00.0
Handler Name: MONSANTO COMPANY / CARSON PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

SOLUTIA INC. CARSON SITE (Continued) **1000376909**

Receive Date: 1992-02-27 00:00:00.0
Handler Name: MONSANTO COMPANY CARSON PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2008-03-31 00:00:00.0
Handler Name: SOLUTIA INC. CARSON SITE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 32511
NAICS Description: PETROCHEMICAL MANUFACTURING

NAICS Code: 325611
NAICS Description: SOAP AND OTHER DETERGENT MANUFACTURING

NAICS Code: 325612
NAICS Description: POLISH AND OTHER SANITATION GOOD MANUFACTURING

NAICS Code: 53119
NAICS Description: LESSORS OF OTHER REAL ESTATE PROPERTY

Facility Has Received Notices of Violation:
Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 1992-08-21 00:00:00.0
Actual Return to Compliance Date: 1992-09-22 00:00:00.0
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 1992-09-21 00:00:00.0
Enforcement Identifier: 003
Date of Enforcement Action: 1992-08-21 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported

SOLUTIA INC. CARSON SITE (Continued) **1000376909**

Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 1200
Final Monetary Amount: 1200
Paid Amount: Not reported
Final Count: 1
Final Amount: 1200

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - General
Date Violation was Determined: 1987-01-26 00:00:00.0
Actual Return to Compliance Date: 1989-10-30 00:00:00.0
Return to Compliance Qualifier: Unverifiable
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 1987-01-26 00:00:00.0
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: R9EPA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported

SOLUTIA INC. CARSON SITE (Continued) **1000376909**

Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 1989-10-03 00:00:00.0
Actual Return to Compliance Date: 1989-11-07 00:00:00.0
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 1989-10-16 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 1989-10-30 00:00:00.0
Actual Return to Compliance Date: 1990-10-24 00:00:00.0
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 1990-01-11 00:00:00.0
Enforcement Identifier: 002
Date of Enforcement Action: 1989-12-12 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported

SOLUTIA INC. CARSON SITE (Continued) **1000376909**

Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported

SOLUTIA INC. CARSON SITE (Continued) **1000376909**

Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:
Evaluation Date: 1992-08-06 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 1992-09-22 00:00:00.0
Scheduled Compliance Date: 1992-09-21 00:00:00.0
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 1987-01-26 00:00:00.0
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: NON-FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier: R9EPA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 1989-10-30 00:00:00.0
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 1989-10-03 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 1989-11-07 00:00:00.0
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 1989-10-30 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 1990-10-24 00:00:00.0
Scheduled Compliance Date: 1990-01-11 00:00:00.0
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 1992-08-26 00:00:00.0

SOLUTIA INC. CARSON SITE (Continued) **1000376909**

Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

HWP:

EPA ID:	CAD043555366
Name:	SOLUTIA INC
Address:	2100 E 223RD ST
Cleanup Status:	CLOSED
Latitude:	33.82400
Longitude:	-118.2378
Facility Type:	Historical - Non-Operating
Facility Size:	Not reported
Supervisor:	Not reported
Site Code:	Not reported
Senate District:	35
Assembly District:	64
Public Information Officer:	Not reported
Commercial Offsite Facility Types:	Not reported
Quarterly Update:	Not reported
Project Manager Lead:	Not reported
Project Manager:	Not reported
Permit Type:	RCRA
Permit Effective Date:	Not reported

SOLUTIA INC. CARSON SITE (Continued) **1000376909**

Permit Expiration Date: Not reported
Calenviroscreen Score: NA
Total Planned Hours: Not reported
Total Planned Amount: Not reported
Total Actual Hours: Not reported

Activities:

EPA ID: CAD043555366
Facility Type: Historical - Non-Operating
Facility Name: SOLUTIA INC
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Status: CLOSED
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1992-05-04 00:00:00
Type: Not reported
Title Description: Imported 12/2011:PERMIT1
Due Date: Not reported
Comments: Not reported
Unit Names: Not reported
Event Description: New Operating Permit - CALL-IN LETTER ISSUED
Actual Date: 10/31/1991

EPA ID: CAD043555366
Facility Type: Historical - Non-Operating
Facility Name: SOLUTIA INC
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Status: CLOSED
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1992-05-04 00:00:00
Type: Not reported
Title Description: Imported 12/2011:PERMIT1
Due Date: Not reported
Comments: INTENDS/CLOSED ALL WASTE HANDLING FACILITY, INTENDS/CLOSED ALL WASTE HANDLING FACILITY, Approved Request
Unit Names: Not reported
Event Description: New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST RECEIVED
Actual Date: 11/12/1991

EPA ID: CAD043555366
Facility Type: Historical - Non-Operating
Facility Name: SOLUTIA INC
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Status: CLOSED
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1992-05-04 00:00:00
Type: Not reported

SOLUTIA INC. CARSON SITE (Continued) **1000376909**

Title Description: Imported 12/2011:PERMIT1
Due Date: Not reported
Comments: INTENDS/CLOSED ALL WASTE HANDLING FACILITY, INTENDS/CLOSED ALL WASTE HANDLING FACILITY, Approved Request
Unit Names: Not reported
Event Description: New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST ACKNOWLEDGED
Actual Date: 05/04/1992

Closure:
EPA ID: CAD043555366
Facility Type: Historical - Non-Operating
Facility Name: SOLUTIA INC
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Size: Not reported
Facility Status: CLOSED
Activity Type: Closure Final
Final Date: Not reported
Type: Not reported
Title Description: Closure
Due Date: Not reported
Comments: Not reported
Unit Names: BIFBOIL1
Event Description: Closure Final - ISSUE CLOSURE VERIFICATION
Actual Date: 07/01/1993

EPA ID: CAD043555366
Facility Type: Historical - Non-Operating
Facility Name: SOLUTIA INC
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Size: Not reported
Facility Status: CLOSED
Activity Type: Closure Final
Final Date: Not reported
Type: Not reported
Title Description: Closure
Due Date: Not reported
Comments: Not reported
Unit Names: BIFBOIL1
Event Description: Closure Final - RECEIVE CLOSURE CERTIFICATION
Actual Date: 09/23/1992

Alias:
EPA ID: CAD043555366
Facility Type: Historical - Non-Operating
Facility Name: SOLUTIA INC
Facility Status: CLOSED
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Alias Type: FRS
Alias: 110000749281

N71 **STAUFFER MANAGEMENT CO** **RCRA-SQG** **1001217343**
NNW **2201_E_223RD ST OFF SITE** **RESPONSE** **CAR000032516**
1/2-1 **CARSON, CA 90810** **ENVIROSTOR**
0.857 mi. **LUST**
4524 ft. **Site 3 of 3 in cluster N** **CPS-SLIC**
DEED
Relative: Higher **Cortese**
HAZNET
Actual: 23 ft. **HIST CORTESE**
CERS
HWTS

RCRA-SQG:

Date Form Received by Agency:	1997-10-10 00:00:00.0
Handler Name:	STAUFFER MANAGEMENT CO
Handler Address:	2201_E_223RD ST OFF SITE
Handler City,State,Zip:	CARSON, CA 90810
EPA ID:	CAR000032516
Contact Name:	CAROL DICKERSON
Contact Address:	P O BOX 15438
Contact City,State,Zip:	WILMINGTON, DE 19850
Contact Telephone:	302-886-5123
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	P O BOX 15438
Mailing City,State,Zip:	WILMINGTON, DE 19850
Owner Name:	ATKEMIX THIRTY SEVEN INC
Owner Type:	Private
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2006-09-05 00:00:00.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D000
Waste Description:	Not Defined
Waste Code:	D028
Waste Description:	1,2-DICHLOROETHANE

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	ATKEMIX THIRTY SEVEN INC
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	P O BOX 15438
Owner/Operator City,State,Zip:	WILMINGTON, DE 19850
Owner/Operator Telephone:	302-886-5123
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: ATKEMIX THIRTY SEVEN INC
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: P O BOX 15438
Owner/Operator City,State,Zip: WILMINGTON, DE 19850
Owner/Operator Telephone: 302-886-5123
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 1997-10-10 00:00:00.0
Handler Name: STAUFFER MANAGEMENT CO
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1997-10-10 00:00:00.0
Handler Name: STAUFFER MANAGEMENT CO
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1997-10-10 00:00:00.0
Handler Name: STAUFFER MANAGEMENT CO
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

RESPONSE:

Name:	STAUFFER CHEMICAL, CARSON
Address:	2112 EAST 223RD STREET
City,State,Zip:	CARSON, CA 90745
Facility ID:	19280083
Site Type:	State Response
Site Type Detail:	State Response or NPL
Acres:	14.48
National Priorities List:	NO
Cleanup Oversight Agencies:	DTSC
Lead Agency Description:	* DTSC
Project Manager:	Irena Edwards
Supervisor:	Eileen Mananian
Division Branch:	Cleanup Cypress
Site Code:	400264
Site Mgmt. Req.:	NONE SPECIFIED
Assembly:	64
Senate:	35
Special Program Status:	* Site Char & Assess Grant (CERCLA 104)
Status:	Active
Status Date:	04/25/1996
Restricted Use:	YES
Funding:	Responsible Party
Latitude:	33.82323
Longitude:	-118.2356
APN:	NONE SPECIFIED
Past Use:	MANUFACTURING - CHEMICALS
Potential COC :	Vinyl chloride 1,2-Dichloroethane (EDC
Confirmed COC:	Vinyl chloride 1,2-Dichloroethane (EDC
Potential Description:	OTH, SOIL
Alias Name:	AMERICAN CHEMICAL CORP (1959-1975)
Alias Type:	Alternate Name
Alias Name:	ASTRA ZENECA
Alias Type:	Alternate Name
Alias Name:	ATKEMIX 37 INC.
Alias Type:	Alternate Name
Alias Name:	STAUFFER MANAGEMENT COMPANY (1987-CURREN
Alias Type:	Alternate Name
Alias Name:	CAD076941103
Alias Type:	EPA Identification Number
Alias Name:	110000749922
Alias Type:	EPA (FRS #)
Alias Name:	CAD076941103
Alias Type:	HWTS Identification Code
Alias Name:	400264
Alias Type:	Project Code (Site Code)
Alias Name:	19280083
Alias Type:	Envirostor ID Number

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Technical Report
Completed Date:	02/24/2020
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	02/11/2020
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Technical Report
Completed Date:	02/11/2020
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Technical Report
Completed Date:	05/07/2020
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Technical Report
Completed Date:	10/09/2019
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	11/09/2020
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	04/20/2021
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Land Use Restriction Monitoring Report
Completed Date:	04/20/2021
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Technical Workplan
Completed Date:	03/16/2021
Comments:	Not reported
Completed Area Name:	Groundwater Operable Unit
Completed Sub Area Name:	Not reported

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Completed Document Type: Design/Implementation Workplan
Completed Date: 04/25/2011
Comments: Approval letter sent to Stauffer on April 25, 2011

Completed Area Name: Soil Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Constructed: Operating Properly & Successfully
Completed Date: 02/18/1999
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 05/18/2011
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Feasibility Study Report
Completed Date: 03/05/2008
Comments: DTSC approval letter was sent to Stauffer on 3/5/08

Completed Area Name: Soil Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 12/31/1997
Comments: Soil remedial Design and Implementation Plans were approved by DTSC.

Completed Area Name: Soil Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 06/25/1997
Comments: DTSC approved soil RAP and Negative Declaration. The selected alternative addresses the soil operable unit as an interim measure. The project includes vapor and liquid extraction with vapor and liquid treatment for soils. The interim cleanup number for 1,2, DCA is 20 ppm.

Completed Area Name: Soil Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 01/30/1997
Comments: DTSC reviewed and approved the revised Feasibility Study report. This completes the approval of the RI/FS for the soil operable unit.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 03/16/1981
Comments: FACILITY IDENTIFIED LA COUNTY ENGNEER'S FILE #04706

Completed Area Name: Soil Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Mitigated Neg. Dec. (MND)
Completed Date: 06/25/1997
Comments: Not reported

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Consent Order
Completed Date:	06/27/1994
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Certification
Completed Date:	10/15/2013
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Amendment - Order/Agreement
Completed Date:	04/07/1999
Comments:	Not reported
Completed Area Name:	Groundwater Operable Unit
Completed Sub Area Name:	Not reported
Completed Document Type:	CEQA - Initial Study/ Neg. Declaration
Completed Date:	06/25/2009
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence
Completed Date:	10/31/2011
Comments:	Not reported
Completed Area Name:	Groundwater Operable Unit
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedy Construction Complete
Completed Date:	10/20/2011
Comments:	Selected Remedy for the Groundwater Operable Unit is construction and operation of an Enhanced In-situ Bioremediation System (EISB). Full scale operation of the EISB system was initiated on October 20, 2011
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Land Use Restriction
Completed Date:	09/04/2013
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	11/01/2011
Comments:	Annual annual cost estimate for 2012 completed on 11/1/2011
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	11/05/2012
Comments:	Not reported
Completed Area Name:	Groundwater Operable Unit

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/12/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 03/08/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/20/2013
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Operation & Maintenance Order/Agreement
Completed Date: 06/22/2015
Comments: .

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/16/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/05/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 09/01/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/07/2016
Comments: FY 2016/2017 ACE completed.

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/15/2015
Comments: Stauffer submits the Waste Discharge Report to the RWQCB and no need to send a separate approval letter.

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Completed Date: 02/10/2016
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Design
Completed Date: 02/22/2016
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 05/24/2016
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/20/2017
Comments: Action completed.

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 08/30/2017
Comments: Action completed.

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 05/24/2017
Comments: Action completed.

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 08/30/2017
Comments: Review completed.

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/11/2017
Comments: Action completed. DTSC submitted comments on July 11, 2017.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 12/07/2018
Comments: Activity completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/12/2018
Comments: Activity completed.

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 12/07/2018
Comments: Activity completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 02/08/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 03/20/2018
Comments: Activity completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 01/07/2019
Comments: Activity completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 01/11/2018
Comments: Activity completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 03/27/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/22/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/06/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 02/24/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Completed Date: 03/03/2020
Comments: Not reported

Completed Area Name: Soil Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 11/28/2007
Comments: Comments on the Pneumatic Fracturing Pilot Project Report were submitted via email on 11/28/2008

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/05/2008
Comments: This report was not a milestone document. It was prepared at the request of DTSC so that all the data on past groundwater investigation activities could be found in one report. No formal approval was necessary

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/08/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 01/30/2008
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 02/15/2008
Comments: Approved.

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/01/2008
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 04/13/2009
Comments: Approval Letter for January 30, 2009 Groundwater Feasibility Study Report transmitted to Stauffer Chemical Company on 4/13/2009

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/16/2008
Comments: Final October 2008 Groundwater Monitoring Report submitted to DTSC on November 11, 2009. DTSC GSU reviewed and had not substative comments

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Completed Area Name:	Groundwater Operable Unit
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	11/30/2009
Comments:	October GW Monitorng Report submittied to DTSC on November 30, 2009
Completed Area Name:	Groundwater Operable Unit
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	09/14/2010
Comments:	Stauffer submitted October 2009 quarterly Groundwater Monitoring Report on 10/24/2009
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Deed/LUR Enforcement & Implementation Plan
Completed Date:	12/21/2005
Comments:	Not reported
Completed Area Name:	Groundwater Operable Unit
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	04/13/2011
Comments:	October 2010 Groundwater Monitoring Report is acceptable to DTSC, no comments were necessary
Completed Area Name:	Soil Operable Unit
Completed Sub Area Name:	Not reported
Completed Document Type:	5 Year Review Reports
Completed Date:	05/23/2011
Comments:	Comments on Second Five Year Report were sent to Stauffer on 5/23/2011 Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	01/12/2011
Comments:	Monthly Progress Report Submitted on 1/12/2011
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	02/14/2011
Comments:	Monthly Progress Report submitted on 2/14/2011
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	03/14/2011
Comments:	February Progress Report was submitted on 3/14/2011
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	08/12/2011
Comments:	July 2011 Progress Report Submitted on 08/12/2011

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/29/2011
Comments: Monthly Progress Report Submitted on 7/29/201

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/29/2011
Comments: ....

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/19/2011
Comments: June Progress Report submitted on 7/19/2011

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/19/2011
Comments: June 2011 Monthly Progress Report submitted on July 19, 2011

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/14/2011
Comments: September 2100 Monthly Progress Report was submitted on October 14, 2011

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/14/2011
Comments: August 2011 Monthly Progress Report was submitted on September 14, 2011

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/15/2011
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/13/2011
Comments: April 2011 Quarterly Groundwater Monitoring Report was submitted to DTSC on July 13, 2011

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/17/2012
Comments: Final January 2012 Monthly Progress Report submitted to DTSC on 2/15/2012. No DTSC comment or approval necessary

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/23/2012
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/27/2012
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/31/2012
Comments: April 2012 Monthly Progress Report was submitted to DTSC on 5/31/2012

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/27/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/27/2012
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/18/2012
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/09/2013
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/18/2012
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 04/09/2013
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Completed Date: 03/26/2013
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/11/2013
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/25/2013
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Plan Amendment
Completed Date: 07/25/2013
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Plan Amendment
Completed Date: 08/15/2013
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/30/2013
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/01/2013
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/22/2013
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/11/2013
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/11/2013
Comments: Not reported

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/11/2013
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/12/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Financial Assurance Documentation
Completed Date: 03/17/2015
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 02/04/2014
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/27/2014
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/07/2014
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/30/2014
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/30/2014
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/30/2014
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Completed Date: 08/04/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Financial Assurance Documentation
Completed Date: 10/22/2014
Comments: Tizita Bekele of DTSC's Financial Cost Estimate Validation Group reviewed the cost estimate and approved it on July 9, 2014

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Design
Completed Date: 12/17/2014
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/12/2015
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/15/2016
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/11/2015
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/01/2015
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/17/2015
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/30/2015
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/15/2015
Comments: Not reported

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/15/2016
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/14/2017
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 07/15/2015
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/04/2016
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/04/2016
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 09/28/2016
Comments: Review completed.

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 09/28/2016
Comments: Review completed.

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 02/25/2015
Comments: Tayseer Mahmoud provided field oversight on February 24, 2016. Also, on February 25, 2016 Jose Marcos observed a portion of the quarterly groundwater sampling event. Jose met the sampler Edwin Moncoya and observed him performing parameter stabilization monitoring and sample collection from the flow loops inside the EISB building.

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 02/25/2016
Comments: Tayseer Mahmoud provided field oversight on February 24, 2016. Also,

STAUFFER MANAGEMENT CO (Continued) **1001217343**

on February 25, 2016, Jose Marcos observed a portion of the quarterly groundwater sampling event. Jose met the sampler, Edwin Moncoya, and observed him performing parameter stabilization monitoring and sample collection from the flow loops inside the EISB building.

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 11/20/2014
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 11/20/2014
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/07/2015
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/07/2015
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/07/2015
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/07/2015
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 04/01/2015
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/15/2015
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/15/2014

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/15/2013
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 07/27/2015
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Well Decommissioning Workplan
Completed Date: 10/06/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 11/22/2017
Comments: Action completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/27/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/27/2018
Comments: Completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/21/2018
Comments: Activity completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 12/07/2018
Comments: Activity completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 12/07/2018
Comments: Activity completed.

Completed Area Name: PROJECT WIDE

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/30/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/03/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/03/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 02/24/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/30/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/25/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/19/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/30/2019
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

STAUFFER MANAGEMENT CO (Continued) **1001217343**

ENVIROSTOR:

Name:	STAUFFER CHEMICAL, CARSON
Address:	2112 EAST 223RD STREET
City,State,Zip:	CARSON, CA 90745
Facility ID:	19280083
Status:	Active
Status Date:	04/25/1996
Site Code:	400264
Site Type:	State Response
Site Type Detailed:	State Response or NPL
Acres:	14.48
NPL:	NO
Regulatory Agencies:	DTSC
Lead Agency:	DTSC
Program Manager:	Irena Edwards
Supervisor:	Eileen Mananian
Division Branch:	Cleanup Cypress
Assembly:	64
Senate:	35
Special Program:	* Site Char & Assess Grant (CERCLA 104)
Restricted Use:	YES
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	33.82323
Longitude:	-118.2356
APN:	NONE SPECIFIED
Past Use:	MANUFACTURING - CHEMICALS
Potential COC:	Vinyl chloride 1,2-Dichloroethane (EDC
Confirmed COC:	Vinyl chloride 1,2-Dichloroethane (EDC
Potential Description:	OTH, SOIL
Alias Name:	AMERICAN CHEMICAL CORP (1959-1975)
Alias Type:	Alternate Name
Alias Name:	ASTRA ZENECA
Alias Type:	Alternate Name
Alias Name:	ATKEMIX 37 INC.
Alias Type:	Alternate Name
Alias Name:	STAUFFER MANAGEMENT COMPANY (1987-CURREN
Alias Type:	Alternate Name
Alias Name:	CAD076941103
Alias Type:	EPA Identification Number
Alias Name:	110000749922
Alias Type:	EPA (FRS #)
Alias Name:	CAD076941103
Alias Type:	HWTS Identification Code
Alias Name:	400264
Alias Type:	Project Code (Site Code)
Alias Name:	19280083
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Technical Report
Completed Date:	02/24/2020
Comments:	Not reported
Completed Area Name:	PROJECT WIDE

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/11/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 02/11/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 05/07/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/09/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/09/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/20/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 04/20/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 03/16/2021
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 04/25/2011
Comments: Approval letter sent to Stauffer on April 25, 2011

Completed Area Name: Soil Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Constructed: Operating Properly & Successfully
Completed Date: 02/18/1999

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 05/18/2011
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Feasibility Study Report
Completed Date: 03/05/2008
Comments: DTSC approval letter was sent to Stauffer on 3/5/08

Completed Area Name: Soil Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 12/31/1997
Comments: Soil remedial Design and Implementation Plans were approved by DTSC.

Completed Area Name: Soil Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 06/25/1997
Comments: DTSC approved soil RAP and Negative Declaration. The selected alternative addresses the soil operable unit as an interim measure. The project includes vapor and liquid extraction with vapor and liquid treatment for soils. The interim cleanup number for 1,2, DCA is 20 ppm.

Completed Area Name: Soil Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 01/30/1997
Comments: DTSC reviewed and approved the revised Feasibility Study report. This completes the approval of the RI/FS for the soil operable unit.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 03/16/1981
Comments: FACILITY IDENTIFIED LA COUNTY ENGNEER'S FILE #04706

Completed Area Name: Soil Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Mitigated Neg. Dec. (MND)
Completed Date: 06/25/1997
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 06/27/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Completed Document Type: Certification
Completed Date: 10/15/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 04/07/1999
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 06/25/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 10/31/2011
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Construction Complete
Completed Date: 10/20/2011
Comments: Selected Remedy for the Groundwater Operable Unit is construction and operation of an Enhanced In-situ Bioremediation System (EISB). Full scale operation of the EISB system was initiated on October 20, 2011

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 09/04/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/01/2011
Comments: Annual annual cost estimate for 2012 completed on 11/1/2011

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/05/2012
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/12/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Completed Date: 03/08/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/20/2013
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Operation & Maintenance Order/Agreement
Completed Date: 06/22/2015
Comments: .

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/16/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/05/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 09/01/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/07/2016
Comments: FY 2016/2017 ACE completed.

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/15/2015
Comments: Stauffer submits the Waste Discharge Report to the RWQCB and no need to send a separate approval letter.

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 02/10/2016
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Design
Completed Date: 02/22/2016
Comments: Not reported

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 05/24/2016
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/20/2017
Comments: Action completed.

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 08/30/2017
Comments: Action completed.

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 05/24/2017
Comments: Action completed.

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 08/30/2017
Comments: Review completed.

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/11/2017
Comments: Action completed. DTSC submitted comments on July 11, 2017.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 12/07/2018
Comments: Activity completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/12/2018
Comments: Activity completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 12/07/2018
Comments: Activity completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Completed Date: 02/08/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 03/20/2018
Comments: Activity completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 01/07/2019
Comments: Activity completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 01/11/2018
Comments: Activity completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 03/27/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/22/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/06/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 02/24/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 03/03/2020
Comments: Not reported

Completed Area Name: Soil Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 11/28/2007
Comments: Comments on the Pneumatic Fracturing Pilot Project Report were submitted via email on 11/28/2008

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/05/2008
Comments: This report was not a milestone document. It was prepared at the request of DTSC so that all the data on past groundwater investigation activities could be found in one report. No formal approval was necessary

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/08/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 01/30/2008
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 02/15/2008
Comments: Approved.

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/01/2008
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 04/13/2009
Comments: Approval Letter for January 30, 2009 Groundwater Feasibility Study Report transmitted to Stauffer Chemical Company on 4/13/2009

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/16/2008
Comments: Final October 2008 Groundwater Monitoring Report submitted to DTSC on November 11, 2009. DTSC GSU reviewed and had not substative comments

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/30/2009
Comments: October GW Monitorng Report submittied to DTSC on November 30, 2009

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/14/2010

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Comments:	Stauffer submitted October 2009 quarterly Groundwater Monitoring Report on 10/24/2009
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Deed/LUR Enforcement & Implementation Plan
Completed Date:	12/21/2005
Comments:	Not reported
Completed Area Name:	Groundwater Operable Unit
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	04/13/2011
Comments:	October 2010 Groundwater Monitoring Report is acceptable to DTSC, no comments were necessary
Completed Area Name:	Soil Operable Unit
Completed Sub Area Name:	Not reported
Completed Document Type:	5 Year Review Reports
Completed Date:	05/23/2011
Comments:	Comments on Second Five Year Report were sent to Stauffer on 5/23/2011 Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	01/12/2011
Comments:	Monthly Progress Report Submitted on 1/12/2011
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	02/14/2011
Comments:	Monthly Progress Report submitted on 2/14/2011
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	03/14/2011
Comments:	February Progress Report was submitted on 3/14/2011
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	08/12/2011
Comments:	July 2011 Progress Report Submitted on 08/12/2011
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	07/29/2011
Comments:	Monthly Progress Report Submitted on 7/29/201
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	07/29/2011

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Comments: ....

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/19/2011
Comments: June Progress Report submitted on 7/19/2011

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/19/2011
Comments: June 2011 Monthly Progress Report submitted on July 19, 2011

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/14/2011
Comments: September 2100 Monthly Progress Report was submitted on October 14, 2011

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/14/2011
Comments: August 2011 Monthly Progress Report was submitted on September 14, 2011

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/15/2011
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/13/2011
Comments: April 2011 Quarterly Groundwater Monitoring Report was submitted to DTSC on July 13, 2011

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/17/2012
Comments: Final January 2012 Monthly Progress Report submitted to DTSC on 2/15/2012. No DTSC comment or approval necessary

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/23/2012
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Completed Date: 12/27/2012
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/31/2012
Comments: April 2012 Monthly Progress Report was submitted to DTSC on 5/31/2012

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/27/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/27/2012
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/18/2012
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/09/2013
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/18/2012
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 04/09/2013
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/26/2013
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/11/2013
Comments: Not reported

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/25/2013
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Plan Amendment
Completed Date: 07/25/2013
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Plan Amendment
Completed Date: 08/15/2013
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/30/2013
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/01/2013
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/22/2013
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/11/2013
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/11/2013
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/11/2013
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Completed Date: 12/12/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Financial Assurance Documentation
Completed Date: 03/17/2015
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 02/04/2014
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/27/2014
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/07/2014
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/30/2014
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/30/2014
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/30/2014
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/04/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Financial Assurance Documentation
Completed Date: 10/22/2014
Comments: Tizita Bekele of DTSC's Financial Cost Estimate Validation Group reviewed the cost estimate and approved it on July 9, 2014

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Design
Completed Date: 12/17/2014
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/12/2015
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/15/2016
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/11/2015
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/01/2015
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/17/2015
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/30/2015
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/15/2015
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/15/2016
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Completed Date: 02/14/2017
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 07/15/2015
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/04/2016
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/04/2016
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 09/28/2016
Comments: Review completed.

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 09/28/2016
Comments: Review completed.

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 02/25/2015
Comments: Tayseer Mahmoud provided field oversight on February 24, 2016. Also, on February 25, 2016 Jose Marcos observed a portion of the quarterly groundwater sampling event. Jose met the sampler Edwin Moncoya and observed him performing parameter stabilization monitoring and sample collection from the flow loops inside the EISB building.

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 02/25/2016
Comments: Tayseer Mahmoud provided field oversight on February 24, 2016. Also, on February 25, 2016, Jose Marcos observed a portion of the quarterly groundwater sampling event. Jose met the sampler, Edwin Moncoya, and observed him performing parameter stabilization monitoring and sample collection from the flow loops inside the EISB building.

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 11/20/2014

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 11/20/2014
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/07/2015
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/07/2015
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/07/2015
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/07/2015
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 04/01/2015
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/15/2015
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/15/2014
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/15/2013
Comments: Not reported

Completed Area Name: Groundwater Operable Unit

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 07/27/2015
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Well Decommissioning Workplan
Completed Date: 10/06/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 11/22/2017
Comments: Action completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/27/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/27/2018
Comments: Completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/21/2018
Comments: Activity completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 12/07/2018
Comments: Activity completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 12/07/2018
Comments: Activity completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/30/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/03/2019

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/03/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 02/24/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/30/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/25/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/19/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/30/2019
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: R-04706
Status: Leak being confirmed
Substance: 1
Substance Quantity: Not reported
Local Case No: Not reported

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Case Type:	Groundwater	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603704651	
W Global ID:	Not reported	
Staff:	TOX	
Local Agency:	19000	
Cross Street:	ALAMEDA ST	
Enforcement Type:	Not reported	
Date Leak Discovered:	1/1/1993	
Date Leak First Reported:		1/1/1993
Date Leak Record Entered:	11/8/1996	
Date Confirmation Began:	1/1/1993	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		10/30/1996
Date the Case was Closed:		Not reported
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	Not reported	
Leak Source:	Not reported	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		1217.3822103322630930479828887
Source of Cleanup Funding:		Not reported
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	BLANK RP	
RP Address:	Not reported	
Program:	LOCNL	
Lat/Long:	33.8241903 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	Not reported	

CPS-SLIC:

Name:	STAUFFER MANAGEMENT CO
Address:	2112 223RD ST E
City,State,Zip:	CARSON, CA 90810
Region:	STATE
Facility Status:	**Open - Site Assessment**

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Status Date:	01/01/1993
Global Id:	T0603704651
Lead Agency:	LOS ANGELES COUNTY
Lead Agency Case Number:	Not reported
Latitude:	33.8241903
Longitude:	-118.2372402
Case Type:	Cleanup Program Site
Case Worker:	JOA
Local Agency:	LOS ANGELES COUNTY
RB Case Number:	R-04706
File Location:	Not reported
Potential Media Affected:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Aviation
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

SLIC REG 4:

Region:	4
Facility Status:	Site Assessment
SLIC:	0496B6
Substance:	Not reported
Staff:	SSH

DEED:

Name:	STAUFFER CHEMICAL, CARSON
Address:	2112 EAST 223RD STREET
City,State,Zip:	CARSON, CA 90745
Envirostor ID:	19280083
Area:	PROJECT WIDE
Sub Area:	Not reported
Site Type:	STATE RESPONSE
Status:	ACTIVE
Agency:	Not reported
Covenant Uploaded:	Not reported
Deed Date(s):	09/04/2013
File Name:	Envirostor Land Use Restrictions

CORTESE:

Name:	STAUFFER CHEMICAL, CARSON
Address:	2112 EAST 223RD STREET
City,State,Zip:	CARSON, CA 90745
Region:	CORTESE
Envirostor Id:	19280083
Global ID:	Not reported
Site/Facility Type:	STATE RESPONSE
Cleanup Status:	ACTIVE - LAND USE RESTRICTIONS
Status Date:	04/25/1996
Site Code:	400264
Latitude:	33.823234
Longitude:	-118.23562
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	envirostor
Order No:	Not reported

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Haz Waste & Substances Sites

HAZNET:

Name:	STAUFFER MANAGEMENT CO
Address:	2201_E_223RD ST OFF SITE
Address 2:	Not reported
City,State,Zip:	CARSON, CA 908100000
Contact:	MS CAROL DICKERSON, HYDROGEO A
Telephone:	3028865123
Mailing Name:	Not reported
Mailing Address:	PO BOX 15437 BANCROFT 1
Year:	1997
Gepaid:	CAR000032516
TSD EPA ID:	CAT080013352
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	R01 - Recycler
Tons:	2.1

Additional Info:

Year:	1997
Gen EPA ID:	CAR000032516
Shipment Date:	19971106
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19971112
Manifest ID:	96626006
Trans EPA ID:	CAD072953771
Trans Name:	Not reported
Trans 2 EPA ID:	CAD028277036
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	1.47
Waste Quantity:	350
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19971106

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Creation Date:	7/23/1998 0:00:00
Receipt Date:	19971112
Manifest ID:	96626006
Trans EPA ID:	CAD072953771
Trans Name:	Not reported
Trans 2 EPA ID:	CAD028277036
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D028
Meth Code:	R01 - Recycler
Quantity Tons:	0.63
Waste Quantity:	150
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HIST CORTESE:

edr_fname:	STAUFFER CHEMICAL, CARSON
edr_fadd1:	2112 223RD
City,State,Zip:	CARSON, CA 90745
Region:	CORTESE
Facility County Code:	19
Reg By:	CALSI
Reg Id:	19280083

edr_fname:	STAUFFER MANAGEMENT CO
edr_fadd1:	2112 223RD
City,State,Zip:	CARSON, CA 90745
Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	R-04706

CERS:

Name:	STAUFFER MANAGEMENT CO
Address:	2112 223RD ST E
City,State,Zip:	CARSON, CA 90810
Site ID:	200152
CERS ID:	T0603704651
CERS Description:	Cleanup Program Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	JOHN AWUJO - LOS ANGELES COUNTY
Entity Title:	Not reported
Affiliation Address:	900 S FREMONT AVE
Affiliation City:	ALHAMBRA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Affiliation Phone: 6264583507

Affiliation Type Desc: Regional Board Caseworker
Entity Name: DTSC - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 1011 N. GRANDVIEW AVE.
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

HWTS:
Name: STAUFFER MANAGEMENT CO
Address: 2201_E_223RD ST OFF SITE
Address 2: Not reported
City,State,Zip: CARSON, CA 908100000
EPA ID: CAR000032516
Inactive Date: 06/30/2002
Create Date: 05/13/1998
Last Act Date: 07/06/2010
Mailing Name: Not reported
Mailing Address: PO BOX 15437 BANCROFT 1
Mailing Address 2: Not reported
Mailing City,State,Zip: WILMINGTON, DE 198505437
Owner Name: ATKEMIX THIRTY SEVEN INC
Owner Address: P O BOX 15437
Owner Address 2: Not reported
Owner City,State,Zip: WILMINGTON, DE 198505437
Contact Name: MS CAROL DICKERSON, HYDROGEO A
Contact Address: PO BOX 15437 BANCROFT 1
Contact Address 2: Not reported
City,State,Zip: WILMINGTON, DE 198505437

---

72 **223RD ST./DOMINGUEZ CHANNEL** **Notify 65** **S100178696**
NW **N/A**
1/2-1 **CARSON, CA**
0.988 mi.
5219 ft.

Relative:
Lower

Actual:
19 ft.

NOTIFY 65:
Name: 223RD ST./DOMINGUEZ CHANNEL
Address: Not reported
City,State,Zip: CARSON, CA
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Issue Date: Not reported
Incident Description: Not reported
Global ID: Not reported
Status: Not reported

Count: 15 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
CARSON	S114724600	ALAMEDA STREET LANDFILL	22700 SO ALAMEDA ST		RGA LF
CARSON	S121614644	23000 ALAMEDA STREET	23000 ALAMEDA STREET	90745	CIWQS
CARSON	S105911484	ACTA SOUTH - PARCEL SE-351	ALAMEDA	90810	CPS-SLIC
CARSON	S105911480	ACTA SOUTH - PARCEL SE-352/353	ALAMEDA	90810	CPS-SLIC
CARSON	S105911479	ACTA SOUTH - PARCEL SE-349	ALAMEDA	90810	CPS-SLIC
CARSON	S105911485	ACTA SOUTH - PARCEL SE-362	ALAMEDA	90745	CPS-SLIC
CARSON	S105911481	ACTA SOUTH - PARCEL SE-358	ALAMEDA	90745	CPS-SLIC
CARSON	S101480710	TED HAMMETT (CARSON)	EAST OF ALAMEDA & NORTH OF SEP	90745	ENVIROSTOR
CARSON	1023308318	CARSON ALAMEDA STREET PUBLIC DUMP	22700 (22746?) S. ALAMEDA STRE	90810	FINDS
CARSON	1005454810	CHEMOIL TANK FARM & TERMINAL	2365 SEPULVEDA	90810	CPS-SLIC
CARSON	S101295816	GATX TERMIMALS CORP	2000 SEPULVEDA BLVD E	90745	LUST, HIST CORTESE
CARSON	S106386938	SOUTHERN CALIFORNIA GAS COMPANY	SEPULVEDA	90745	CPS-SLIC
WILMINGTON	S103878605	ORYX ENERGY CO.	ALAMEDA	90744	CPS-SLIC
WILMINGTON	S106387111	ACTA SOUTH - PARCEL SE-372	ALAMEDA	90744	CPS-SLIC
WILMINGTON	S126327104	MIGUS357006 G OFFSITE WELLS	250 E FT OF ALAMEDA ST & EAST	90744	CERS HAZ WASTE

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 07/29/2021
Date Data Arrived at EDR: 08/04/2021
Date Made Active in Reports: 08/31/2021
Number of Days to Update: 27

Source: EPA
Telephone: N/A
Last EDR Contact: 09/01/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 3
Telephone 215-814-5418

EPA Region 4
Telephone 404-562-8033

EPA Region 5
Telephone 312-886-6686

EPA Region 10
Telephone 206-553-8665

EPA Region 6
Telephone: 214-655-6659

EPA Region 7
Telephone: 913-551-7247

EPA Region 8
Telephone: 303-312-6774

EPA Region 9
Telephone: 415-947-4246

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 07/29/2021
Date Data Arrived at EDR: 08/04/2021
Date Made Active in Reports: 08/31/2021
Number of Days to Update: 27

Source: EPA
Telephone: N/A
Last EDR Contact: 09/01/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 07/29/2021
Date Data Arrived at EDR: 08/04/2021
Date Made Active in Reports: 08/31/2021
Number of Days to Update: 27

Source: EPA
Telephone: N/A
Last EDR Contact: 09/01/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 02/22/2021
Date Data Arrived at EDR: 03/30/2021
Date Made Active in Reports: 06/17/2021
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 06/23/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 07/29/2021
Date Data Arrived at EDR: 08/04/2021
Date Made Active in Reports: 08/31/2021
Number of Days to Update: 27

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/01/2021
Next Scheduled EDR Contact: 10/25/2021
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 07/29/2021
Date Data Arrived at EDR: 08/04/2021
Date Made Active in Reports: 08/31/2021
Number of Days to Update: 27

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/01/2021
Next Scheduled EDR Contact: 10/25/2021
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/21/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/21/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/21/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/21/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/21/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/10/2021
Date Data Arrived at EDR: 05/13/2021
Date Made Active in Reports: 08/03/2021
Number of Days to Update: 82

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 08/05/2021
Next Scheduled EDR Contact: 11/22/2021
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 05/17/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/23/2021
Next Scheduled EDR Contact: 12/06/2021
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 05/17/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/23/2021
Next Scheduled EDR Contact: 12/06/2021
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 06/14/2021
Date Data Arrived at EDR: 06/17/2021
Date Made Active in Reports: 08/17/2021
Number of Days to Update: 61

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 04/23/2021
Date Data Arrived at EDR: 04/23/2021
Date Made Active in Reports: 07/12/2021
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/22/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 04/23/2021
Date Data Arrived at EDR: 04/23/2021
Date Made Active in Reports: 07/12/2021
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/22/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/10/2021
Date Data Arrived at EDR: 05/11/2021
Date Made Active in Reports: 07/27/2021
Number of Days to Update: 77

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 08/10/2021
Next Scheduled EDR Contact: 11/22/2021
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST REG 2: Fuel Leak List
Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing
For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List
Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)

Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/24/2021
Number of Days to Update: 82

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Quarterly

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/09/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 10/01/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 11/12/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/07/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 09/30/2020
Date Data Arrived at EDR: 12/22/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 80
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 10/02/2020
Date Data Arrived at EDR: 12/18/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 84
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/01/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/08/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)
Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/24/2021
Number of Days to Update: 82
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: No Update Planned

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/29/2021
Date Data Arrived at EDR: 02/17/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 33

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Varies

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases
UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 05/20/2021
Date Data Arrived at EDR: 06/04/2021
Date Made Active in Reports: 08/30/2021
Number of Days to Update: 87

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 06/04/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/24/2021
Number of Days to Update: 82

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Semi-Annually

MILITARY UST SITES: Military UST Sites (GEOTRACKER)

Military ust sites

Date of Government Version: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/24/2021
Number of Days to Update: 82

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 06/08/2021
Next Scheduled EDR Contact: 09/27/2021
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/01/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 11/12/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 10/01/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 10/02/2020
Date Data Arrived at EDR: 12/18/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 84

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 10/07/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 09/30/2020
Date Data Arrived at EDR: 12/22/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 80

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 10/09/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 04/08/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 06/15/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: No Update Planned

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 04/23/2021
Date Data Arrived at EDR: 04/23/2021
Date Made Active in Reports: 07/12/2021
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/22/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Quarterly

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 07/08/2021
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: No Update Planned

State and tribal Brownfields sites

BROWNFIELDS: Considered Brownfieds Sites Listing

A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 06/10/2021
Number of Days to Update: 79

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/10/2021
Date Data Arrived at EDR: 06/10/2021
Date Made Active in Reports: 08/17/2021
Number of Days to Update: 68

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/10/2021
Next Scheduled EDR Contact: 09/27/2021
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 07/20/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 06/04/2021
Date Data Arrived at EDR: 06/04/2021
Date Made Active in Reports: 08/27/2021
Number of Days to Update: 84

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/04/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 11/23/2020
Date Data Arrived at EDR: 11/23/2020
Date Made Active in Reports: 02/08/2021
Number of Days to Update: 77

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 08/17/2021
Next Scheduled EDR Contact: 11/22/2021
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 07/20/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 07/13/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 07/20/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 05/18/2021
Date Data Arrived at EDR: 05/18/2021
Date Made Active in Reports: 08/03/2021
Number of Days to Update: 77

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/17/2021
Next Scheduled EDR Contact: 12/06/2021
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 04/23/2021
Date Data Arrived at EDR: 04/23/2021
Date Made Active in Reports: 07/12/2021
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/22/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 01/20/2021
Date Made Active in Reports: 04/08/2021
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 08/10/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Varies

CERS HAZ WASTE: CERS HAZ WASTE

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

Date of Government Version: 04/19/2021
Date Data Arrived at EDR: 04/20/2021
Date Made Active in Reports: 07/07/2021
Number of Days to Update: 78

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 07/15/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 05/18/2021
Date Data Arrived at EDR: 05/18/2021
Date Made Active in Reports: 08/03/2021
Number of Days to Update: 77

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/17/2021
Next Scheduled EDR Contact: 12/06/2021
Data Release Frequency: Quarterly

PFAS: PFAS Contamination Site Location Listing

A listing of PFAS contaminated sites included in the GeoTracker database.

Date of Government Version: 06/04/2021
Date Data Arrived at EDR: 06/04/2021
Date Made Active in Reports: 08/27/2021
Number of Days to Update: 84

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 08/26/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing

Aboveground storage tank sites

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/07/2021
Date Made Active in Reports: 07/23/2021
Number of Days to Update: 77

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 07/26/2021
Next Scheduled EDR Contact: 11/14/2021
Data Release Frequency: Varies

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CERS TANKS: California Environmental Reporting System (CERS) Tanks

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 04/19/2021
Date Data Arrived at EDR: 04/20/2021
Date Made Active in Reports: 07/07/2021
Number of Days to Update: 78

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 07/15/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Quarterly

Local Land Records

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 05/27/2021
Date Data Arrived at EDR: 05/28/2021
Date Made Active in Reports: 08/20/2021
Number of Days to Update: 84

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/24/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 07/29/2021
Date Data Arrived at EDR: 08/04/2021
Date Made Active in Reports: 08/31/2021
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 09/01/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 05/28/2021
Date Data Arrived at EDR: 05/28/2021
Date Made Active in Reports: 08/20/2021
Number of Days to Update: 84

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 08/31/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/24/2021
Date Made Active in Reports: 06/17/2021
Number of Days to Update: 85

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System
California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 04/04/2021
Date Data Arrived at EDR: 04/20/2021
Date Made Active in Reports: 07/07/2021
Number of Days to Update: 78

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 07/15/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)
Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/24/2021
Number of Days to Update: 82

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)
Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/24/2021
Number of Days to Update: 82

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch
Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/21/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 05/04/2021
Date Data Arrived at EDR: 05/18/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 85

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 08/17/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 07/13/2021
Next Scheduled EDR Contact: 10/25/2021
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 07/09/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 08/06/2021
Next Scheduled EDR Contact: 11/22/2021
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 06/17/2021
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 06/21/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 07/26/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: No Update Planned

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 08/06/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/17/2020
Date Made Active in Reports: 09/10/2020
Number of Days to Update: 85

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 09/27/2021
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 08/14/2020
Date Made Active in Reports: 11/04/2020
Number of Days to Update: 82

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 08/17/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 04/19/2021
Date Data Arrived at EDR: 04/20/2021
Date Made Active in Reports: 07/16/2021
Number of Days to Update: 87

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/19/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 07/29/2021
Date Data Arrived at EDR: 08/04/2021
Date Made Active in Reports: 08/31/2021
Number of Days to Update: 27

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 09/01/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 05/07/2021
Date Data Arrived at EDR: 05/13/2021
Date Made Active in Reports: 08/03/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 07/14/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 03/05/2021
Number of Days to Update: 50

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 09/01/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 11/19/2020
Date Data Arrived at EDR: 01/08/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 73

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 07/09/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: No Update Planned

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/11/2021
Date Made Active in Reports: 05/11/2021
Number of Days to Update: 61

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 07/14/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 12/01/2020
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 70

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 05/27/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 08/31/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 08/06/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 06/22/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: No Update Planned

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data
Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80
Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 07/23/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees
Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 07/14/2021
Date Made Active in Reports: 07/16/2021
Number of Days to Update: 2

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 07/02/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 11/20/2020
Number of Days to Update: 151

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 06/21/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 07/02/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Varies

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 07/23/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 08/12/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 07/29/2021
Date Data Arrived at EDR: 08/04/2021
Date Made Active in Reports: 08/31/2021
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 09/01/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: No Update Planned

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: No Update Planned

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 05/27/2021
Date Data Arrived at EDR: 05/27/2021
Date Made Active in Reports: 06/10/2021
Number of Days to Update: 14

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 08/25/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: Quarterly

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 05/03/2021
Date Data Arrived at EDR: 05/25/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 78

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 08/24/2021
Next Scheduled EDR Contact: 12/06/2021
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 05/06/2020
Date Data Arrived at EDR: 05/27/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 78

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/26/2021
Next Scheduled EDR Contact: 12/06/2021
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/26/2021
Next Scheduled EDR Contact: 12/06/2021
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 06/15/2021
Date Data Arrived at EDR: 06/16/2021
Date Made Active in Reports: 08/17/2021
Number of Days to Update: 62

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 08/31/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 05/05/2021
Date Data Arrived at EDR: 05/18/2021
Date Made Active in Reports: 08/17/2021
Number of Days to Update: 91

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 08/31/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 07/02/2020
Date Made Active in Reports: 09/17/2020
Number of Days to Update: 77

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 07/07/2021
Next Scheduled EDR Contact: 10/25/2021
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 04/04/2021
Date Data Arrived at EDR: 04/06/2021
Date Made Active in Reports: 06/25/2021
Number of Days to Update: 80

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 07/01/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 08/26/2021
Next Scheduled EDR Contact: 12/06/2021
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 05/14/2021
Date Data Arrived at EDR: 05/14/2021
Date Made Active in Reports: 08/03/2021
Number of Days to Update: 81

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 08/13/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: Quarterly

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 06/10/2021
Number of Days to Update: 79

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing

list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 07/17/2019
Number of Days to Update: 64

Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 08/13/2021
Next Scheduled EDR Contact: 11/22/2021
Data Release Frequency: Varies

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 05/25/2021
Date Data Arrived at EDR: 05/28/2021
Date Made Active in Reports: 08/20/2021
Number of Days to Update: 84

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 08/24/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: Annually

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing

A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 05/25/2021
Date Data Arrived at EDR: 05/26/2021
Date Made Active in Reports: 08/18/2021
Number of Days to Update: 84

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 08/24/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: Varies

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 05/18/2021
Date Data Arrived at EDR: 05/19/2021
Date Made Active in Reports: 08/05/2021
Number of Days to Update: 78

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 08/17/2021
Next Scheduled EDR Contact: 12/06/2021
Data Release Frequency: Varies

EMI: Emissions Inventory Data
Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 06/10/2021
Date Made Active in Reports: 08/27/2021
Number of Days to Update: 78

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 06/10/2021
Next Scheduled EDR Contact: 09/27/2021
Data Release Frequency: Varies

ENF: Enforcement Action Listing
A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 04/16/2021
Date Data Arrived at EDR: 04/20/2021
Date Made Active in Reports: 07/07/2021
Number of Days to Update: 78

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 07/15/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
Financial Assurance information

Date of Government Version: 04/14/2021
Date Data Arrived at EDR: 04/15/2021
Date Made Active in Reports: 07/06/2021
Number of Days to Update: 82

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 07/13/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing
A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 05/13/2021
Date Data Arrived at EDR: 05/13/2021
Date Made Active in Reports: 07/26/2021
Number of Days to Update: 74

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 08/04/2021
Next Scheduled EDR Contact: 11/22/2021
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data
Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 04/15/2020
Date Made Active in Reports: 07/02/2020
Number of Days to Update: 78

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 07/09/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 05/14/2021
Date Data Arrived at EDR: 05/14/2021
Date Made Active in Reports: 07/27/2021
Number of Days to Update: 74

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 08/13/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 05/14/2021
Date Data Arrived at EDR: 05/14/2021
Date Made Active in Reports: 07/27/2021
Number of Days to Update: 74

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/13/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 04/05/2021
Date Data Arrived at EDR: 04/06/2021
Date Made Active in Reports: 06/23/2021
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 07/01/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Quarterly

MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/24/2021
Number of Days to Update: 82

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/28/2021
Date Made Active in Reports: 08/20/2021
Number of Days to Update: 84

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 08/31/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: Varies

NPDES: NPDES Permits Listing
A listing of NPDES permits, including stormwater.

Date of Government Version: 05/10/2021
Date Data Arrived at EDR: 05/11/2021
Date Made Active in Reports: 07/27/2021
Number of Days to Update: 77

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 08/13/2021
Next Scheduled EDR Contact: 11/22/2021
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing
A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 05/28/2021
Date Data Arrived at EDR: 05/28/2021
Date Made Active in Reports: 08/20/2021
Number of Days to Update: 84

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 08/31/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: Quarterly

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 06/04/2021
Date Data Arrived at EDR: 06/04/2021
Date Made Active in Reports: 08/27/2021
Number of Days to Update: 84

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/04/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records
Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 03/12/2021
Date Data Arrived at EDR: 03/16/2021
Date Made Active in Reports: 06/01/2021
Number of Days to Update: 77

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 08/26/2021
Next Scheduled EDR Contact: 09/27/2021
Data Release Frequency: No Update Planned

UIC: UIC Listing
A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/25/2021
Number of Days to Update: 83

Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)
Underground control injection sites

Date of Government Version: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/24/2021
Number of Days to Update: 82

Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing

Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 11/19/2019
Date Data Arrived at EDR: 01/07/2020
Date Made Active in Reports: 03/09/2020
Number of Days to Update: 62

Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 07/01/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Varies

WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 08/10/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: No Update Planned

WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 06/15/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)

Military privatized sites

Date of Government Version: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/24/2021
Number of Days to Update: 82

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)

Projects sites

Date of Government Version: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/24/2021
Number of Days to Update: 82

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing

In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 06/07/2021
Date Data Arrived at EDR: 06/07/2021
Date Made Active in Reports: 08/27/2021
Number of Days to Update: 81

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 06/07/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 05/19/2021
Date Data Arrived at EDR: 05/19/2021
Date Made Active in Reports: 08/12/2021
Number of Days to Update: 85

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 08/31/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 04/19/2021
Date Data Arrived at EDR: 04/20/2021
Date Made Active in Reports: 07/07/2021
Number of Days to Update: 78

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 07/15/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/24/2021
Number of Days to Update: 82

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/24/2021
Number of Days to Update: 82

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)

Produced water ponds sites

Date of Government Version: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/24/2021
Number of Days to Update: 82

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)

Sampling point - public sites

Date of Government Version: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/24/2021
Number of Days to Update: 82

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)
Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/25/2021
Number of Days to Update: 83
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

PCS INACTIVE: Listing of Inactive PCS Permits
An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120
Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 06/30/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: No Update Planned

HWTS: Hazardous Waste Tracking System
DTSC maintains the Hazardous Waste Tracking System that stores ID number information since the early 1980s and manifest data since 1993. The system collects both manifest copies from the generator and destination facility.

Date of Government Version: 04/08/2021
Date Data Arrived at EDR: 04/09/2021
Date Made Active in Reports: 04/20/2021
Number of Days to Update: 11
Source: Department of Toxic Substances Control
Telephone: 916-324-2444
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3
Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 08/26/2021
Next Scheduled EDR Contact: 12/06/2021
Data Release Frequency: Varies

PCS: Permit Compliance System
PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55
Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 06/30/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: No Update Planned

PCS ENF: Enforcement data
No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29
Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 06/30/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 03/17/2021
Date Data Arrived at EDR: 03/18/2021
Date Made Active in Reports: 03/25/2021
Number of Days to Update: 7

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List

Cupa Facility List

Date of Government Version: 02/02/2021
Date Data Arrived at EDR: 02/04/2021
Date Made Active in Reports: 04/23/2021
Number of Days to Update: 78

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 07/26/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing

Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 06/15/2021
Date Data Arrived at EDR: 06/16/2021
Date Made Active in Reports: 07/02/2021
Number of Days to Update: 16

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 06/15/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/06/2020
Date Data Arrived at EDR: 04/23/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 78

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 07/26/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 04/21/2021
Date Data Arrived at EDR: 04/22/2021
Date Made Active in Reports: 07/12/2021
Number of Days to Update: 81

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 07/20/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 12/17/2020
Date Data Arrived at EDR: 01/28/2021
Date Made Active in Reports: 04/16/2021
Number of Days to Update: 78

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 07/20/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 05/10/2021
Date Data Arrived at EDR: 05/12/2021
Date Made Active in Reports: 07/26/2021
Number of Days to Update: 75

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 07/20/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: CUPA Resources List
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 01/14/2021
Date Data Arrived at EDR: 01/15/2021
Date Made Active in Reports: 04/05/2021
Number of Days to Update: 80

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 06/23/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 07/13/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 05/17/2021
Date Data Arrived at EDR: 05/18/2021
Date Made Active in Reports: 05/20/2021
Number of Days to Update: 2

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 08/10/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/14/2021
Date Data Arrived at EDR: 04/15/2021
Date Made Active in Reports: 07/06/2021
Number of Days to Update: 82

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 07/13/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INYO COUNTY:

CUPA INYO: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 72

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 08/10/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: Varies

KERN COUNTY:

CUPA KERN: CUPA Facility List
A listing of sites included in the Kern County Hazardous Material Business Plan.

Date of Government Version: 04/22/2021
Date Data Arrived at EDR: 04/30/2021
Date Made Active in Reports: 07/19/2021
Number of Days to Update: 80

Source: Kern County Public Health
Telephone: 661-321-3000
Last EDR Contact: 08/10/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Varies

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 07/06/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 08/18/2021
Number of Days to Update: 6

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 08/10/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 12/03/2020
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/14/2021
Number of Days to Update: 78

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 08/24/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List
Cupa facility list

Date of Government Version: 05/10/2021
Date Data Arrived at EDR: 05/12/2021
Date Made Active in Reports: 07/26/2021
Number of Days to Update: 75

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 07/06/2021
Next Scheduled EDR Contact: 10/25/2021
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List
Cupa facility list

Date of Government Version: 07/31/2020
Date Data Arrived at EDR: 08/21/2020
Date Made Active in Reports: 11/09/2020
Number of Days to Update: 80

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 08/31/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: N/A
Telephone: N/A
Last EDR Contact: 06/08/2021
Next Scheduled EDR Contact: 09/27/2021
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 04/08/2021
Date Data Arrived at EDR: 04/13/2021
Date Made Active in Reports: 06/28/2021
Number of Days to Update: 76

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 04/12/2021
Date Data Arrived at EDR: 04/13/2021
Date Made Active in Reports: 06/28/2021
Number of Days to Update: 76

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 07/09/2021
Next Scheduled EDR Contact: 10/25/2021
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2021
Date Data Arrived at EDR: 02/18/2021
Date Made Active in Reports: 05/10/2021
Number of Days to Update: 81

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 07/06/2021
Next Scheduled EDR Contact: 10/25/2021
Data Release Frequency: Varies

LOS ANGELES AST: Active & Inactive AST Inventory
A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Varies

LOS ANGELES CO LF METHANE: Methane Producing Landfills

This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 02/04/2021
Date Data Arrived at EDR: 04/16/2021
Date Made Active in Reports: 04/21/2021
Number of Days to Update: 5

Source: Los Angeles County Department of Public Works
Telephone: 626-458-6973
Last EDR Contact: 07/12/2021
Next Scheduled EDR Contact: 10/25/2021
Data Release Frequency: No Update Planned

LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory

A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 04/19/2021
Date Data Arrived at EDR: 06/17/2021
Date Made Active in Reports: 06/28/2021
Number of Days to Update: 11

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Varies

LOS ANGELES UST: Active & Inactive UST Inventory

A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 03/02/2021
Date Data Arrived at EDR: 04/16/2021
Date Made Active in Reports: 07/06/2021
Number of Days to Update: 81

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 07/09/2021
Next Scheduled EDR Contact: 10/25/2021
Data Release Frequency: Annually

UST EL SEGUNDO: City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 07/06/2021
Next Scheduled EDR Contact: 10/25/2021
Data Release Frequency: No Update Planned

UST LONG BEACH: City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 65

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 07/13/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 02/02/2021
Date Data Arrived at EDR: 04/28/2021
Date Made Active in Reports: 07/13/2021
Number of Days to Update: 76

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 07/13/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 08/10/2020
Date Data Arrived at EDR: 08/12/2020
Date Made Active in Reports: 10/23/2020
Number of Days to Update: 72

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 08/10/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 29

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 06/22/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: No Update Planned

MENDOCINO COUNTY:

UST MENDOCINO: Mendocino County UST Database
A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 03/24/2021
Date Data Arrived at EDR: 04/07/2021
Date Made Active in Reports: 06/24/2021
Number of Days to Update: 78

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 08/17/2021
Next Scheduled EDR Contact: 12/06/2021
Data Release Frequency: Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 05/13/2021
Date Data Arrived at EDR: 05/14/2021
Date Made Active in Reports: 07/26/2021
Number of Days to Update: 73

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 08/09/2021
Next Scheduled EDR Contact: 11/28/2021
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 02/22/2021
Date Data Arrived at EDR: 03/02/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 78

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 08/31/2021
Next Scheduled EDR Contact: 12/06/3021
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 06/23/2021
Date Data Arrived at EDR: 06/23/2021
Date Made Active in Reports: 06/24/2021
Number of Days to Update: 1

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 06/22/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 08/17/2021
Next Scheduled EDR Contact: 12/06/2021
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 09/05/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 08/17/2021
Next Scheduled EDR Contact: 12/06/2021
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 04/28/2021
Date Data Arrived at EDR: 04/29/2021
Date Made Active in Reports: 07/15/2021
Number of Days to Update: 77

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 07/20/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 03/01/2021
Date Data Arrived at EDR: 04/30/2021
Date Made Active in Reports: 07/19/2021
Number of Days to Update: 80

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 07/29/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 03/01/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/12/2021
Number of Days to Update: 9

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 04/29/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 04/29/2021
Date Data Arrived at EDR: 04/30/2021
Date Made Active in Reports: 07/19/2021
Number of Days to Update: 80

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 07/29/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Quarterly

PLACER COUNTY:

MS PLACER: Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 05/25/2021
Date Data Arrived at EDR: 05/26/2021
Date Made Active in Reports: 06/01/2021
Number of Days to Update: 6

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 08/24/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 07/13/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

RIVERSIDE COUNTY:

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 06/29/2021
Date Data Arrived at EDR: 06/30/2021
Date Made Active in Reports: 07/14/2021
Number of Days to Update: 14

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/08/2021
Next Scheduled EDR Contact: 09/27/2021
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 06/29/2021
Date Data Arrived at EDR: 06/30/2021
Date Made Active in Reports: 07/14/2021
Number of Days to Update: 14
Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/07/2021
Next Scheduled EDR Contact: 09/27/2021
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 03/30/2021
Date Data Arrived at EDR: 04/01/2021
Date Made Active in Reports: 06/23/2021
Number of Days to Update: 83
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 07/01/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Quarterly

ML SACRAMENTO: Master Hazardous Materials Facility List
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 03/30/2021
Date Data Arrived at EDR: 04/01/2021
Date Made Active in Reports: 06/25/2021
Number of Days to Update: 85
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 08/04/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List
Cupa facility list

Date of Government Version: 04/28/2021
Date Data Arrived at EDR: 04/29/2021
Date Made Active in Reports: 05/03/2021
Number of Days to Update: 4
Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 07/26/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 05/19/2021
Date Data Arrived at EDR: 05/19/2021
Date Made Active in Reports: 06/07/2021
Number of Days to Update: 19
Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 07/27/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

HMMD SAN DIEGO: Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 05/28/2021
Date Data Arrived at EDR: 05/28/2021
Date Made Active in Reports: 08/20/2021
Number of Days to Update: 84

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 08/31/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/01/2020
Date Data Arrived at EDR: 11/23/2020
Date Made Active in Reports: 02/08/2021
Number of Days to Update: 77

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 07/27/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing

A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 07/14/2020
Date Data Arrived at EDR: 07/16/2020
Date Made Active in Reports: 09/29/2020
Number of Days to Update: 75

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 07/13/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

SAN DIEGO CO SAM: Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 08/24/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/07/2021
Date Made Active in Reports: 07/23/2021
Number of Days to Update: 77

Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 07/27/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Varies

LUST SAN FRANCISCO: Local Oversite Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 07/27/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: No Update Planned

UST SAN FRANCISCO: Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/07/2021
Date Made Active in Reports: 07/23/2021
Number of Days to Update: 77

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 07/27/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 06/08/2021
Next Scheduled EDR Contact: 09/27/2021
Data Release Frequency: No Update Planned

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 05/07/2021
Date Data Arrived at EDR: 05/11/2021
Date Made Active in Reports: 05/14/2021
Number of Days to Update: 3

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 08/10/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 64

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/10/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019
Date Data Arrived at EDR: 03/29/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 61

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 08/31/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: No Update Planned

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 08/10/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 02/24/2021
Date Data Arrived at EDR: 02/26/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 82

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 08/04/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LUST SANTA CLARA: LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 08/17/2021
Next Scheduled EDR Contact: 12/06/2021
Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/03/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 01/26/2021
Number of Days to Update: 82

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 07/27/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 08/10/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 08/10/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/13/2019
Number of Days to Update: 68

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 08/24/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: No Update Planned

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 03/23/2021
Date Data Arrived at EDR: 03/25/2021
Date Made Active in Reports: 06/10/2021
Number of Days to Update: 77

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 08/24/2021
Next Scheduled EDR Contact: 12/12/2021
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 07/02/2021
Date Data Arrived at EDR: 07/06/2021
Date Made Active in Reports: 07/14/2021
Number of Days to Update: 8

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 06/28/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 04/01/2021
Date Data Arrived at EDR: 04/01/2021
Date Made Active in Reports: 06/23/2021
Number of Days to Update: 83

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 06/15/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 05/14/2021
Date Data Arrived at EDR: 05/17/2021
Date Made Active in Reports: 08/03/2021
Number of Days to Update: 78

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 07/06/2021
Next Scheduled EDR Contact: 10/25/2021
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 05/25/2021
Date Data Arrived at EDR: 05/26/2021
Date Made Active in Reports: 08/18/2021
Number of Days to Update: 84

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 08/24/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 01/13/2021
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 04/06/2021
Number of Days to Update: 82

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 08/24/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 04/14/2021
Date Data Arrived at EDR: 04/15/2021
Date Made Active in Reports: 07/06/2021
Number of Days to Update: 82

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 07/13/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 04/26/2021
Date Data Arrived at EDR: 04/28/2021
Date Made Active in Reports: 07/13/2021
Number of Days to Update: 76

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 08/24/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List
Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 07/13/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

VENTURA COUNTY:

BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 03/29/2021
Date Data Arrived at EDR: 04/22/2021
Date Made Active in Reports: 07/12/2021
Number of Days to Update: 81
Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 07/15/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Quarterly

LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 06/22/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: No Update Planned

LUST VENTURA: Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 08/04/2021
Next Scheduled EDR Contact: 11/22/2021
Data Release Frequency: No Update Planned

MED WASTE VENTURA: Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 03/29/2021
Date Data Arrived at EDR: 04/21/2021
Date Made Active in Reports: 04/23/2021
Number of Days to Update: 2
Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 07/15/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Quarterly

UST VENTURA: Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 05/26/2021
Date Data Arrived at EDR: 06/04/2021
Date Made Active in Reports: 08/27/2021
Number of Days to Update: 84
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 06/04/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 03/26/2021
Date Data Arrived at EDR: 04/01/2021
Date Made Active in Reports: 06/23/2021
Number of Days to Update: 83
Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 06/22/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 04/21/2021
Date Data Arrived at EDR: 04/22/2021
Date Made Active in Reports: 05/12/2021
Number of Days to Update: 20

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 07/20/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 03/24/2021
Date Data Arrived at EDR: 05/11/2021
Date Made Active in Reports: 07/28/2021
Number of Days to Update: 78

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 08/10/2021
Next Scheduled EDR Contact: 11/22/2021
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 07/09/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 04/29/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 72

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 07/29/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/07/2021
Next Scheduled EDR Contact: 10/25/2021
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 02/24/2021
Number of Days to Update: 13

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 08/11/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 09/01/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: Endeavor Business Media
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data
Source: Endeavor Business Media
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

23320 ALAMEDA STREET
23320 ALAMEDA STREET
LONG BEACH, CA 90810

TARGET PROPERTY COORDINATES

Latitude (North):	33.811482 - 33° 48’ 41.34’’
Longitude (West):	118.231361 - 118° 13’ 52.90’’
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	386030.0
UTM Y (Meters):	3741741.5
Elevation:	21 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5652670 LONG BEACH, CA
Version Date:	2012
West Map:	5633779 TORRANCE, CA
Version Date:	2012

EDR’s GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

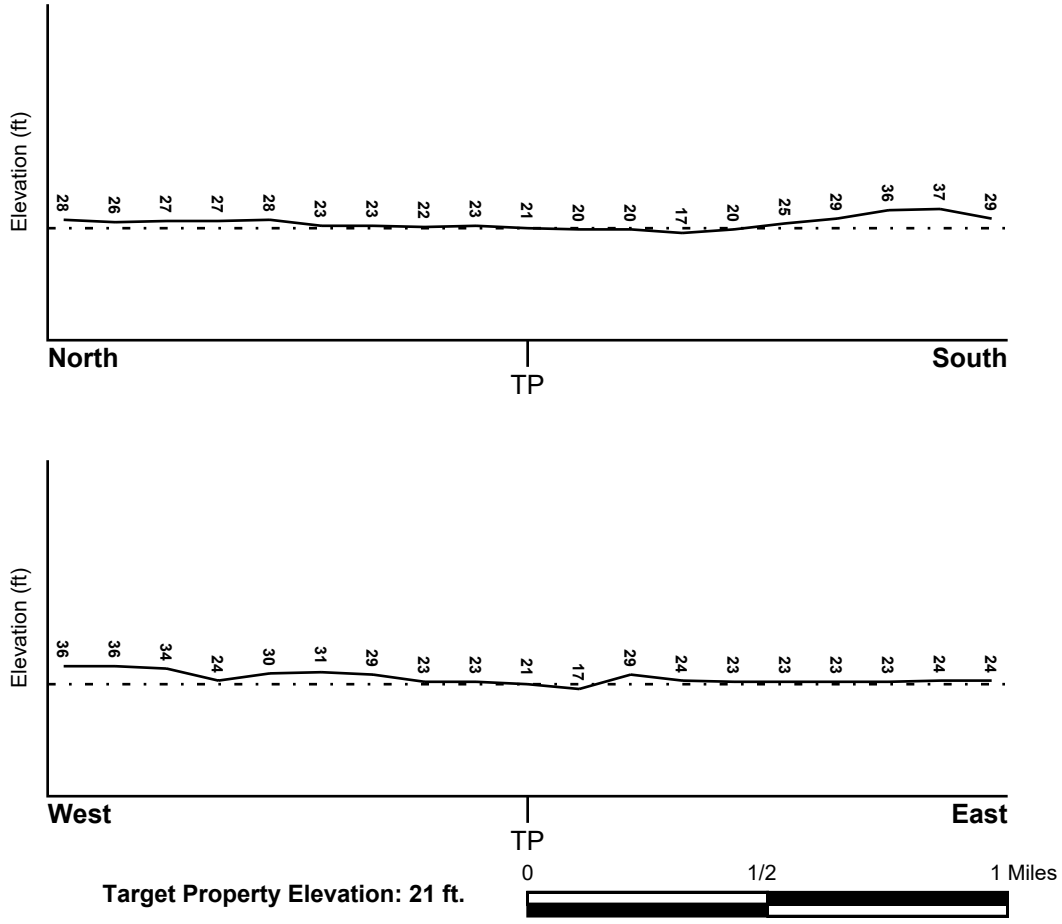
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General WSW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Target Property Elevation: 21 ft.

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
06037C1965F	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
06037C1955F	FEMA FIRM Flood data
06037C1962F	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
NORTH LONG BEACH (OE)	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Location Relative to TP:	1/8 - 1/4 Mile NW
Site Name:	AIR PRODUCTS & CHEM INC
Site EPA ID Number:	CAT080010655
Groundwater Flow Direction:	West
Measured Depth to Water:	30 to 40 feet in the semi-perched Gaspur aquifer.
Hydraulic Connection:	The Gaspur aquifer is hydraulically connected to the underlying Gage aquifer, which in turn, is interconnected with the underlying Lynwood aquifer.
Sole Source Aquifer:	No information about a sole source aquifer is available
Data Quality:	Information based on site-specific subsurface investigations is documented in the CERCLIS investigation report(s)

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW

* ©1996 Site-specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
BI376	1/2 - 1 Mile NNW	NE
1G	1/2 - 1 Mile NNW	NE

For additional site information, refer to Physical Setting Source Map Findings.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: URBAN LAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class: Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 10 inches

Depth to Bedrock Max: > 10 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures:
loam
clay
silt loam
loamy sand
sandy loam
fine sand
clay loam
gravelly - sandy loam
coarse sand
gravelly - sand
sand

Surficial Soil Types:
loam
clay
silt loam
loamy sand
sandy loam
fine sand
clay loam
gravelly - sandy loam
coarse sand
gravelly - sand
sand

Shallow Soil Types:
fine sandy loam
gravelly - loam
sand
silty clay

Deeper Soil Types:
stratified
clay loam
silty clay loam
gravelly - sandy loam
coarse sand
sand
weathered bedrock
very fine sandy loam

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A5	USGS40000138383	0 - 1/8 Mile West
A6	USGS40000138384	0 - 1/8 Mile West
C11	USGS40000138394	1/8 - 1/4 Mile North
O85	USGS40000138380	1/2 - 1 Mile West
Q90	USGS40000138391	1/2 - 1 Mile WNW
AH165	USGS40000138326	1/2 - 1 Mile WSW
AO200	USGS40000138322	1/2 - 1 Mile WSW
AR217	USGS40000138311	1/2 - 1 Mile SE
AV248	USGS40000138286	1/2 - 1 Mile SSW
AV249	USGS40000138285	1/2 - 1 Mile SSW
AV250	USGS40000138287	1/2 - 1 Mile SSW
AV251	USGS40000138289	1/2 - 1 Mile SSW
AV252	USGS40000138288	1/2 - 1 Mile SSW
AX264	USGS40000138431	1/2 - 1 Mile NW
BH300	USGS40000138409	1/2 - 1 Mile ENE
BH301	USGS40000138408	1/2 - 1 Mile ENE
BH302	USGS40000138410	1/2 - 1 Mile ENE
BH303	USGS40000138412	1/2 - 1 Mile ENE
BH304	USGS40000138411	1/2 - 1 Mile ENE
BL331	USGS40000138459	1/2 - 1 Mile NNW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	CADWR0000009057	0 - 1/8 Mile SW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A2	CADWR0000036767	0 - 1/8 Mile SW
A3	CAUSGSN00018149	0 - 1/8 Mile West
A4	CAUSGSN00016889	0 - 1/8 Mile West
B7	CADWR9000005660	1/8 - 1/4 Mile West
B8	CADWR9000005659	1/8 - 1/4 Mile West
B9	CAEDF0000133151	1/8 - 1/4 Mile West
10	CAEDF0000094977	1/8 - 1/4 Mile SSW
D12	CADWR0000008777	1/8 - 1/4 Mile East
D13	CADWR0000017601	1/8 - 1/4 Mile East
D14	CADWR0000029512	1/8 - 1/4 Mile East
D15	CADWR0000009868	1/8 - 1/4 Mile East
D16	CADWR0000007977	1/8 - 1/4 Mile East
C17	CADWR0000006463	1/8 - 1/4 Mile North
C18	CADWR0000007957	1/8 - 1/4 Mile North
C19	CADWR0000016323	1/8 - 1/4 Mile North
C20	CADWR0000034221	1/8 - 1/4 Mile North
E21	CAEDF0000049089	1/4 - 1/2 Mile NW
E22	CAEDF0000081784	1/4 - 1/2 Mile NNW
E23	CAEDF0000101892	1/4 - 1/2 Mile NNW
F24	CADWR0000011151	1/4 - 1/2 Mile West
F25	CAEDF0000060640	1/4 - 1/2 Mile West
G26	CAEDF0000079463	1/4 - 1/2 Mile SSE
E27	CAEDF0000104696	1/4 - 1/2 Mile NW
E28	CAEDF0000069210	1/4 - 1/2 Mile WNW
E29	CAEDF0000038714	1/4 - 1/2 Mile NW
E30	CAEDF0000085831	1/4 - 1/2 Mile NW
H31	CAEDF0000092515	1/4 - 1/2 Mile SW
H32	CAEDF0000075108	1/4 - 1/2 Mile SW
G33	CAEDF0000048191	1/4 - 1/2 Mile SSE
G34	CAEDF0000072868	1/4 - 1/2 Mile SSE
E35	CAEDF0000005278	1/4 - 1/2 Mile NW
G36	CAEDF0000004333	1/4 - 1/2 Mile SSE
I37	CAEDF0000074895	1/4 - 1/2 Mile NW
I38	CAEDF0000071443	1/4 - 1/2 Mile NW
G39	CADWR0000002216	1/4 - 1/2 Mile SE
G40	CADWR0000016279	1/4 - 1/2 Mile SE
G41	CADWR0000004022	1/4 - 1/2 Mile SE
G42	CADWR0000002215	1/4 - 1/2 Mile SE
G43	CADWR0000033373	1/4 - 1/2 Mile SE
G44	CADWR0000031550	1/4 - 1/2 Mile SE
G45	CADWR0000030734	1/4 - 1/2 Mile SE
G46	CADWR0000014938	1/4 - 1/2 Mile SE
G47	CADWR0000001684	1/4 - 1/2 Mile SE
G48	CADWR0000034084	1/4 - 1/2 Mile SE
G49	CADWR0000008219	1/4 - 1/2 Mile SE
G50	CADWR0000019896	1/4 - 1/2 Mile SE
G51	CADWR0000000803	1/4 - 1/2 Mile SE
G52	CADWR0000014702	1/4 - 1/2 Mile SE
G53	CADWR0000022330	1/4 - 1/2 Mile SE
G54	CADWR0000035438	1/4 - 1/2 Mile SE
I55	CAEDF0000036581	1/4 - 1/2 Mile NW
J56	CAEDF0000049624	1/4 - 1/2 Mile NNW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
J57	CAEDF0000124226	1/4 - 1/2 Mile NNW
K58	CAEDF0000032865	1/4 - 1/2 Mile SSE
L59	CAEDF0000123708	1/4 - 1/2 Mile SW
L60	CAEDF0000131919	1/4 - 1/2 Mile SW
K61	CAEDF0000055934	1/4 - 1/2 Mile SSE
J62	CAEDF0000104534	1/4 - 1/2 Mile NNW
L63	CAEDF0000056018	1/4 - 1/2 Mile SW
K64	CAEDF0000060778	1/4 - 1/2 Mile SSE
J65	CAEDF0000139627	1/4 - 1/2 Mile NNW
K66	CAEDF0000043704	1/4 - 1/2 Mile SSE
K67	CAEDF0000006590	1/4 - 1/2 Mile SSE
J68	5351	1/4 - 1/2 Mile NNW
M69	CAEDF0000127145	1/4 - 1/2 Mile SSW
70	CAEDF0000096219	1/4 - 1/2 Mile West
M71	CAEDF0000009003	1/4 - 1/2 Mile SSW
M72	CAEDF0000101872	1/4 - 1/2 Mile SSW
M73	CAEDF0000112324	1/4 - 1/2 Mile SSW
M74	CAEDF0000093884	1/4 - 1/2 Mile SSW
75	CAEDF0000097063	1/4 - 1/2 Mile SW
M76	CAEDF0000041355	1/4 - 1/2 Mile SSW
M77	CAEDF0000087755	1/4 - 1/2 Mile SSW
M78	CAEDF0000099988	1/4 - 1/2 Mile SSW
79	CADWR0000012420	1/4 - 1/2 Mile North
80	CAEDF0000067882	1/4 - 1/2 Mile WSW
N81	CADWR0000018697	1/2 - 1 Mile NNE
N82	CADWR0000028348	1/2 - 1 Mile NNE
N83	CADWR0000024631	1/2 - 1 Mile NNE
N84	CADWR0000011552	1/2 - 1 Mile NNE
P86	CAEDF0000081447	1/2 - 1 Mile South
P87	CADWR0000017212	1/2 - 1 Mile South
88	CADWR0000005792	1/2 - 1 Mile NNW
Q89	CAUSGSN00008899	1/2 - 1 Mile WNW
Q91	CAEDF0000009531	1/2 - 1 Mile West
R92	CAEDF0000126718	1/2 - 1 Mile SW
O93	CAEDF0000078998	1/2 - 1 Mile West
O94	CADWR0000007963	1/2 - 1 Mile West
O95	CADWR0000021911	1/2 - 1 Mile West
O96	CADWR0000008381	1/2 - 1 Mile West
O97	CADWR0000010190	1/2 - 1 Mile West
O98	CADWR0000010358	1/2 - 1 Mile West
O99	CADWR0000028203	1/2 - 1 Mile West
O100	CADWR0000022323	1/2 - 1 Mile West
S101	CADWR0000000408	1/2 - 1 Mile SSE
S102	CADWR0000029276	1/2 - 1 Mile SSE
S103	CADWR0000028181	1/2 - 1 Mile SSE
104	CAEDF0000074948	1/2 - 1 Mile North
R105	CAEDF0000003565	1/2 - 1 Mile SW
T106	CADWR0000013670	1/2 - 1 Mile WNW
107	CAEDF0000067502	1/2 - 1 Mile SW
U108	CAEDF0000115963	1/2 - 1 Mile South
U109	CAEDF0000090402	1/2 - 1 Mile South
V110	CAEDF0000072933	1/2 - 1 Mile SSW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
V111	CAEDF0000134527	1/2 - 1 Mile SSW
V112	CAEDF0000010202	1/2 - 1 Mile SSW
113	CADWR0000012488	1/2 - 1 Mile WSW
U114	CAEDF0000092052	1/2 - 1 Mile South
W115	CAEDF0000099560	1/2 - 1 Mile SSW
W116	CAEDF0000134336	1/2 - 1 Mile SSW
W117	CAEDF0000094290	1/2 - 1 Mile SSW
V118	CAEDF0000098157	1/2 - 1 Mile SSW
V119	CAEDF0000000077	1/2 - 1 Mile SSW
V120	CAEDF0000004440	1/2 - 1 Mile SSW
X121	CAEDF0000136314	1/2 - 1 Mile NNW
122	CAEDF0000124155	1/2 - 1 Mile SW
Y123	CAEDF0000125375	1/2 - 1 Mile South
Y124	CAEDF0000108759	1/2 - 1 Mile South
Y125	CAEDF0000071166	1/2 - 1 Mile South
V126	CAEDF0000042730	1/2 - 1 Mile SSW
X127	CAEDF0000036969	1/2 - 1 Mile NNW
X128	CAEDF0000125309	1/2 - 1 Mile NNW
U129	CAEDF0000005562	1/2 - 1 Mile South
Z130	CAEDF0000076703	1/2 - 1 Mile NW
T131	CAEDF0000120577	1/2 - 1 Mile WNW
T132	CAEDF0000064669	1/2 - 1 Mile WNW
U133	CAEDF0000062522	1/2 - 1 Mile South
V134	CAEDF0000080242	1/2 - 1 Mile SW
AA135	CADWR0000000651	1/2 - 1 Mile NE
AA136	CADWR0000008340	1/2 - 1 Mile NE
137	CAEDF0000032153	1/2 - 1 Mile SSW
AB138	CAEDF0000004797	1/2 - 1 Mile West
X139	CAEDF0000128250	1/2 - 1 Mile NNW
Y140	CAEDF0000070742	1/2 - 1 Mile South
AB141	CAEDF0000079595	1/2 - 1 Mile West
X142	CAEDF0000141953	1/2 - 1 Mile NNW
AB143	CAEDF0000069685	1/2 - 1 Mile West
AC144	CAEDF0000046612	1/2 - 1 Mile NNW
X145	CAEDF0000012090	1/2 - 1 Mile NNW
Y146	CAEDF0000003324	1/2 - 1 Mile South
AD147	CAEDF0000102537	1/2 - 1 Mile North
AD148	CAEDF0000065507	1/2 - 1 Mile North
AD149	CAEDF0000036727	1/2 - 1 Mile North
AE150	CAEDF0000016726	1/2 - 1 Mile South
AF151	CAEDF0000029923	1/2 - 1 Mile SW
Y152	CAEDF0000036933	1/2 - 1 Mile South
AG153	CAEDF0000091106	1/2 - 1 Mile WSW
AH154	CAEDF0000099352	1/2 - 1 Mile WSW
AC155	CAEDF0000031834	1/2 - 1 Mile NNW
AC156	CAEDF0000135624	1/2 - 1 Mile NNW
AE157	CAEDF0000142782	1/2 - 1 Mile South
AE158	CAEDF0000128902	1/2 - 1 Mile South
AE159	CAEDF0000068980	1/2 - 1 Mile South
160	CAEDF0000056362	1/2 - 1 Mile NNW
AF161	CAEDF0000049919	1/2 - 1 Mile SW
162	CAEDF0000113524	1/2 - 1 Mile North

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
Z163	CAEDF0000112775	1/2 - 1 Mile NW
AI164	CAEDF0000011670	1/2 - 1 Mile SSW
AD166	CAEDF0000033449	1/2 - 1 Mile North
Z167	CADWR0000022158	1/2 - 1 Mile NW
Z168	CADWR0000037690	1/2 - 1 Mile NW
AJ169	CAEDF0000016331	1/2 - 1 Mile NNW
AE170	CAEDF0000055058	1/2 - 1 Mile South
AB171	CAEDF0000077816	1/2 - 1 Mile West
AE172	CAEDF0000064062	1/2 - 1 Mile South
AE173	CAEDF0000002827	1/2 - 1 Mile South
AB174	CAEDF0000034510	1/2 - 1 Mile West
AB175	CAEDF0000080044	1/2 - 1 Mile West
AD176	CAEDF0000039147	1/2 - 1 Mile North
AE177	CAEDF0000141681	1/2 - 1 Mile South
AE178	CAEDF0000060170	1/2 - 1 Mile South
AK179	CADWR0000024666	1/2 - 1 Mile NNE
AK180	CADWR0000021186	1/2 - 1 Mile NNE
AI181	CAEDF0000032593	1/2 - 1 Mile SSW
AC182	CAEDF0000076775	1/2 - 1 Mile NNW
AI183	CAEDF0000038350	1/2 - 1 Mile SSW
AI184	CAEDF0000079614	1/2 - 1 Mile SSW
AI185	CAEDF0000077730	1/2 - 1 Mile SSW
186	CAEDF0000096912	1/2 - 1 Mile South
AG187	CAEDF0000107181	1/2 - 1 Mile WSW
AG188	CAEDF0000047818	1/2 - 1 Mile WSW
AL189	CAEDF0000108503	1/2 - 1 Mile SSW
AL190	CAEDF0000089562	1/2 - 1 Mile SSW
AL191	CAEDF0000032730	1/2 - 1 Mile SSW
AM192	CAEDF0000047117	1/2 - 1 Mile SSW
193	CADWR0000023288	1/2 - 1 Mile SW
AN194	CAEDF0000040302	1/2 - 1 Mile West
AO195	CAEDF0000143396	1/2 - 1 Mile SW
AM196	CAEDF0000016912	1/2 - 1 Mile SSW
AP197	CAEDF0000018435	1/2 - 1 Mile South
AF198	CAEDF0000125015	1/2 - 1 Mile SW
AI199	CAEDF0000045436	1/2 - 1 Mile SSW
AQ201	CAEDF0000055229	1/2 - 1 Mile NNW
AI202	CAEDF0000125689	1/2 - 1 Mile SSW
203	CAEDF0000113149	1/2 - 1 Mile West
AL204	CAEDF0000141838	1/2 - 1 Mile SSW
AL205	CAEDF0000096791	1/2 - 1 Mile SSW
AL206	CAEDF0000038277	1/2 - 1 Mile SSW
AJ207	CAEDF0000016731	1/2 - 1 Mile NNW
AR208	CADWR9000005612	1/2 - 1 Mile SE
AP209	CAEDF0000122561	1/2 - 1 Mile SSE
AP210	CAEDF0000142830	1/2 - 1 Mile SSE
AP211	CAEDF0000014379	1/2 - 1 Mile SSE
AP212	CAEDF0000102940	1/2 - 1 Mile SSE
AN213	CAEDF0000001481	1/2 - 1 Mile West
AN214	CAEDF0000107769	1/2 - 1 Mile West
AN215	CAEDF0000081828	1/2 - 1 Mile West
AL216	CAEDF0000051777	1/2 - 1 Mile SSW

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
AQ218	CAEDF0000121212	1/2 - 1 Mile NNW
AR219	CAUSGSN00016769	1/2 - 1 Mile SE
AL220	CAEDF0000048482	1/2 - 1 Mile SSW
AQ221	CAEDF0000099809	1/2 - 1 Mile NNW
AS222	CAEDF0000001876	1/2 - 1 Mile WSW
AQ223	CAEDF0000089117	1/2 - 1 Mile NNW
AT224	CADWR0000031097	1/2 - 1 Mile SSW
AQ225	CAEDF0000133839	1/2 - 1 Mile NNW
AU226	CADWR0000009031	1/2 - 1 Mile WSW
AU227	CAEDF0000045578	1/2 - 1 Mile WSW
AR228	CADWR0000000512	1/2 - 1 Mile SE
AV229	CAEDF0000136661	1/2 - 1 Mile SSW
AW230	CAEDF0000131756	1/2 - 1 Mile NNW
AW231	CAEDF0000047964	1/2 - 1 Mile NNW
AX232	CAEDF0000082976	1/2 - 1 Mile NW
AU233	CAEDF0000132424	1/2 - 1 Mile WSW
AW234	CAEDF0000046569	1/2 - 1 Mile NNW
AT235	CAEDF0000034531	1/2 - 1 Mile SSW
AW236	CAEDF0000058670	1/2 - 1 Mile NNW
AW237	CAEDF0000083675	1/2 - 1 Mile NNW
AY238	CAEDF0000042558	1/2 - 1 Mile NNW
AS239	CAEDF0000138231	1/2 - 1 Mile WSW
AZ240	CAEDF0000071321	1/2 - 1 Mile WSW
AZ241	CAEDF0000022513	1/2 - 1 Mile WSW
AZ242	CAEDF0000114598	1/2 - 1 Mile SW
AX243	CAEDF0000127958	1/2 - 1 Mile NW
BA244	CAEDF0000094969	1/2 - 1 Mile SE
BA245	CAEDF0000070607	1/2 - 1 Mile SE
BB246	CAEDF0000073174	1/2 - 1 Mile North
BC247	CAEDF0000056302	1/2 - 1 Mile WNW
AV253	CAEDF0000143845	1/2 - 1 Mile SSW
AV254	CAUSGSN00013169	1/2 - 1 Mile SSW
AV255	CAUSGSN00005908	1/2 - 1 Mile SSW
AV256	CAEDF0000128700	1/2 - 1 Mile SSW
AV257	CAEDF0000021823	1/2 - 1 Mile SSW
AV258	CAEDF0000033054	1/2 - 1 Mile SSW
AV259	CAEDF0000066457	1/2 - 1 Mile SSW
AV260	CAUSGSN00002295	1/2 - 1 Mile SSW
AV261	CAUSGSN00009551	1/2 - 1 Mile SSW
AV262	CAUSGSN00010233	1/2 - 1 Mile SSW
BA263	CAEDF0000054360	1/2 - 1 Mile SSE
BD265	CAEDF0000122619	1/2 - 1 Mile North
AY266	CAEDF0000059675	1/2 - 1 Mile NNW
BD267	CAEDF0000100092	1/2 - 1 Mile North
AY268	CAEDF0000131526	1/2 - 1 Mile NNW
BB269	CAEDF0000036339	1/2 - 1 Mile North
BB270	CAEDF0000088419	1/2 - 1 Mile North
BB271	CAEDF0000109222	1/2 - 1 Mile North
AZ272	CAEDF0000119720	1/2 - 1 Mile WSW
BE273	CADWR0000016012	1/2 - 1 Mile SE
BE274	CADWR0000024662	1/2 - 1 Mile SE
BA275	CAEDF0000073026	1/2 - 1 Mile SSE

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
BA276	CAEDF0000127130	1/2 - 1 Mile SSE
BA277	CAEDF0000141214	1/2 - 1 Mile SE
BD278	CAEDF0000076669	1/2 - 1 Mile North
BD279	CAEDF0000049958	1/2 - 1 Mile North
BD280	CAEDF0000041667	1/2 - 1 Mile North
BA281	CAEDF0000036830	1/2 - 1 Mile SE
BA282	CAEDF0000120007	1/2 - 1 Mile SE
BA283	CAEDF0000060749	1/2 - 1 Mile SE
BA284	CAEDF0000020340	1/2 - 1 Mile SSE
285	CAEDF0000095594	1/2 - 1 Mile SW
AY286	CAEDF0000048928	1/2 - 1 Mile NNW
BF287	CADWR9000005596	1/2 - 1 Mile SSW
BF288	CADWR9000005595	1/2 - 1 Mile SSW
BF289	CADWR9000005597	1/2 - 1 Mile SSW
BF290	CADWR9000005594	1/2 - 1 Mile SSW
BF291	CADWR9000005598	1/2 - 1 Mile SSW
292	CAEDF0000125394	1/2 - 1 Mile SSW
BA293	CAEDF0000114278	1/2 - 1 Mile SSE
BA294	CAEDF0000109635	1/2 - 1 Mile SSE
295	CAEDF0000067866	1/2 - 1 Mile NW
BG296	CADWR0000022552	1/2 - 1 Mile NW
BG297	CADWR0000003041	1/2 - 1 Mile NW
BG298	CADWR0000015850	1/2 - 1 Mile NW
BA299	CAEDF0000129415	1/2 - 1 Mile SE
AY305	CAEDF0000080138	1/2 - 1 Mile NNW
BI306	CAEDF0000121901	1/2 - 1 Mile NNW
BH307	CAUSGSN00002267	1/2 - 1 Mile ENE
BH308	CAUSGSN00001750	1/2 - 1 Mile ENE
BH309	CAUSGSN00002330	1/2 - 1 Mile ENE
BH310	CAUSGSN00018132	1/2 - 1 Mile ENE
BH311	CAUSGSN00005128	1/2 - 1 Mile ENE
BA312	CAEDF0000128168	1/2 - 1 Mile SSE
BJ313	CAEDF0000141866	1/2 - 1 Mile SSE
BK314	CAEDF0000092885	1/2 - 1 Mile WSW
BA315	CAEDF0000021982	1/2 - 1 Mile SSE
BA316	CADWR0000031740	1/2 - 1 Mile SSE
BK317	CAEDF0000096529	1/2 - 1 Mile WSW
BK318	CAEDF0000095628	1/2 - 1 Mile WSW
AY319	CAEDF0000043110	1/2 - 1 Mile NNW
AY320	CAEDF0000113248	1/2 - 1 Mile NNW
BC321	CAEDF0000109348	1/2 - 1 Mile WNW
BA322	CAEDF0000140346	1/2 - 1 Mile SE
BA323	CAEDF0000134680	1/2 - 1 Mile SSE
BA324	CAEDF0000117537	1/2 - 1 Mile SSE
BA325	CAEDF0000105301	1/2 - 1 Mile SSE
BL326	CAEDF0000041312	1/2 - 1 Mile NNW
BL327	CAEDF0000014414	1/2 - 1 Mile NNW
BA328	CAEDF0000110085	1/2 - 1 Mile SSE
BA329	CAEDF0000065217	1/2 - 1 Mile SSE
BA330	CAEDF0000072713	1/2 - 1 Mile SE
BA332	CAEDF0000042485	1/2 - 1 Mile SSE
BA333	CAEDF0000007175	1/2 - 1 Mile SSE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
BA334	CAEDF0000046833	1/2 - 1 Mile SSE
BA335	CAEDF0000140117	1/2 - 1 Mile SSE
BA336	CAEDF0000005801	1/2 - 1 Mile SSE
BA337	CAEDF0000043945	1/2 - 1 Mile SE
BI338	CAEDF0000134167	1/2 - 1 Mile NNW
BJ339	CAEDF0000063232	1/2 - 1 Mile SSE
BJ340	CAEDF0000076671	1/2 - 1 Mile SSE
BM341	CAEDF0000102331	1/2 - 1 Mile NW
BJ342	CAEDF0000077568	1/2 - 1 Mile SSE
BI343	CAEDF0000126327	1/2 - 1 Mile NNW
BI344	CAEDF0000112084	1/2 - 1 Mile NNW
BN345	CADWR0000005348	1/2 - 1 Mile SW
BJ346	CAEDF0000047655	1/2 - 1 Mile SSE
BJ347	CAEDF0000015867	1/2 - 1 Mile SSE
348	CAEDF0000062237	1/2 - 1 Mile WNW
BK349	CAEDF0000124455	1/2 - 1 Mile WSW
BJ350	CAEDF0000074729	1/2 - 1 Mile SSE
BO351	CAEDF0000041007	1/2 - 1 Mile West
BJ352	CAEDF0000014486	1/2 - 1 Mile SSE
BP353	CAEDF0000097092	1/2 - 1 Mile SE
BP354	CAEDF0000014007	1/2 - 1 Mile SE
BJ355	CAEDF0000060662	1/2 - 1 Mile SSE
BJ356	CAEDF0000022076	1/2 - 1 Mile SSE
BJ357	CAEDF0000035282	1/2 - 1 Mile SSE
BJ358	CAEDF0000090352	1/2 - 1 Mile SSE
BL359	CAEDF0000128012	1/2 - 1 Mile NNW
BL360	CAEDF0000138562	1/2 - 1 Mile NNW
BL361	CAEDF0000132489	1/2 - 1 Mile NNW
BM362	CAEDF0000077951	1/2 - 1 Mile NW
BI363	CAEDF0000072650	1/2 - 1 Mile NNW
BI364	CAEDF0000134210	1/2 - 1 Mile NNW
BI365	CAEDF0000109743	1/2 - 1 Mile NNW
BL366	CAEDF0000098733	1/2 - 1 Mile NNW
BJ367	CAEDF0000087870	1/2 - 1 Mile SSE
BP368	CAEDF0000073837	1/2 - 1 Mile SE
BM369	CAEDF0000033701	1/2 - 1 Mile NW
BQ370	CAEDF0000116000	1/2 - 1 Mile WSW
BP371	CAEDF0000018725	1/2 - 1 Mile SSE
BR372	CAEDF0000090983	1/2 - 1 Mile ESE
BS373	CAEDF0000067532	1/2 - 1 Mile SSW
BS374	CAEDF0000103430	1/2 - 1 Mile SSW
BI375	CAEDF0000093776	1/2 - 1 Mile NNW
BL377	CAEDF0000101585	1/2 - 1 Mile NNW
BG378	CAEDF0000061773	1/2 - 1 Mile NW
379	CAEDF0000119017	1/2 - 1 Mile SW
BQ380	CAEDF0000046856	1/2 - 1 Mile WSW
BQ381	CAEDF0000114985	1/2 - 1 Mile WSW
BP382	CAEDF0000086059	1/2 - 1 Mile SSE
383	CAEDF0000067032	1/2 - 1 Mile NNW
BI384	CAEDF0000009646	1/2 - 1 Mile NNW
BR385	CAEDF0000007820	1/2 - 1 Mile ESE
BT386	CAEDF0000127398	1/2 - 1 Mile WNW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

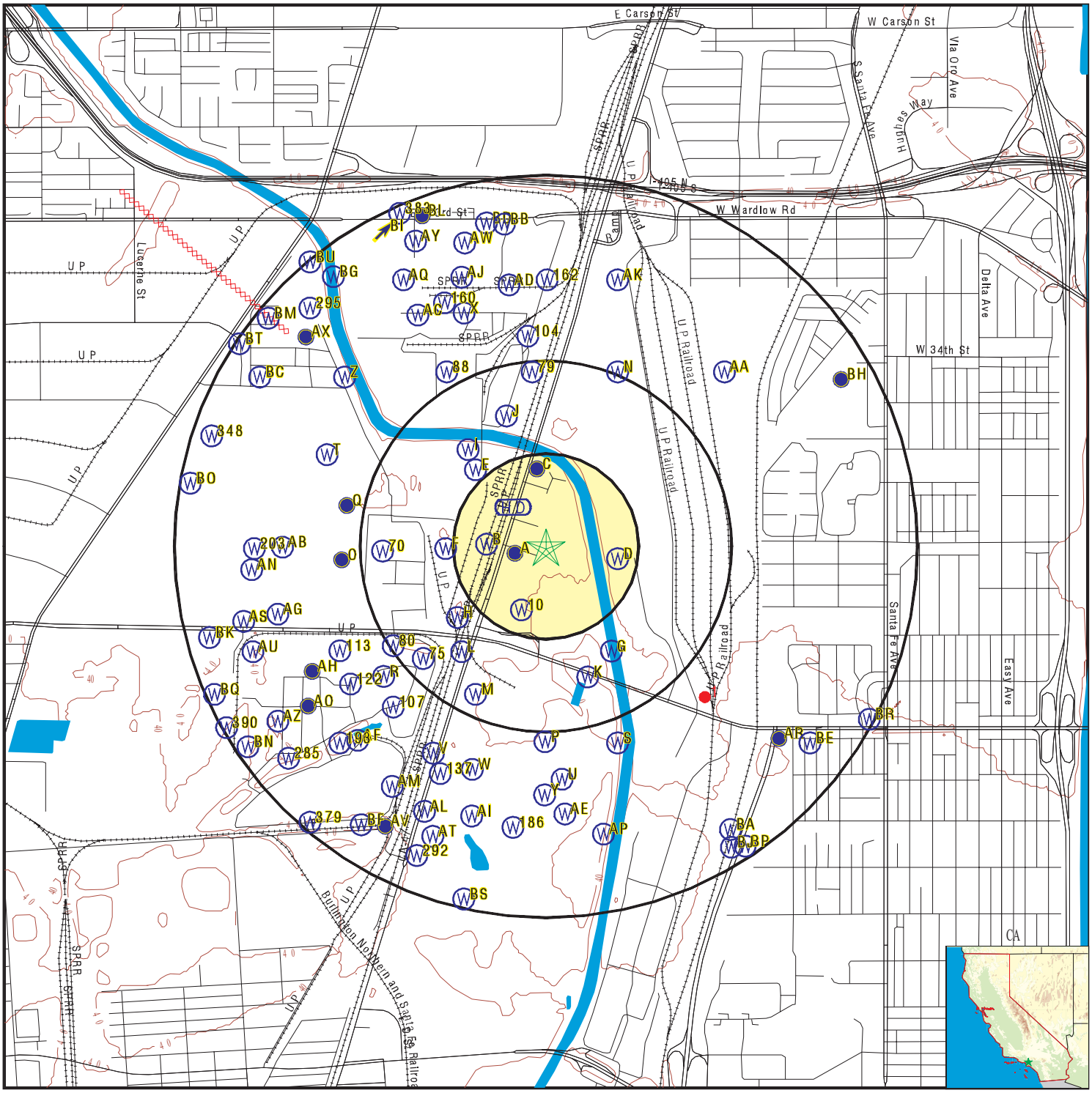
MAP ID	WELL ID	LOCATION FROM TP
BK387	CAEDF0000053576	1/2 - 1 Mile WSW
BP388	CAEDF0000126801	1/2 - 1 Mile SSE
BN389	CAEDF0000074536	1/2 - 1 Mile SW
390	CAEDF0000011749	1/2 - 1 Mile WSW
BJ391	CAEDF0000088220	1/2 - 1 Mile SSE
BO392	CAEDF0000090811	1/2 - 1 Mile West
BU393	CAEDF0000088316	1/2 - 1 Mile NW
BU394	CAEDF0000126415	1/2 - 1 Mile NW
BT395	CAEDF0000045028	1/2 - 1 Mile NW
BR396	CAEDF0000033987	1/2 - 1 Mile ESE
BM397	CAEDF0000127140	1/2 - 1 Mile NW
BR398	CAEDF0000083202	1/2 - 1 Mile ESE

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	CAOG14000005066	1/2 - 1 Mile SE

PHYSICAL SETTING SOURCE MAP - 6645854.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME: 23320 Alameda Street	CLIENT: NV5
ADDRESS: 23320 Alameda Street Long Beach CA 90810	CONTACT: Bina Patel
LAT/LONG: 33.811482 / 118.231361	INQUIRY #: 6645854.2s DATE: September 02, 2021 11:23 am

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

A1
SW
0 - 1/8 Mile
Higher | **CA WELLS** | **CADWR0000009057**

Well ID:	04S13W22F002S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W22F002S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W22F002S&store_num=		
GeoTracker Data:	Not Reported		

A2
SW
0 - 1/8 Mile
Higher | **CA WELLS** | **CADWR0000036767**

Well ID:	04S13W22F001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W22F001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W22F001S&store_num=		
GeoTracker Data:	Not Reported		

A3
West
0 - 1/8 Mile
Higher | **CA WELLS** | **CAUSGSN00018149**

Well ID:	USGS-334841118140002	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-334841118140002	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334841118140002&store_num=		
GeoTracker Data:	Not Reported		

A4
West
0 - 1/8 Mile
Higher | **CA WELLS** | **CAUSGSN00016889**

Well ID:	USGS-334841118140001	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-334841118140001	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334841118140001&store_num=		
GeoTracker Data:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

A5
West
0 - 1/8 Mile
Higher | **FED USGS** | **USGS40000138383**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	004S013W22F005S	Type:	Well
Description:	Not Reported	HUC:	Not Reported
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19690513	Well Depth:	290
Well Depth Units:	ft	Well Hole Depth:	353
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	1	Level reading date:	1999-03-09
Feet below surface:	40.41	Feet to sea level:	Not Reported
Note:	Not Reported		

A6
West
0 - 1/8 Mile
Higher | **FED USGS** | **USGS40000138384**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	004S013W22F006S	Type:	Well
Description:	Not Reported	HUC:	Not Reported
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19690513	Well Depth:	160
Well Depth Units:	ft	Well Hole Depth:	353
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	1	Level reading date:	1999-03-09
Feet below surface:	37.68	Feet to sea level:	Not Reported
Note:	Not Reported		

B7
West
1/8 - 1/4 Mile
Higher | **CA WELLS** | **CADWR9000005660**

State Well #:	04S13W22F006S	Station ID:	5456
Well Name:	Not Reported	Basin Name:	West Coast
Well Use:	Unknown	Well Type:	Unknown
Well Depth:	0	Well Completion Rpt #:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

B8
West
1/8 - 1/4 Mile
Higher

CA WELLS **CADWR9000005659**

State Well #:	04S13W22F005S	Station ID:	29324
Well Name:	Not Reported	Basin Name:	West Coast
Well Use:	Unknown	Well Type:	Unknown
Well Depth:	0	Well Completion Rpt #:	Not Reported

B9
West
1/8 - 1/4 Mile
Higher

CA WELLS **CAEDF0000133151**

Well ID:	SL372412434-AMR-WS-09	Well Type:	MONITORING
Source:	EDF	Other Name:	AMR-WS-09
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=AMR-WS-09&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=AMR-WS-09		

10
SSW
1/8 - 1/4 Mile
Higher

CA WELLS **CAEDF0000094977**

Well ID:	SL372412434-ASE-032-D	Well Type:	MONITORING
Source:	EDF	Other Name:	ASE-032-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=ASE-032-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=ASE-032-D		

C11
North
1/8 - 1/4 Mile
Higher

FED USGS **USGS40000138394**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	004S013W22F002S	Type:	Well
Description:	Not Reported	HUC:	18070104
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	194811	Well Depth:	572
Well Depth Units:	ft	Well Hole Depth:	700
Well Hole Depth Units:	ft		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

D12
East
1/8 - 1/4 Mile
Higher

CA WELLS **CADWR0000008777**

Well ID:	04S13W22G005S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W22G005S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W22G005S&store_num=		
GeoTracker Data:	Not Reported		

D13
East
1/8 - 1/4 Mile
Higher

CA WELLS **CADWR0000017601**

Well ID:	04S13W22G001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W22G001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W22G001S&store_num=		
GeoTracker Data:	Not Reported		

D14
East
1/8 - 1/4 Mile
Higher

CA WELLS **CADWR0000029512**

Well ID:	04S13W22G003S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W22G003S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W22G003S&store_num=		
GeoTracker Data:	Not Reported		

D15
East
1/8 - 1/4 Mile
Higher

CA WELLS **CADWR0000009868**

Well ID:	04S13W22G002S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W22G002S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W22G002S&store_num=		
GeoTracker Data:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

D16
East
1/8 - 1/4 Mile
Higher

CA WELLS **CADWR0000007977**

Well ID:	04S13W22G004S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W22G004S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W22G004S&store_num=		
GeoTracker Data:	Not Reported		

C17
North
1/8 - 1/4 Mile
Higher

CA WELLS **CADWR0000006463**

Well ID:	04S13W22C001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W22C001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W22C001S&store_num=		
GeoTracker Data:	Not Reported		

C18
North
1/8 - 1/4 Mile
Higher

CA WELLS **CADWR0000007957**

Well ID:	04S13W22C003S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W22C003S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W22C003S&store_num=		
GeoTracker Data:	Not Reported		

C19
North
1/8 - 1/4 Mile
Higher

CA WELLS **CADWR0000016323**

Well ID:	04S13W22C007S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W22C007S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W22C007S&store_num=		
GeoTracker Data:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

C20
North
1/8 - 1/4 Mile
Higher

CA WELLS **CADWR0000034221**

Well ID:	04S13W22C005S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W22C005S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W22C005S&store_num=		
GeoTracker Data:	Not Reported		

E21
NW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000049089**

Well ID:	SL372412434-AMR-522-D	Well Type:	MONITORING
Source:	EDF	Other Name:	AMR-522-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=AMR-522-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=AMR-522-D		

E22
NNW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000081784**

Well ID:	SL372412434-AMR-263B-G	Well Type:	MONITORING
Source:	EDF	Other Name:	AMR-263B-G
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=AMR-263B-G&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=AMR-263B-G		

E23
NNW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000101892**

Well ID:	SL372412434-AMR-263A-G	Well Type:	MONITORING
Source:	EDF	Other Name:	AMR-263A-G
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=AMR-263A-G&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=AMR-263A-G		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

F24
West
1/4 - 1/2 Mile
Higher

CA WELLS **CADWR0000011151**

Well ID:	04S13W22E001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W22E001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W22E001S&store_num=		
GeoTracker Data:	Not Reported		

F25
West
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000060640**

Well ID:	SL372412434-AMR-060-D	Well Type:	MONITORING
Source:	EDF	Other Name:	AMR-060-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=AMR-060-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=AMR-060-D		

G26
SSE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000079463**

Well ID:	SL372412434-ACT-17-D	Well Type:	MONITORING
Source:	EDF	Other Name:	ACT-17-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=ACT-17-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=ACT-17-D		

E27
NW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000104696**

Well ID:	SL372412434-AMR-603-D	Well Type:	MONITORING
Source:	EDF	Other Name:	AMR-603-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=AMR-603-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=AMR-603-D		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

E28
WNW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000069210**

Well ID:	SL372412434-AMR-553-D	Well Type:	MONITORING
Source:	EDF	Other Name:	AMR-553-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=AMR-553-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=AMR-553-D		

E29
NW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000038714**

Well ID:	SL372412434-AMR-604-D	Well Type:	MONITORING
Source:	EDF	Other Name:	AMR-604-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=AMR-604-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=AMR-604-D		

E30
NW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000085831**

Well ID:	SL372412434-AMR-613-D	Well Type:	MONITORING
Source:	EDF	Other Name:	AMR-613-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=AMR-613-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=AMR-613-D		

H31
SW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000092515**

Well ID:	SL372412434-AMR-261B-G	Well Type:	MONITORING
Source:	EDF	Other Name:	AMR-261B-G
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=AMR-261B-G&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=AMR-261B-G		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

H32
SW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000075108**

Well ID:	SL372412434-AMR-261A-G	Well Type:	MONITORING
Source:	EDF	Other Name:	AMR-261A-G
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=AMR-261A-G&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=AMR-261A-G		

G33
SSE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000048191**

Well ID:	SL372412434-ACT-13-D	Well Type:	MONITORING
Source:	EDF	Other Name:	ACT-13-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=ACT-13-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=ACT-13-D		

G34
SSE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000072868**

Well ID:	SL372412434-ACT-03-D	Well Type:	MONITORING
Source:	EDF	Other Name:	ACT-03-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=ACT-03-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=ACT-03-D		

E35
NW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000005278**

Well ID:	SL372412434-AMR-605-D	Well Type:	MONITORING
Source:	EDF	Other Name:	AMR-605-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=AMR-605-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=AMR-605-D		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

G36
SSE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000004333**

Well ID:	SL372412434-ACT-07-D	Well Type:	MONITORING
Source:	EDF	Other Name:	ACT-07-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=ACT-07-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=ACT-07-D		

I37
NW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000074895**

Well ID:	SL372412434-AMR-602-D	Well Type:	MONITORING
Source:	EDF	Other Name:	AMR-602-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=AMR-602-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=AMR-602-D		

I38
NW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000071443**

Well ID:	SL372412434-AMR-611-D	Well Type:	MONITORING
Source:	EDF	Other Name:	AMR-611-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=AMR-611-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=AMR-611-D		

G39
SE
1/4 - 1/2 Mile
Lower

CA WELLS **CADWR0000002216**

Well ID:	04S13W22K015S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W22K015S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W22K015S&store_num=		
GeoTracker Data:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

G40
SE
1/4 - 1/2 Mile
Lower

CA WELLS **CADWR0000016279**

Well ID:	04S13W22K003S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W22K003S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W22K003S&store_num=		
GeoTracker Data:	Not Reported		

G41
SE
1/4 - 1/2 Mile
Lower

CA WELLS **CADWR0000004022**

Well ID:	04S13W22K010S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W22K010S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W22K010S&store_num=		
GeoTracker Data:	Not Reported		

G42
SE
1/4 - 1/2 Mile
Lower

CA WELLS **CADWR0000002215**

Well ID:	04S13W22K017S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W22K017S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W22K017S&store_num=		
GeoTracker Data:	Not Reported		

G43
SE
1/4 - 1/2 Mile
Lower

CA WELLS **CADWR0000033373**

Well ID:	04S13W22K022S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W22K022S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W22K022S&store_num=		
GeoTracker Data:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

G44
SE **CA WELLS** **CADWR0000031550**
1/4 - 1/2 Mile
Lower

Well ID:	04S13W22K011S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W22K011S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W22K011S&store_num=		
GeoTracker Data:	Not Reported		

G45
SE **CA WELLS** **CADWR0000030734**
1/4 - 1/2 Mile
Lower

Well ID:	04S13W22K014S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W22K014S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W22K014S&store_num=		
GeoTracker Data:	Not Reported		

G46
SE **CA WELLS** **CADWR0000014938**
1/4 - 1/2 Mile
Lower

Well ID:	04S13W22K007S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W22K007S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W22K007S&store_num=		
GeoTracker Data:	Not Reported		

G47
SE **CA WELLS** **CADWR0000001684**
1/4 - 1/2 Mile
Lower

Well ID:	04S13W22K002S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W22K002S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W22K002S&store_num=		
GeoTracker Data:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

G48
SE
1/4 - 1/2 Mile
Lower

CA WELLS **CADWR0000034084**

Well ID:	04S13W22K005S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W22K005S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W22K005S&store_num=		
GeoTracker Data:	Not Reported		

G49
SE
1/4 - 1/2 Mile
Lower

CA WELLS **CADWR0000008219**

Well ID:	04S13W22K020S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W22K020S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W22K020S&store_num=		
GeoTracker Data:	Not Reported		

G50
SE
1/4 - 1/2 Mile
Lower

CA WELLS **CADWR0000019896**

Well ID:	04S13W22K009S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W22K009S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W22K009S&store_num=		
GeoTracker Data:	Not Reported		

G51
SE
1/4 - 1/2 Mile
Lower

CA WELLS **CADWR0000000803**

Well ID:	04S13W22K023S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W22K023S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W22K023S&store_num=		
GeoTracker Data:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

G52
SE
1/4 - 1/2 Mile
Lower

CA WELLS **CADWR0000014702**

Well ID: 04S13W22K027S
Well Type: UNK
Source: Department of Water Resources
Other Name: 04S13W22K027S
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W22K027S&store_num=
GeoTracker Data: Not Reported

G53
SE
1/4 - 1/2 Mile
Lower

CA WELLS **CADWR0000022330**

Well ID: 04S13W22K001S
Well Type: UNK
Source: Department of Water Resources
Other Name: 04S13W22K001S
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W22K001S&store_num=
GeoTracker Data: Not Reported

G54
SE
1/4 - 1/2 Mile
Lower

CA WELLS **CADWR0000035438**

Well ID: 04S13W22K019S
Well Type: UNK
Source: Department of Water Resources
Other Name: 04S13W22K019S
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W22K019S&store_num=
GeoTracker Data: Not Reported

I55
NW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000036581**

Well ID: SL372412434-AMR-601-D
Well Type: MONITORING
Source: EDF
Other Name: AMR-601-D
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=AMR-601-D&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=AMR-601-D

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

J56
NNW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000049624**

Well ID:	T0603721950-MW4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603721950&assigned_name=MW4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603721950&assigned_name=MW4		

J57
NNW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000124226**

Well ID:	T0603721950-MW3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603721950&assigned_name=MW3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603721950&assigned_name=MW3		

K58
SSE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000032865**

Well ID:	SL372412434-ACT-19-D	Well Type:	MONITORING
Source:	EDF	Other Name:	ACT-19-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=ACT-19-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=ACT-19-D		

L59
SW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000123708**

Well ID:	SL372402433-WD-6M	Well Type:	MONITORING
Source:	EDF	Other Name:	WD-6M
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372402433&assigned_name=WD-6M&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372402433&assigned_name=WD-6M		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

L60
SW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000131919**

Well ID:	SL372402433-WD-6L	Well Type:	MONITORING
Source:	EDF	Other Name:	WD-6L
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372402433&assigned_name=WD-6L&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372402433&assigned_name=WD-6L		

K61
SSE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000055934**

Well ID:	T10000007280-TMW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	TMW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000007280&assigned_name=TMW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000007280&assigned_name=TMW-3		

J62
NNW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000104534**

Well ID:	T0603721950-MW1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603721950&assigned_name=MW1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603721950&assigned_name=MW1		

L63
SW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000056018**

Well ID:	SL372402433-WD-6U	Well Type:	MONITORING
Source:	EDF	Other Name:	WD-6U
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372402433&assigned_name=WD-6U&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372402433&assigned_name=WD-6U		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

K64
SSE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000060778**

Well ID:	SLT43129127-MW-22R	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-22R
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SLT43129127&assigned_name=MW-22R&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SLT43129127&assigned_name=MW-22R		

J65
NNW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000139627**

Well ID:	T0603721950-MW2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603721950&assigned_name=MW2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603721950&assigned_name=MW2		

K66
SSE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000043704**

Well ID:	T10000007280-TMW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	TMW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000007280&assigned_name=TMW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000007280&assigned_name=TMW-2		

K67
SSE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000006590**

Well ID:	T10000007280-TMW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	TMW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000007280&assigned_name=TMW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000007280&assigned_name=TMW-1		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

J68
NNW
1/4 - 1/2 Mile
Higher | **CA WELLS** | **5351**

Seq:	5351	Prim sta c:	04S/13W-15F01 S
Frds no:	1910033024	County:	19
District:	07	User id:	4TH
System no:	1910033	Water type:	G
Source nam:	WELL 77	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	334900.0	Longitude:	1181400.0
Precision:	3	Status:	AR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	1910033	System nam:	Dominguez Water Corp
Hqname:	DOMINGUEZ WATER CORP	Address:	P.O. BOX 9351
City:	LONG BEACH	State:	CA
Zip:	90810	Zip ext:	Not Reported
Pop serv:	100000	Connection:	32000
Area serve:	Not Reported		

Sample date:	14-MAR-18	Finding:	2.
Chemical:	ODOR THRESHOLD @ 60 C	Report units:	TON
Dlr:	1.		

Sample date:	14-MAR-18	Finding:	7.5
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		

Sample date:	14-MAR-18	Finding:	0.14
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		

Sample date:	14-MAR-18	Finding:	26.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		

Sample date:	14-MAR-18	Finding:	9.8e-002
Chemical:	SULFIDE	Report units:	MG/L
Dlr:	0.		

Sample date:	14-MAR-18	Finding:	10.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		

Sample date:	07-FEB-18	Finding:	0.81
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		

Sample date:	07-FEB-18	Finding:	7.4e-002
Chemical:	SULFIDE	Report units:	MG/L
Dlr:	0.		

Sample date:	07-FEB-18	Finding:	0.47
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L
Dlr:	0.		

Sample date:	07-FEB-18	Finding:	7.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	07-FEB-18	Finding:	5.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	07-FEB-18	Finding:	27.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	07-FEB-18	Finding:	7.01
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	07-FEB-18	Finding:	26.7
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	07-FEB-18	Finding:	2.
Chemical:	ODOR THRESHOLD @ 60 C	Report units:	TON
Dlr:	1.		
Sample date:	03-JAN-18	Finding:	7.6
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	03-JAN-18	Finding:	2.
Chemical:	ODOR THRESHOLD @ 60 C	Report units:	TON
Dlr:	1.		
Sample date:	03-JAN-18	Finding:	10.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	03-JAN-18	Finding:	24.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	03-JAN-18	Finding:	0.12
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	26-DEC-17	Finding:	2.1
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	26-DEC-17	Finding:	11.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dlr:	0.		
Sample date:	26-DEC-17	Finding:	210.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	26-DEC-17	Finding:	22.
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	26-DEC-17	Finding:	2.7
Chemical:	POTASSIUM	Report units:	MG/L

Dlr:	0.		
Sample date:	26-DEC-17	Finding:	55.
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	26-DEC-17	Finding:	5.2
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	26-DEC-17	Finding:	22.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	26-DEC-17	Finding:	77.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	26-DEC-17	Finding:	180.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	26-DEC-17	Finding:	150.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	26-DEC-17	Finding:	7.12
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	26-DEC-17	Finding:	330.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	26-DEC-17	Finding:	1.2
Chemical:	ODOR THRESHOLD @ 60 C	Report units:	TON
Dlr:	1.		
Sample date:	26-DEC-17	Finding:	5.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	26-DEC-17	Finding:	0.22
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	06-DEC-17	Finding:	7.7e-002
Chemical:	SULFIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	06-DEC-17	Finding:	6.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	06-DEC-17	Finding:	2.
Chemical:	ODOR THRESHOLD @ 60 C	Report units:	TON
Dlr:	1.		
Sample date:	06-DEC-17	Finding:	10.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		

Sample date:	06-DEC-17	Finding:	25.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	06-DEC-17	Finding:	0.18
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	16-NOV-17	Finding:	8.3
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	16-NOV-17	Finding:	2.
Chemical:	ODOR THRESHOLD @ 60 C	Report units:	TON
Dlr:	1.		
Sample date:	16-NOV-17	Finding:	5.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	16-NOV-17	Finding:	24.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	16-NOV-17	Finding:	0.82
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	16-NOV-17	Finding:	8.3
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	16-NOV-17	Finding:	24.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	16-NOV-17	Finding:	8.3
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	16-NOV-17	Finding:	24.5
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	16-NOV-17	Finding:	8.2e-002
Chemical:	SULFIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	16-NOV-17	Finding:	0.48
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L
Dlr:	0.		
Sample date:	04-OCT-17	Finding:	2.
Chemical:	ODOR THRESHOLD @ 60 C	Report units:	TON
Dlr:	1.		
Sample date:	04-OCT-17	Finding:	6.7
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	04-OCT-17	Finding:	8.e-002
Chemical:	SULFIDE	Report units:	MG/L

Dlr:	0.		
Sample date:	04-OCT-17	Finding:	26.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	04-OCT-17	Finding:	5.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	20-SEP-17	Finding:	7.49
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	20-SEP-17	Finding:	25.8
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	20-SEP-17	Finding:	7.5
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	20-SEP-17	Finding:	6.8e-002
Chemical:	SULFIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	20-SEP-17	Finding:	26.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	20-SEP-17	Finding:	10.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	20-SEP-17	Finding:	7.5
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	20-SEP-17	Finding:	26.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	09-AUG-17	Finding:	10.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	09-AUG-17	Finding:	26.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	09-AUG-17	Finding:	0.66
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	09-AUG-17	Finding:	7.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	09-AUG-17	Finding:	7.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		

Sample date:	09-AUG-17	Finding:	0.45
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L
Dlr:	0.		
Sample date:	09-AUG-17	Finding:	26.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	28-JUN-17	Finding:	0.77
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	28-JUN-17	Finding:	0.42
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L
Dlr:	0.		
Sample date:	10-AUG-16	Finding:	26.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	10-AUG-16	Finding:	7.2
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	10-AUG-16	Finding:	26.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	10-AUG-16	Finding:	0.81
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	10-AUG-16	Finding:	0.36
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L
Dlr:	0.		
Sample date:	10-AUG-16	Finding:	7.2
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	10-AUG-16	Finding:	26.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	10-AUG-16	Finding:	7.19
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	10-AUG-16	Finding:	26.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	10-AUG-16	Finding:	0.53
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	10-AUG-16	Finding:	7.2
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	10-AUG-16	Finding:	40.
Chemical:	ODOR THRESHOLD @ 60 C	Report units:	TON

Dlr:	1.		
Sample date:	10-AUG-16	Finding:	10.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	10-AUG-16	Finding:	26.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	10-AUG-16	Finding:	7.19
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	18-MAY-16	Finding:	7.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	18-MAY-16	Finding:	0.17
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	18-MAY-16	Finding:	7.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	18-MAY-16	Finding:	5.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	18-MAY-16	Finding:	27.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	18-MAY-16	Finding:	7.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	18-MAY-16	Finding:	27.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	18-MAY-16	Finding:	0.41
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L
Dlr:	0.		
Sample date:	18-MAY-16	Finding:	7.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	18-MAY-16	Finding:	27.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	18-MAY-16	Finding:	0.64
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	18-MAY-16	Finding:	27.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		

Sample date:	18-MAY-16	Finding:	7.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	18-MAY-16	Finding:	27.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	10-FEB-16	Finding:	26.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	10-FEB-16	Finding:	7.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	10-FEB-16	Finding:	25.8
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	10-FEB-16	Finding:	0.42
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	10-FEB-16	Finding:	7.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	10-FEB-16	Finding:	26.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	10-FEB-16	Finding:	7.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	10-FEB-16	Finding:	0.74
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	10-FEB-16	Finding:	25.8
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	10-FEB-16	Finding:	7.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	10-FEB-16	Finding:	25.8
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	10-FEB-16	Finding:	26.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	10-FEB-16	Finding:	7.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	10-FEB-16	Finding:	0.41
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L

Dlr:	0.		
Sample date:	10-FEB-16	Finding:	7.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	10-FEB-16	Finding:	26.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	10-FEB-16	Finding:	7.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	10-FEB-16	Finding:	25.8
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	10-FEB-16	Finding:	7.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	10-FEB-16	Finding:	26.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	10-FEB-16	Finding:	7.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	04-NOV-15	Finding:	5.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	04-NOV-15	Finding:	2.
Chemical:	ODOR THRESHOLD @ 60 C	Report units:	TON
Dlr:	1.		
Sample date:	04-NOV-15	Finding:	7.1
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	04-NOV-15	Finding:	0.16
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	04-NOV-15	Finding:	25.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	04-NOV-15	Finding:	7.1
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	04-NOV-15	Finding:	0.81
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	04-NOV-15	Finding:	0.38
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L
Dlr:	0.		

Sample date:	04-NOV-15	Finding:	25.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	23-SEP-15	Finding:	7.26
Chemical:	METHYL ETHYL KETONE	Report units:	UG/L
Dlr:	5.		
Sample date:	19-AUG-15	Finding:	26.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	19-AUG-15	Finding:	0.47
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L
Dlr:	0.		
Sample date:	19-AUG-15	Finding:	0.71
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	19-AUG-15	Finding:	0.25
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	19-AUG-15	Finding:	10.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	19-AUG-15	Finding:	26.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	19-AUG-15	Finding:	8.1
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	19-AUG-15	Finding:	8.1
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	15-JUL-15	Finding:	26.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	15-JUL-15	Finding:	8.26
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	07-JUL-15	Finding:	25.5
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	07-JUL-15	Finding:	7.8
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	23-JUN-15	Finding:	8.2
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	23-JUN-15	Finding:	26.3
Chemical:	SOURCE TEMPERATURE C	Report units:	C

Dlr:	0.		
Sample date:	16-JUN-15	Finding:	8.2
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	16-JUN-15	Finding:	26.5
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	12-JUN-15	Finding:	7.7
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	12-JUN-15	Finding:	25.5
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	09-JUN-15	Finding:	25.8
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	09-JUN-15	Finding:	8.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	12-MAY-15	Finding:	8.1
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	12-MAY-15	Finding:	27.7
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	06-MAY-15	Finding:	5.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	06-MAY-15	Finding:	0.16
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	06-MAY-15	Finding:	0.71
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	06-MAY-15	Finding:	0.42
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L
Dlr:	0.		
Sample date:	06-MAY-15	Finding:	8.1
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	06-MAY-15	Finding:	2.
Chemical:	ODOR THRESHOLD @ 60 C	Report units:	TON
Dlr:	1.		
Sample date:	06-MAY-15	Finding:	26.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		

Sample date:	06-MAY-15	Finding:	8.1
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	06-MAY-15	Finding:	25.6
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	08-APR-15	Finding:	25.4
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	08-APR-15	Finding:	7.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	11-MAR-15	Finding:	25.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	11-MAR-15	Finding:	8.1
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	11-MAR-15	Finding:	2.5
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	11-MAR-15	Finding:	3.
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	11-MAR-15	Finding:	7.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	11-MAR-15	Finding:	24.8
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	17-FEB-15	Finding:	25.6
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	17-FEB-15	Finding:	8.1
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	11-FEB-15	Finding:	8.6e-002
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	11-FEB-15	Finding:	26.1
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	11-FEB-15	Finding:	8.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	11-FEB-15	Finding:	26.
Chemical:	SOURCE TEMPERATURE C	Report units:	C

Dlr:	0.		
Sample date:	11-FEB-15	Finding:	0.616
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	11-FEB-15	Finding:	0.4
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L
Dlr:	0.		
Sample date:	11-FEB-15	Finding:	7.8e-002
Chemical:	SULFIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	11-FEB-15	Finding:	8.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	11-FEB-15	Finding:	8.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	11-FEB-15	Finding:	5.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	11-FEB-15	Finding:	26.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	28-JAN-15	Finding:	8.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	28-JAN-15	Finding:	25.3
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	21-JAN-15	Finding:	24.6
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	21-JAN-15	Finding:	8.1
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	03-DEC-14	Finding:	23.9
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	03-DEC-14	Finding:	8.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	12-NOV-14	Finding:	8.1
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	12-NOV-14	Finding:	5.1e-002
Chemical:	SULFIDE	Report units:	MG/L
Dlr:	0.		

Sample date:	12-NOV-14	Finding:	0.4
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L
Dlr:	0.		
Sample date:	12-NOV-14	Finding:	0.66
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	12-NOV-14	Finding:	24.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	12-NOV-14	Finding:	10.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	12-NOV-14	Finding:	5.7e-002
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	12-NOV-14	Finding:	24.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	12-NOV-14	Finding:	8.1
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	06-NOV-14	Finding:	7.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	06-NOV-14	Finding:	25.6
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	07-OCT-14	Finding:	8.3
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	07-OCT-14	Finding:	26.9
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	03-SEP-14	Finding:	8.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	21-AUG-14	Finding:	8.23
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	13-AUG-14	Finding:	28.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	13-AUG-14	Finding:	0.67
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	13-AUG-14	Finding:	0.39
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L

Dlr:	0.		
Sample date:	13-AUG-14	Finding:	0.24
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	13-AUG-14	Finding:	8.1
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	13-AUG-14	Finding:	10.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	13-AUG-14	Finding:	28.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	13-AUG-14	Finding:	8.1
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	14-JUL-14	Finding:	8.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	08-JUL-14	Finding:	7.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	30-JUN-14	Finding:	8.3
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	24-JUN-14	Finding:	7.4
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	18-JUN-14	Finding:	8.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	18-JUN-14	Finding:	8.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	18-JUN-14	Finding:	26.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	18-JUN-14	Finding:	8.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	18-JUN-14	Finding:	26.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	18-JUN-14	Finding:	8.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		

Sample date:	18-JUN-14	Finding:	26.5
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	18-JUN-14	Finding:	8.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	18-JUN-14	Finding:	26.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	18-JUN-14	Finding:	0.6
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	18-JUN-14	Finding:	8.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	18-JUN-14	Finding:	26.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	18-JUN-14	Finding:	0.43
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L
Dlr:	0.		
Sample date:	18-JUN-14	Finding:	26.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	10-JUN-14	Finding:	7.71
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	05-JUN-14	Finding:	7.7
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	04-JUN-14	Finding:	7.6
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	26-FEB-14	Finding:	23.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	26-FEB-14	Finding:	23.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	26-FEB-14	Finding:	0.38
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	26-FEB-14	Finding:	7.8
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	26-FEB-14	Finding:	7.8
Chemical:	PH, FIELD	Report units:	Not Reported

Dlr:	0.		
Sample date:	26-FEB-14	Finding:	0.91
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	26-FEB-14	Finding:	23.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	26-FEB-14	Finding:	7.8
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	26-FEB-14	Finding:	0.44
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L
Dlr:	0.		
Sample date:	26-FEB-14	Finding:	23.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	26-FEB-14	Finding:	7.8
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	26-FEB-14	Finding:	23.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	26-FEB-14	Finding:	7.8
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	26-FEB-14	Finding:	7.8
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	27-JAN-14	Finding:	7.8
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	27-JAN-14	Finding:	7.8
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	27-JAN-14	Finding:	8.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	27-JAN-14	Finding:	7.7
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	27-JAN-14	Finding:	7.6
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	27-JAN-14	Finding:	7.8
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		

Sample date:	08-JAN-14	Finding:	7.8
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	06-JAN-14	Finding:	7.8
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	18-DEC-13	Finding:	9.2
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	18-DEC-13	Finding:	4.1
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	18-DEC-13	Finding:	1.9
Chemical:	DIBROMOCHLOROMETHANE (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	18-DEC-13	Finding:	3.2
Chemical:	BROMODICHLOROMETHANE (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	18-DEC-13	Finding:	7.4
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	16-DEC-13	Finding:	8.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	16-DEC-13	Finding:	8.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	16-DEC-13	Finding:	8.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	16-DEC-13	Finding:	8.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	16-DEC-13	Finding:	8.2
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	16-DEC-13	Finding:	8.2
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	16-DEC-13	Finding:	8.2
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	10-DEC-13	Finding:	7.6
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	19-NOV-13	Finding:	7.9
Chemical:	PH, FIELD	Report units:	Not Reported

Dlr:	0.		
Sample date:	13-NOV-13	Finding:	7.7
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	06-NOV-13	Finding:	2.
Chemical:	ODOR THRESHOLD @ 60 C	Report units:	TON
Dlr:	1.		
Sample date:	06-NOV-13	Finding:	5.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	06-NOV-13	Finding:	0.39
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	06-NOV-13	Finding:	0.75
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	06-NOV-13	Finding:	0.48
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L
Dlr:	0.		
Sample date:	05-NOV-13	Finding:	7.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	16-OCT-13	Finding:	8.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	26-SEP-13	Finding:	7.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	10-SEP-13	Finding:	10.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	10-SEP-13	Finding:	0.33
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	14-AUG-13	Finding:	0.44
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L
Dlr:	0.		
Sample date:	14-AUG-13	Finding:	0.88
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	13-AUG-13	Finding:	7.2
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	06-AUG-13	Finding:	7.3
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		

Sample date:	22-JUL-13	Finding:	7.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	16-JUL-13	Finding:	7.8
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	12-JUN-13	Finding:	7.7
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	23-MAY-13	Finding:	8.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	22-MAY-13	Finding:	7.8
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	21-MAY-13	Finding:	7.7
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	13-MAY-13	Finding:	7.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	08-MAY-13	Finding:	8.3
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	08-MAY-13	Finding:	15.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	08-MAY-13	Finding:	8.3
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	08-MAY-13	Finding:	25.7
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	08-MAY-13	Finding:	0.12
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	08-MAY-13	Finding:	0.44
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L
Dlr:	0.		
Sample date:	08-MAY-13	Finding:	8.3
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	08-MAY-13	Finding:	25.7
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	08-MAY-13	Finding:	0.81
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L

Dlr:	0.3		
Sample date:	08-MAY-13	Finding:	25.7
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	08-MAY-13	Finding:	8.3
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	07-MAY-13	Finding:	8.4
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	09-APR-13	Finding:	7.7
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	25-MAR-13	Finding:	7.7
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	22-MAR-13	Finding:	7.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	18-MAR-13	Finding:	8.2
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	13-MAR-13	Finding:	7.8
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	13-MAR-13	Finding:	7.7
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	13-MAR-13	Finding:	24.4
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	13-MAR-13	Finding:	24.4
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	13-MAR-13	Finding:	12.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dlr:	0.		
Sample date:	13-MAR-13	Finding:	0.4
Chemical:	LANGELIER INDEX @ 60 C	Report units:	Not Reported
Dlr:	0.		
Sample date:	13-MAR-13	Finding:	210.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	13-MAR-13	Finding:	0.24
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		

Sample date:	13-MAR-13	Finding:	2.6
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	13-MAR-13	Finding:	21.
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	13-MAR-13	Finding:	2.5
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	13-MAR-13	Finding:	48.
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	13-MAR-13	Finding:	4.8
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	13-MAR-13	Finding:	21.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	13-MAR-13	Finding:	72.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	13-MAR-13	Finding:	5.
Chemical:	CARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	13-MAR-13	Finding:	190.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	13-MAR-13	Finding:	160.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	13-MAR-13	Finding:	8.4
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	13-MAR-13	Finding:	350.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	13-MAR-13	Finding:	10.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	13-MAR-13	Finding:	7.7
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	13-MAR-13	Finding:	24.4
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	13-MAR-13	Finding:	7.7
Chemical:	PH, FIELD	Report units:	Not Reported

Dlr:	0.		
Sample date:	13-MAR-13	Finding:	24.4
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	13-MAR-13	Finding:	7.7
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	12-MAR-13	Finding:	7.7
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	06-FEB-13	Finding:	0.17
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	06-FEB-13	Finding:	10.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	06-FEB-13	Finding:	0.35
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L
Dlr:	0.		
Sample date:	06-FEB-13	Finding:	0.78
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	16-JAN-13	Finding:	6.3
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	13-DEC-12	Finding:	8.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	19-NOV-12	Finding:	7.8
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	14-NOV-12	Finding:	10.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	14-NOV-12	Finding:	0.47
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L
Dlr:	0.		
Sample date:	14-NOV-12	Finding:	0.86
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	14-NOV-12	Finding:	3.
Chemical:	ODOR THRESHOLD @ 60 C	Report units:	TON
Dlr:	1.		
Sample date:	14-NOV-12	Finding:	0.14
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		

Sample date:	14-NOV-12	Finding:	0.11
Chemical:	SULFIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	24-OCT-12	Finding:	7.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	18-OCT-12	Finding:	8.4
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	26-SEP-12	Finding:	2.6
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	26-SEP-12	Finding:	1.92
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	05-SEP-12	Finding:	7.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	08-AUG-12	Finding:	0.1
Chemical:	SULFIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	08-AUG-12	Finding:	8.5e-002
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	08-AUG-12	Finding:	2.
Chemical:	ODOR THRESHOLD @ 60 C	Report units:	TON
Dlr:	1.		
Sample date:	08-AUG-12	Finding:	10.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	08-AUG-12	Finding:	0.46
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L
Dlr:	0.		
Sample date:	08-AUG-12	Finding:	0.71
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	06-AUG-12	Finding:	8.4
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	09-JUL-12	Finding:	8.4
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	25-JUN-12	Finding:	8.3
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	09-MAY-12	Finding:	0.81
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L

Dlr:	0.3		
Sample date:	09-MAY-12	Finding:	7.7
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	09-MAY-12	Finding:	0.41
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L
Dlr:	0.		
Sample date:	09-MAY-12	Finding:	0.12
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	09-MAY-12	Finding:	2.
Chemical:	ODOR THRESHOLD @ 60 C	Report units:	TON
Dlr:	1.		
Sample date:	09-MAY-12	Finding:	5.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	11-APR-12	Finding:	8.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	12-MAR-12	Finding:	7.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	14-FEB-12	Finding:	8.3
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	08-FEB-12	Finding:	9.7e-002
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	08-FEB-12	Finding:	0.7
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	08-FEB-12	Finding:	0.42
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L
Dlr:	0.		
Sample date:	08-FEB-12	Finding:	5.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	11-JAN-12	Finding:	8.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		

M69
SSW
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000127145**

Well ID:	SLT43129127-CRGG-6UG	Well Type:	MONITORING
Source:	EDF	Other Name:	CRGG-6UG

GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SLT43129127&assigned_name=CRGG-6UG&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SLT43129127&assigned_name=CRGG-6UG

70
West
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000096219**

Well ID: SL372412434-AMR-050-S
Source: EDF
Well Type: MONITORING
Other Name: AMR-050-S
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=AMR-050-S&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=AMR-050-S

M71
SSW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000009003**

Well ID: SLT43129127-MW-52MG
Source: EDF
Well Type: MONITORING
Other Name: MW-52MG
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SLT43129127&assigned_name=MW-52MG&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SLT43129127&assigned_name=MW-52MG

M72
SSW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000101872**

Well ID: SLT43129127-MW-52UG
Source: EDF
Well Type: MONITORING
Other Name: MW-52UG
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SLT43129127&assigned_name=MW-52UG&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SLT43129127&assigned_name=MW-52UG

M73
SSW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000112324**

Well ID: SLT43129127-MW-52LG
Source: EDF
Well Type: MONITORING
Other Name: MW-52LG
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SLT43129127&assigned_name=MW-52LG&store_num=

GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SLT43129127&assigned_name=MW-52LG

M74
SSW
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000093884**

Well ID:	SLT43129127-CRGG-6A	Well Type:	MONITORING
Source:	EDF	Other Name:	CRGG-6A
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SLT43129127&assigned_name=CRGG-6A&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SLT43129127&assigned_name=CRGG-6A		

75
SW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000097063**

Well ID:	SL372402433-MW-32	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-32
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372402433&assigned_name=MW-32&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372402433&assigned_name=MW-32		

M76
SSW
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000041355**

Well ID:	SLT43129127-CRGG-6D	Well Type:	MONITORING
Source:	EDF	Other Name:	CRGG-6D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SLT43129127&assigned_name=CRGG-6D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SLT43129127&assigned_name=CRGG-6D		

M77
SSW
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000087755**

Well ID:	SLT43129127-CRGG-6B	Well Type:	MONITORING
Source:	EDF	Other Name:	CRGG-6B
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SLT43129127&assigned_name=CRGG-6B&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SLT43129127&assigned_name=CRGG-6B		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

M78
SSW
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000099988**

Well ID:	SLT43129127-CRGG-6C	Well Type:	MONITORING
Source:	EDF	Other Name:	CRGG-6C
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SLT43129127&assigned_name=CRGG-6C&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SLT43129127&assigned_name=CRGG-6C		

79
North
1/4 - 1/2 Mile
Higher

CA WELLS **CADWR0000012420**

Well ID:	04S13W15P003S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W15P003S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W15P003S&store_num=		
GeoTracker Data:	Not Reported		

80
WSW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000067882**

Well ID:	SL372402433-MW-55	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-55
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372402433&assigned_name=MW-55&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372402433&assigned_name=MW-55		

N81
NNE
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000018697**

Well ID:	04S13W15Q006S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W15Q006S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W15Q006S&store_num=		
GeoTracker Data:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

N82
NNE
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000028348**

Well ID:	04S13W15Q005S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W15Q005S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W15Q005S&store_num=		
GeoTracker Data:	Not Reported		

N83
NNE
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000024631**

Well ID:	04S13W15Q002S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W15Q002S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W15Q002S&store_num=		
GeoTracker Data:	Not Reported		

N84
NNE
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000011552**

Well ID:	04S13W15Q001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W15Q001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W15Q001S&store_num=		
GeoTracker Data:	Not Reported		

O85
West
1/2 - 1 Mile
Higher

FED USGS **USGS40000138380**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	004S013W21J002S	Type:	Well
Description:	Not Reported	HUC:	18070104
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	800
Well Depth Units:	ft	Well Hole Depth:	800
Well Hole Depth Units:	ft		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

P86
South
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000081447**

Well ID:	SLT43129127-MW-69	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-69
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SLT43129127&assigned_name=MW-69&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SLT43129127&assigned_name=MW-69		

P87
South
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000017212**

Well ID:	04S13W22P001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W22P001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W22P001S&store_num=		
GeoTracker Data:	Not Reported		

88
NNW
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000005792**

Well ID:	04S13W15N001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W15N001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W15N001S&store_num=		
GeoTracker Data:	Not Reported		

Q89
WNW
1/2 - 1 Mile
Higher

CA WELLS **CAUSGSN00008899**

Well ID:	USGS-334848118142301	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-334848118142301	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334848118142301&store_num=		
GeoTracker Data:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

Q90
WNW
1/2 - 1 Mile
Higher

FED USGS **USGS40000138391**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	004S013W21H007S	Type:	Well
Description:	Not Reported	HUC:	18070104
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19691020	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	745
Well Hole Depth Units:	ft		

Q91
West
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000009531**

Well ID:	SL372412434-AMR-WS-08	Well Type:	MONITORING
Source:	EDF	Other Name:	AMR-WS-08
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=AMR-WS-08&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=AMR-WS-08		

R92
SW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000126718**

Well ID:	SL372402433-WD-3	Well Type:	MONITORING
Source:	EDF	Other Name:	WD-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372402433&assigned_name=WD-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372402433&assigned_name=WD-3		

O93
West
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000078998**

Well ID:	SL372412434-AMR-WS-10	Well Type:	MONITORING
Source:	EDF	Other Name:	AMR-WS-10
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=AMR-WS-10&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=AMR-WS-10		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

O94
West
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000007963**

Well ID:	04S13W21H002S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W21H002S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W21H002S&store_num=		
GeoTracker Data:	Not Reported		

O95
West
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000021911**

Well ID:	04S13W21H003S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W21H003S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W21H003S&store_num=		
GeoTracker Data:	Not Reported		

O96
West
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000008381**

Well ID:	04S13W21H001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W21H001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W21H001S&store_num=		
GeoTracker Data:	Not Reported		

O97
West
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000010190**

Well ID:	04S13W21H005S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W21H005S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W21H005S&store_num=		
GeoTracker Data:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

O98
West
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000010358**

Well ID: 04S13W21H004S
Well Type: UNK
Source: Department of Water Resources
Other Name: 04S13W21H004S
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W21H004S&store_num=
GeoTracker Data: Not Reported

O99
West
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000028203**

Well ID: 04S13W21H006S
Well Type: UNK
Source: Department of Water Resources
Other Name: 04S13W21H006S
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W21H006S&store_num=
GeoTracker Data: Not Reported

O100
West
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000022323**

Well ID: 04S13W21H007S
Well Type: UNK
Source: Department of Water Resources
Other Name: 04S13W21H007S
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W21H007S&store_num=
GeoTracker Data: Not Reported

S101
SSE
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000000408**

Well ID: 04S13W22Q003S
Well Type: UNK
Source: Department of Water Resources
Other Name: 04S13W22Q003S
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W22Q003S&store_num=
GeoTracker Data: Not Reported

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

S102
SSE
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000029276**

Well ID:	04S13W22Q004S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W22Q004S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W22Q004S&store_num=		
GeoTracker Data:	Not Reported		

S103
SSE
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000028181**

Well ID:	04S13W22Q005S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W22Q005S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W22Q005S&store_num=		
GeoTracker Data:	Not Reported		

104
North
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000074948**

Well ID:	SL372412434-ANE-520-D	Well Type:	MONITORING
Source:	EDF	Other Name:	ANE-520-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=ANE-520-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=ANE-520-D		

R105
SW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000003565**

Well ID:	SL372402433-MW-26	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-26
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372402433&assigned_name=MW-26&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372402433&assigned_name=MW-26		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

T106
WNW
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000013670**

Well ID:	04S13W21A001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W21A001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W21A001S&store_num=		
GeoTracker Data:	Not Reported		

107
SW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000067502**

Well ID:	SL372402433-MW-23	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-23
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372402433&assigned_name=MW-23&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372402433&assigned_name=MW-23		

U108
South
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000115963**

Well ID:	T10000002352-H-133	Well Type:	MONITORING
Source:	EDF	Other Name:	H-133
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000002352&assigned_name=H-133&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000002352&assigned_name=H-133		

U109
South
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000090402**

Well ID:	SL372432436-H-133	Well Type:	MONITORING
Source:	EDF	Other Name:	H-133
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372432436&assigned_name=H-133&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372432436&assigned_name=H-133		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

V110
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000072933**

Well ID:	SL372402433-WD-5L	Well Type:	MONITORING
Source:	EDF	Other Name:	WD-5L
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372402433&assigned_name=WD-5L&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372402433&assigned_name=WD-5L		

V111
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000134527**

Well ID:	SL372402433-WD-5M	Well Type:	MONITORING
Source:	EDF	Other Name:	WD-5M
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372402433&assigned_name=WD-5M&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372402433&assigned_name=WD-5M		

V112
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000010202**

Well ID:	SL372402433-WD-5U	Well Type:	MONITORING
Source:	EDF	Other Name:	WD-5U
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372402433&assigned_name=WD-5U&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372402433&assigned_name=WD-5U		

113
WSW
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000012488**

Well ID:	04S13W21J002S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W21J002S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W21J002S&store_num=		
GeoTracker Data:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

U114
South
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000092052**

Well ID:	SLT43129127-MW-68	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-68
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SLT43129127&assigned_name=MW-68&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SLT43129127&assigned_name=MW-68		

W115
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000099560**

Well ID:	SLT43129127-MW-74ML	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-74ML
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SLT43129127&assigned_name=MW-74ML&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SLT43129127&assigned_name=MW-74ML		

W116
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000134336**

Well ID:	SLT43129127-MW-74UG	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-74UG
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SLT43129127&assigned_name=MW-74UG&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SLT43129127&assigned_name=MW-74UG		

W117
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000094290**

Well ID:	SLT43129127-MW-74LG	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-74LG
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SLT43129127&assigned_name=MW-74LG&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SLT43129127&assigned_name=MW-74LG		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

V118
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000098157**

Well ID:	SLT43129127-MW-51LG	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-51LG
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SLT43129127&assigned_name=MW-51LG&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SLT43129127&assigned_name=MW-51LG		

V119
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000000077**

Well ID:	SLT43129127-MW-51UG	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-51UG
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SLT43129127&assigned_name=MW-51UG&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SLT43129127&assigned_name=MW-51UG		

V120
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000004440**

Well ID:	SLT43129127-MW-6B	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6B
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SLT43129127&assigned_name=MW-6B&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SLT43129127&assigned_name=MW-6B		

X121
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000136314**

Well ID:	WDR100000664-MW-21C	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-21C
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100000664&assigned_name=MW-21C&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100000664&assigned_name=MW-21C		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

122
SW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000124155**

Well ID:	SL372402433-MW-25	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-25
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372402433&assigned_name=MW-25&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372402433&assigned_name=MW-25		

Y123
South
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000125375**

Well ID:	T10000002352-RW-8	Well Type:	MONITORING
Source:	EDF	Other Name:	RW-8
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000002352&assigned_name=RW-8&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000002352&assigned_name=RW-8		

Y124
South
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000108759**

Well ID:	T10000002352-RW-9	Well Type:	MONITORING
Source:	EDF	Other Name:	RW-9
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000002352&assigned_name=RW-9&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000002352&assigned_name=RW-9		

Y125
South
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000071166**

Well ID:	T10000002352-RW-31	Well Type:	MONITORING
Source:	EDF	Other Name:	RW-31
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000002352&assigned_name=RW-31&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000002352&assigned_name=RW-31		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

V126
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000042730**

Well ID:	SLT43129127-MW-6C	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6C
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SLT43129127&assigned_name=MW-6C&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SLT43129127&assigned_name=MW-6C		

X127
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000036969**

Well ID:	WDR100000664-MW-21B	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-21B
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100000664&assigned_name=MW-21B&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100000664&assigned_name=MW-21B		

X128
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000125309**

Well ID:	WDR100000664-MW-21A	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-21A
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100000664&assigned_name=MW-21A&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100000664&assigned_name=MW-21A		

U129
South
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000005562**

Well ID:	T10000002352-RW-7	Well Type:	MONITORING
Source:	EDF	Other Name:	RW-7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000002352&assigned_name=RW-7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000002352&assigned_name=RW-7		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

Z130
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000076703**

Well ID:	SL372412434-AMR-517-D	Well Type:	MONITORING
Source:	EDF	Other Name:	AMR-517-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=AMR-517-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=AMR-517-D		

T131
WNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000120577**

Well ID:	SL372412434-AMR-258B-G	Well Type:	MONITORING
Source:	EDF	Other Name:	AMR-258B-G
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=AMR-258B-G&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=AMR-258B-G		

T132
WNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000064669**

Well ID:	SL372412434-AMR-258A-G	Well Type:	MONITORING
Source:	EDF	Other Name:	AMR-258A-G
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=AMR-258A-G&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=AMR-258A-G		

U133
South
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000062522**

Well ID:	T10000002352-RW-20	Well Type:	MONITORING
Source:	EDF	Other Name:	RW-20
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000002352&assigned_name=RW-20&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000002352&assigned_name=RW-20		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

V134
SW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000080242**

Well ID:	SL372402433-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372402433&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372402433&assigned_name=MW-2		

AA135
NE
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000000651**

Well ID:	04S13W15R003S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W15R003S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W15R003S&store_num=		
GeoTracker Data:	Not Reported		

AA136
NE
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000008340**

Well ID:	04S13W15R002S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W15R002S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W15R002S&store_num=		
GeoTracker Data:	Not Reported		

137
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000032153**

Well ID:	SLT43129127-MW-77	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-77
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SLT43129127&assigned_name=MW-77&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SLT43129127&assigned_name=MW-77		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AB138
West
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000004797**

Well ID:	SL372412434-AMR-612-D	Well Type:	MONITORING
Source:	EDF	Other Name:	AMR-612-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=AMR-612-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=AMR-612-D		

X139
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000128250**

Well ID:	SL372412434-ANE-098-D	Well Type:	MONITORING
Source:	EDF	Other Name:	ANE-098-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=ANE-098-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=ANE-098-D		

Y140
South
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000070742**

Well ID:	T10000002352-RW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	RW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000002352&assigned_name=RW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000002352&assigned_name=RW-6		

AB141
West
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000079595**

Well ID:	SL372412434-AMR-236-D	Well Type:	MONITORING
Source:	EDF	Other Name:	AMR-236-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=AMR-236-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=AMR-236-D		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

X142
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000141953**

Well ID:	SL372412434-ANE-100-D	Well Type:	MONITORING
Source:	EDF	Other Name:	ANE-100-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=ANE-100-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=ANE-100-D		

AB143
West
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000069685**

Well ID:	SL372412434-AMR-290-D	Well Type:	MONITORING
Source:	EDF	Other Name:	AMR-290-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=AMR-290-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=AMR-290-D		

AC144
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000046612**

Well ID:	SL372412434-ANE-519-D	Well Type:	MONITORING
Source:	EDF	Other Name:	ANE-519-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=ANE-519-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=ANE-519-D		

X145
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000012090**

Well ID:	SL372412434-ANE-095-D	Well Type:	MONITORING
Source:	EDF	Other Name:	ANE-095-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=ANE-095-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=ANE-095-D		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

Y146
South
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000003324**

Well ID:	T10000002352-RW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	RW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000002352&assigned_name=RW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000002352&assigned_name=RW-4		

AD147
North
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000102537**

Well ID:	SL372412434-ANE-035-D	Well Type:	MONITORING
Source:	EDF	Other Name:	ANE-035-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=ANE-035-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=ANE-035-D		

AD148
North
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000065507**

Well ID:	WDR100000664-AW-35D	Well Type:	MONITORING
Source:	EDF	Other Name:	AW-35D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100000664&assigned_name=AW-35D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100000664&assigned_name=AW-35D		

AD149
North
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000036727**

Well ID:	SL372412434-ANE-035-S	Well Type:	MONITORING
Source:	EDF	Other Name:	ANE-035-S
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=ANE-035-S&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=ANE-035-S		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AE150
South
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000016726**

Well ID:	T10000002352-RW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	RW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000002352&assigned_name=RW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000002352&assigned_name=RW-2		

AF151
SW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000029923**

Well ID:	SL372402433-MW-30	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-30
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372402433&assigned_name=MW-30&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372402433&assigned_name=MW-30		

Y152
South
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000036933**

Well ID:	T10000002352-RW-30	Well Type:	MONITORING
Source:	EDF	Other Name:	RW-30
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000002352&assigned_name=RW-30&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000002352&assigned_name=RW-30		

AG153
WSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000091106**

Well ID:	SL372412434-AMR-002-D	Well Type:	MONITORING
Source:	EDF	Other Name:	AMR-002-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=AMR-002-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=AMR-002-D		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AH154
WSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000099352**

Well ID:	SL372402433-MW-56	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-56
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372402433&assigned_name=MW-56&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372402433&assigned_name=MW-56		

AC155
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000031834**

Well ID:	WDR100000664-MW-23C	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-23C
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100000664&assigned_name=MW-23C&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100000664&assigned_name=MW-23C		

AC156
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000135624**

Well ID:	WDR100000664-MW-23B	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-23B
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100000664&assigned_name=MW-23B&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100000664&assigned_name=MW-23B		

AE157
South
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000142782**

Well ID:	T10000002352-RW-15	Well Type:	MONITORING
Source:	EDF	Other Name:	RW-15
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000002352&assigned_name=RW-15&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000002352&assigned_name=RW-15		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AE158
South
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000128902**

Well ID:	T10000002352-RW-32	Well Type:	MONITORING
Source:	EDF	Other Name:	RW-32
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000002352&assigned_name=RW-32&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000002352&assigned_name=RW-32		

AE159
South
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000068980**

Well ID:	T10000002352-RW-17	Well Type:	MONITORING
Source:	EDF	Other Name:	RW-17
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000002352&assigned_name=RW-17&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000002352&assigned_name=RW-17		

160
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000056362**

Well ID:	WDR100000664-GMW-7	Well Type:	MONITORING
Source:	EDF	Other Name:	GMW-7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100000664&assigned_name=GMW-7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100000664&assigned_name=GMW-7		

AF161
SW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000049919**

Well ID:	SL372402433-MW-31	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-31
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372402433&assigned_name=MW-31&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372402433&assigned_name=MW-31		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

162
North
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000113524**

Well ID:	SL372412434-ANE-521-D	Well Type:	MONITORING
Source:	EDF	Other Name:	ANE-521-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=ANE-521-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=ANE-521-D		

Z163
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000112775**

Well ID:	SL372412434-ANP-516-D	Well Type:	MONITORING
Source:	EDF	Other Name:	ANP-516-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=ANP-516-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=ANP-516-D		

AI164
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000011670**

Well ID:	SLT43129127-MW-62	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-62
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SLT43129127&assigned_name=MW-62&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SLT43129127&assigned_name=MW-62		

AH165
WSW
1/2 - 1 Mile
Higher

FED USGS **USGS40000138326**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	004S013W21R001S	Type:	Well
Description:	Not Reported	HUC:	18070104
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	780
Well Depth Units:	ft	Well Hole Depth:	846

Well Hole Depth Units: ft

AD166
North
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000033449**

Well ID:	SL372412434-ANE-097-D	Well Type:	MONITORING
Source:	EDF	Other Name:	ANE-097-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=ANE-097-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=ANE-097-D		

Z167
NW
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000022158**

Well ID:	04S13W16R001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W16R001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W16R001S&store_num=		
GeoTracker Data:	Not Reported		

Z168
NW
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000037690**

Well ID:	04S13W16R002S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W16R002S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W16R002S&store_num=		
GeoTracker Data:	Not Reported		

AJ169
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000016331**

Well ID:	WDR100000664-MW-5A	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5A
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100000664&assigned_name=MW-5A&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100000664&assigned_name=MW-5A		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AE170
South
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000055058**

Well ID:	T10000002352-RW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	RW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000002352&assigned_name=RW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000002352&assigned_name=RW-1		

AB171
West
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000077816**

Well ID:	SL372412434-AMR-607-D	Well Type:	MONITORING
Source:	EDF	Other Name:	AMR-607-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=AMR-607-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=AMR-607-D		

AE172
South
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000064062**

Well ID:	SLT43129127-MW-72LG	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-72LG
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SLT43129127&assigned_name=MW-72LG&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SLT43129127&assigned_name=MW-72LG		

AE173
South
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000002827**

Well ID:	SLT43129127-MW-72UG	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-72UG
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SLT43129127&assigned_name=MW-72UG&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SLT43129127&assigned_name=MW-72UG		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AB174
West
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000034510**

Well ID:	SL372412434-AMR-608-D	Well Type:	MONITORING
Source:	EDF	Other Name:	AMR-608-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=AMR-608-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=AMR-608-D		

AB175
West
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000080044**

Well ID:	SL372412434-AMR-609-D	Well Type:	MONITORING
Source:	EDF	Other Name:	AMR-609-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=AMR-609-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=AMR-609-D		

AD176
North
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000039147**

Well ID:	WDR100000664-MW-17C	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-17C
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100000664&assigned_name=MW-17C&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100000664&assigned_name=MW-17C		

AE177
South
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000141681**

Well ID:	SLT43129127-MW-72ML	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-72ML
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SLT43129127&assigned_name=MW-72ML&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SLT43129127&assigned_name=MW-72ML		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AE178
South
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000060170**

Well ID:	T10000002352-RW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	RW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000002352&assigned_name=RW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000002352&assigned_name=RW-5		

AK179
NNE
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000024666**

Well ID:	04S13W15K001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W15K001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W15K001S&store_num=		
GeoTracker Data:	Not Reported		

AK180
NNE
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000021186**

Well ID:	04S13W15K003S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W15K003S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W15K003S&store_num=		
GeoTracker Data:	Not Reported		

AI181
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000032593**

Well ID:	SLT43129127-MW-76	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-76
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SLT43129127&assigned_name=MW-76&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SLT43129127&assigned_name=MW-76		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AC182
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000076775**

Well ID:	SL372412434-ANE-036-D	Well Type:	MONITORING
Source:	EDF	Other Name:	ANE-036-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=ANE-036-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=ANE-036-D		

AI183
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000038350**

Well ID:	SLT43129127-MW-73ML	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-73ML
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SLT43129127&assigned_name=MW-73ML&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SLT43129127&assigned_name=MW-73ML		

AI184
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000079614**

Well ID:	SLT43129127-MW-73UG	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-73UG
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SLT43129127&assigned_name=MW-73UG&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SLT43129127&assigned_name=MW-73UG		

AI185
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000077730**

Well ID:	SLT43129127-MW-73LG	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-73LG
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SLT43129127&assigned_name=MW-73LG&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SLT43129127&assigned_name=MW-73LG		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

186
South
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000096912**

Well ID:	SLT43129127-MW-75	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-75
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SLT43129127&assigned_name=MW-75&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SLT43129127&assigned_name=MW-75		

AG187
WSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000107181**

Well ID:	SL372412434-AMR-264B-G	Well Type:	MONITORING
Source:	EDF	Other Name:	AMR-264B-G
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=AMR-264B-G&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=AMR-264B-G		

AG188
WSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000047818**

Well ID:	SL372412434-AMR-264A-G	Well Type:	MONITORING
Source:	EDF	Other Name:	AMR-264A-G
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=AMR-264A-G&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=AMR-264A-G		

AL189
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000108503**

Well ID:	SLT43129127-MW-53MG	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-53MG
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SLT43129127&assigned_name=MW-53MG&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SLT43129127&assigned_name=MW-53MG		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AL190
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000089562**

Well ID:	SLT43129127-MW-53LG	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-53LG
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SLT43129127&assigned_name=MW-53LG&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SLT43129127&assigned_name=MW-53LG		

AL191
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000032730**

Well ID:	SLT43129127-MW-53UG	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-53UG
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SLT43129127&assigned_name=MW-53UG&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SLT43129127&assigned_name=MW-53UG		

AM192
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000047117**

Well ID:	SL372402433-MW-22	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-22
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372402433&assigned_name=MW-22&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372402433&assigned_name=MW-22		

193
SW
1/2 - 1 Mile
Lower

CA WELLS **CADWR0000023288**

Well ID:	04S13W21R001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W21R001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W21R001S&store_num=		
GeoTracker Data:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AN194
West
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000040302**

Well ID:	SL372412434-AMR-526-D	Well Type:	MONITORING
Source:	EDF	Other Name:	AMR-526-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=AMR-526-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=AMR-526-D		

AO195
SW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000143396**

Well ID:	SL372402433-MW-17	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-17
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372402433&assigned_name=MW-17&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372402433&assigned_name=MW-17		

AM196
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000016912**

Well ID:	SL372402433-WD-2	Well Type:	MONITORING
Source:	EDF	Other Name:	WD-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372402433&assigned_name=WD-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372402433&assigned_name=WD-2		

AP197
South
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000018435**

Well ID:	T10000002352-RW-16	Well Type:	MONITORING
Source:	EDF	Other Name:	RW-16
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000002352&assigned_name=RW-16&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000002352&assigned_name=RW-16		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AF198
SW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000125015**

Well ID:	SL372402433-MW-24	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-24
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372402433&assigned_name=MW-24&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372402433&assigned_name=MW-24		

AI199
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000045436**

Well ID:	SL372432436-H-61	Well Type:	MONITORING
Source:	EDF	Other Name:	H-61
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372432436&assigned_name=H-61&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372432436&assigned_name=H-61		

AO200
WSW
1/2 - 1 Mile
Higher

FED USGS **USGS40000138322**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	004S013W21R002S	Type:	Well
Description:	Not Reported	HUC:	18070104
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

AQ201
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000055229**

Well ID:	SL372412434-ANE-094-D	Well Type:	MONITORING
Source:	EDF	Other Name:	ANE-094-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=ANE-094-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=ANE-094-D		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AI202
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000125689**

Well ID:	SL372432436-H-61R	Well Type:	MONITORING
Source:	EDF	Other Name:	H-61R
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372432436&assigned_name=H-61R&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372432436&assigned_name=H-61R		

203
West
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000113149**

Well ID:	SL372412434-AMR-523-D	Well Type:	MONITORING
Source:	EDF	Other Name:	AMR-523-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=AMR-523-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=AMR-523-D		

AL204
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000141838**

Well ID:	SL372402433-WD-4L	Well Type:	MONITORING
Source:	EDF	Other Name:	WD-4L
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372402433&assigned_name=WD-4L&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372402433&assigned_name=WD-4L		

AL205
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000096791**

Well ID:	SL372402433-WD-4M	Well Type:	MONITORING
Source:	EDF	Other Name:	WD-4M
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372402433&assigned_name=WD-4M&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372402433&assigned_name=WD-4M		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AL206
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000038277**

Well ID:	SL372402433-WD-4U	Well Type:	MONITORING
Source:	EDF	Other Name:	WD-4U
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372402433&assigned_name=WD-4U&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372402433&assigned_name=WD-4U		

AJ207
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000016731**

Well ID:	WDR100000664-MW-12D	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-12D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100000664&assigned_name=MW-12D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100000664&assigned_name=MW-12D		

AR208
SE
1/2 - 1 Mile
Lower

CA WELLS **CADWR9000005612**

State Well #:	04S13W23N003S	Station ID:	5458
Well Name:	Not Reported	Basin Name:	West Coast
Well Use:	Unknown	Well Type:	Unknown
Well Depth:	0	Well Completion Rpt #:	Not Reported

AP209
SSE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000122561**

Well ID:	SL372432436-27YC	Well Type:	MONITORING
Source:	EDF	Other Name:	27YC
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372432436&assigned_name=27YC&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372432436&assigned_name=27YC		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AP210
SSE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000142830**

Well ID:	WDR100000534-101452	Well Type:	MONITORING
Source:	EDF	Other Name:	101452
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100000534&assigned_name=101452&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100000534&assigned_name=101452		

AP211
SSE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000014379**

Well ID:	WDR100000534-101451	Well Type:	MONITORING
Source:	EDF	Other Name:	101451
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100000534&assigned_name=101451&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100000534&assigned_name=101451		

AP212
SSE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000102940**

Well ID:	WDR100000534-101885	Well Type:	MONITORING
Source:	EDF	Other Name:	101885
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100000534&assigned_name=101885&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100000534&assigned_name=101885		

AN213
West
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000001481**

Well ID:	SL372412434-AMR-017-D	Well Type:	MONITORING
Source:	EDF	Other Name:	AMR-017-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=AMR-017-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=AMR-017-D		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AN214
West
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000107769**

Well ID:	SL372412434-AMR-017-S	Well Type:	MONITORING
Source:	EDF	Other Name:	AMR-017-S
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=AMR-017-S&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=AMR-017-S		

AN215
West
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000081828**

Well ID:	SL372412434-AMR-524-D	Well Type:	MONITORING
Source:	EDF	Other Name:	AMR-524-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=AMR-524-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=AMR-524-D		

AL216
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000051777**

Well ID:	SL372432436-H-30R	Well Type:	MONITORING
Source:	EDF	Other Name:	H-30R
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372432436&assigned_name=H-30R&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372432436&assigned_name=H-30R		

AR217
SE
1/2 - 1 Mile
Lower

FED USGS **USGS40000138311**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	004S013W23N003S	Type:	Well
Description:	Not Reported	HUC:	Not Reported
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19600504	Well Depth:	471
Well Depth Units:	ft	Well Hole Depth:	1125

Well Hole Depth Units: ft

Ground water levels,Number of Measurements: 1 Level reading date: 1999-02-11
Feet below surface: 79.9 Feet to sea level: Not Reported
Note: Not Reported

AQ218
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000121212**

Well ID: WDR100000664-GMW-4 Well Type: MONITORING
Source: EDF Other Name: GMW-4
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100000664&assigned_name=GMW-4&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100000664&assigned_name=GMW-4

AR219
SE
1/2 - 1 Mile
Lower

CA WELLS **CAUSGSN00016769**

Well ID: USGS-334814118131301 Well Type: UNK
Source: United States Geological Survey
Other Name: USGS-334814118131301 GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334814118131301&store_num=
GeoTracker Data: Not Reported

AL220
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000048482**

Well ID: SL372432436-H-24R Well Type: MONITORING
Source: EDF Other Name: H-24R
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372432436&assigned_name=H-24R&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372432436&assigned_name=H-24R

AQ221
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000099809**

Well ID: WDR100000664-MW-26C Well Type: MONITORING
Source: EDF Other Name: MW-26C
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100000664&assigned_name=MW-26C&store_num=

GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100000664&assigned_name=MW-26C

AS222
WSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000001876**

Well ID:	SL372412434-AMR-527-D	Well Type:	MONITORING
Source:	EDF	Other Name:	AMR-527-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=AMR-527-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=AMR-527-D		

AQ223
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000089117**

Well ID:	WDR100014643-W-5	Well Type:	MONITORING
Source:	EDF	Other Name:	W-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100014643&assigned_name=W-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100014643&assigned_name=W-5		

AT224
SSW
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000031097**

Well ID:	04S13W27D006S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W27D006S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W27D006S&store_num=		
GeoTracker Data:	Not Reported		

AQ225
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000133839**

Well ID:	WDR100014643-W-3	Well Type:	MONITORING
Source:	EDF	Other Name:	W-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100014643&assigned_name=W-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100014643&assigned_name=W-3		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AU226
WSW
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000009031**

Well ID:	04S13W21K002S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W21K002S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W21K002S&store_num=		
GeoTracker Data:	Not Reported		

AU227
WSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000045578**

Well ID:	SL372402433-WD-1	Well Type:	MONITORING
Source:	EDF	Other Name:	WD-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372402433&assigned_name=WD-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372402433&assigned_name=WD-1		

AR228
SE
1/2 - 1 Mile
Lower

CA WELLS **CADWR0000000512**

Well ID:	04S13W23N003S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W23N003S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W23N003S&store_num=		
GeoTracker Data:	Not Reported		

AV229
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000136661**

Well ID:	SL372402433-MW-35	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-35
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372402433&assigned_name=MW-35&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372402433&assigned_name=MW-35		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AW230
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000131756**

Well ID:	WDR100000664-MW-9C	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-9C
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100000664&assigned_name=MW-9C&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100000664&assigned_name=MW-9C		

AW231
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000047964**

Well ID:	WDR100000664-MW-9DR	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-9DR
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100000664&assigned_name=MW-9DR&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100000664&assigned_name=MW-9DR		

AX232
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000082976**

Well ID:	SL372412434-ANP-238-D	Well Type:	MONITORING
Source:	EDF	Other Name:	ANP-238-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=ANP-238-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=ANP-238-D		

AU233
WSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000132424**

Well ID:	SL372402433-MW-19	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-19
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372402433&assigned_name=MW-19&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372402433&assigned_name=MW-19		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AW234
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000046569**

Well ID:	WDR100000664-MW-9A	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-9A
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100000664&assigned_name=MW-9A&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100000664&assigned_name=MW-9A		

AT235
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000034531**

Well ID:	SL372432436-ES-4R	Well Type:	MONITORING
Source:	EDF	Other Name:	ES-4R
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372432436&assigned_name=ES-4R&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372432436&assigned_name=ES-4R		

AW236
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000058670**

Well ID:	WDR100000664-MW-2A	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2A
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100000664&assigned_name=MW-2A&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100000664&assigned_name=MW-2A		

AW237
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000083675**

Well ID:	WDR100000664-MW-2B	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2B
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100000664&assigned_name=MW-2B&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100000664&assigned_name=MW-2B		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AY238
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000042558**

Well ID:	WDR100000664-MW-6DR	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6DR
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100000664&assigned_name=MW-6DR&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100000664&assigned_name=MW-6DR		

AS239
WSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000138231**

Well ID:	SL372402433-MW-54	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-54
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372402433&assigned_name=MW-54&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372402433&assigned_name=MW-54		

AZ240
WSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000071321**

Well ID:	SL372402433-WD-7U	Well Type:	MONITORING
Source:	EDF	Other Name:	WD-7U
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372402433&assigned_name=WD-7U&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372402433&assigned_name=WD-7U		

AZ241
WSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000022513**

Well ID:	SL372402433-WD-7M	Well Type:	MONITORING
Source:	EDF	Other Name:	WD-7M
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372402433&assigned_name=WD-7M&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372402433&assigned_name=WD-7M		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AZ242
SW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000114598**

Well ID:	SL372402433-WD-7L	Well Type:	MONITORING
Source:	EDF	Other Name:	WD-7L
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372402433&assigned_name=WD-7L&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372402433&assigned_name=WD-7L		

AX243
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000127958**

Well ID:	SL372412434-ANP-555-D	Well Type:	MONITORING
Source:	EDF	Other Name:	ANP-555-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=ANP-555-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=ANP-555-D		

BA244
SE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000094969**

Well ID:	SL184891472-P-3S	Well Type:	MONITORING
Source:	EDF	Other Name:	P-3S
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=P-3S&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=P-3S		

BA245
SE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000070607**

Well ID:	SL184891472-P-3D	Well Type:	MONITORING
Source:	EDF	Other Name:	P-3D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=P-3D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=P-3D		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

BB246
North
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000073174**

Well ID:	WDR100000664-MW-3A	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3A
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100000664&assigned_name=MW-3A&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100000664&assigned_name=MW-3A		

BC247
WNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000056302**

Well ID:	SL372412434-ANP-514-D	Well Type:	MONITORING
Source:	EDF	Other Name:	ANP-514-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=ANP-514-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=ANP-514-D		

AV248
SSW
1/2 - 1 Mile
Higher

FED USGS **USGS40000138286**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	004S013W28A004S	Type:	Well
Description:	Not Reported	HUC:	18070104
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19971111	Well Depth:	800
Well Depth Units:	ft	Well Hole Depth:	1038
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	30	Level reading date:	2002-09-25
Feet below surface:	97.31	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	2002-06-26	Feet below surface:	98.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-05-13	Feet below surface:	104.13
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-03-29	Feet below surface:	102.05
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	2001-12-26	Feet below surface:	96.05
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-09-27	Feet below surface:	110.15
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-07-02	Feet below surface:	109.49
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-03-29	Feet below surface:	110.41
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-02-15	Feet below surface:	102.89
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-12-28	Feet below surface:	102.03
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-10-31	Feet below surface:	108.45
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-09-27	Feet below surface:	7.02
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-04-04	Feet below surface:	109.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-01-07	Feet below surface:	112.47
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-10-04	Feet below surface:	110.51
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-09-23	Feet below surface:	110.55
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-08-31	Feet below surface:	110.15
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-05-12	Feet below surface:	108.79
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-04-24	Feet below surface:	108.34
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-04-23	Feet below surface:	108.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-02-05	Feet below surface:	108.09
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-11-18	Feet below surface:	110.36
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-10-18	Feet below surface:	112.34
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-10-05	Feet below surface:	112.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-07-01	Feet below surface:	114.09
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1998-04-23	Feet below surface:	112.76
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-01-13	Feet below surface:	109.08
Feet to sea level:	Not Reported		
Note:	A nearby site that taps the same aquifer had been pumped recently.		
Level reading date:	1997-12-16	Feet below surface:	108.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-12-04	Feet below surface:	108.43
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-12-02	Feet below surface:	108.80
Feet to sea level:	Not Reported	Note:	Not Reported

AV249
SSW
1/2 - 1 Mile
Higher

FED USGS **USGS40000138285**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	004S013W28A003S	Type:	Well
Description:	Not Reported	HUC:	18070104
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19971111	Well Depth:	1035
Well Depth Units:	ft	Well Hole Depth:	1038
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	27	Level reading date:	2002-09-25
Feet below surface:	97.08	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	2002-06-26	Feet below surface:	98.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-05-13	Feet below surface:	103.93
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-03-29	Feet below surface:	101.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-12-26	Feet below surface:	95.82
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-09-27	Feet below surface:	109.93
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-07-02	Feet below surface:	109.26
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-03-29	Feet below surface:	110.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-12-28	Feet below surface:	101.91
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	2000-10-31	Feet below surface:	108.37
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-09-27	Feet below surface:	106.83
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-04-04	Feet below surface:	109.19
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-01-07	Feet below surface:	112.32
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-10-04	Feet below surface:	110.37
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-09-23	Feet below surface:	110.43
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-08-31	Feet below surface:	110.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-05-12	Feet below surface:	108.71
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-04-24	Feet below surface:	108.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-04-23	Feet below surface:	108.63
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-02-05	Feet below surface:	108.13
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-11-18	Feet below surface:	110.46
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-10-18	Feet below surface:	112.43
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-10-05	Feet below surface:	112.32
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-07-01	Feet below surface:	114.14
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-04-23	Feet below surface:	112.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-01-13	Feet below surface:	109.16
Feet to sea level:	Not Reported		
Note:	A nearby site that taps the same aquifer had been pumped recently.		
Level reading date:	1997-12-16	Feet below surface:	108.25
Feet to sea level:	Not Reported	Note:	Not Reported

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AV250
SSW
1/2 - 1 Mile
Higher | **FED USGS** | **USGS40000138287**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	004S013W28A005S	Type:	Well
Description:	Not Reported	HUC:	18070104
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19971111	Well Depth:	570
Well Depth Units:	ft	Well Hole Depth:	1038
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	28	Level reading date:	2002-09-25
Feet below surface:	97.34	Feet to sea level:	Not Reported
Note:	Not Reported		

Level reading date:	2002-06-26	Feet below surface:	98.73
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-05-13	Feet below surface:	104.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-03-29	Feet below surface:	102.17
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-12-26	Feet below surface:	96.24
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-09-27	Feet below surface:	110.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-07-02	Feet below surface:	109.52
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-03-29	Feet below surface:	110.63
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-12-28	Feet below surface:	102.24
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-10-31	Feet below surface:	108.73
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-09-27	Feet below surface:	107.26
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-04-04	Feet below surface:	109.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-01-07	Feet below surface:	112.63
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-10-04	Feet below surface:	100.73
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1999-09-23	Feet below surface:	110.74
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-08-31	Feet below surface:	110.42
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-05-12	Feet below surface:	109.03
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-04-24	Feet below surface:	108.76
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-04-23	Feet below surface:	108.99
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-02-05	Feet below surface:	108.47
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-11-18	Feet below surface:	110.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-10-18	Feet below surface:	112.71
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-10-05	Feet below surface:	112.59
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-07-01	Feet below surface:	114.45
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-04-23	Feet below surface:	113.11
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-01-13	Feet below surface:	109.43
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-12-16	Feet below surface:	96.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-12-03	Feet below surface:	110.08
Feet to sea level:	Not Reported	Note:	Not Reported

AV251
SSW
1/2 - 1 Mile
Higher

FED USGS **USGS40000138289**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	004S013W28A007S	Type:	Well
Description:	Not Reported	HUC:	18070104
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19971111	Well Depth:	140
Well Depth Units:	ft	Well Hole Depth:	1038
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	27	Level reading date:	2002-09-25

Feet below surface:	61.50	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	2002-06-26	Feet below surface:	63.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-05-13	Feet below surface:	63.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-12-26	Feet below surface:	62.92
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-09-27	Feet below surface:	65.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-07-02	Feet below surface:	65.06
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-03-29	Feet below surface:	64.51
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-12-28	Feet below surface:	64.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-10-31	Feet below surface:	64.09
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-09-27	Feet below surface:	63.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-04-04	Feet below surface:	65.13
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-01-07	Feet below surface:	66.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-10-04	Feet below surface:	66.04
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-09-23	Feet below surface:	69.59
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-08-31	Feet below surface:	66.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-05-12	Feet below surface:	65.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-04-24	Feet below surface:	66.57
Feet to sea level:	Not Reported		
Note:	A nearby site that taps the same aquifer was being pumped.		
Level reading date:	1999-04-23	Feet below surface:	66.52
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-02-05	Feet below surface:	66.96
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-11-18	Feet below surface:	68.11
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-10-18	Feet below surface:	67.27

Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-10-05	Feet below surface:	68.09
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-07-01	Feet below surface:	66.87
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-04-23	Feet below surface:	65.45
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-01-12	Feet below surface:	64.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-12-16	Feet below surface:	64.67
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-12-04	Feet below surface:	64.54
Feet to sea level:	Not Reported	Note:	Not Reported

AV252
SSW
1/2 - 1 Mile
Higher

FED USGS **USGS40000138288**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	004S013W28A006S	Type:	Well
Description:	Not Reported	HUC:	18070104
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19971111	Well Depth:	245
Well Depth Units:	ft	Well Hole Depth:	1038
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	28	Level reading date:	2002-09-25
Feet below surface:	64.86	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	2002-06-26	Feet below surface:	66.52
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-05-13	Feet below surface:	67.42
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-03-29	Feet below surface:	66.77
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-12-26	Feet below surface:	66.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-09-27	Feet below surface:	69.94
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-07-02	Feet below surface:	69.14
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-03-29	Feet below surface:	68.59

Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-12-28	Feet below surface:	67.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-10-31	Feet below surface:	68.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-09-27	Feet below surface:	67.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-04-04	Feet below surface:	68.97
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-01-07	Feet below surface:	70.88
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-10-04	Feet below surface:	70.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-09-23	Feet below surface:	69.65
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-08-31	Feet below surface:	70.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-05-12	Feet below surface:	69.96
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-04-24	Feet below surface:	70.51
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-04-23	Feet below surface:	70.46
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-02-05	Feet below surface:	70.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-11-18	Feet below surface:	72.13
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-10-18	Feet below surface:	71.43
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-10-05	Feet below surface:	72.31
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-07-01	Feet below surface:	71.39
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-04-23	Feet below surface:	69.91
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-01-12	Feet below surface:	68.96
Feet to sea level:	Not Reported		
Note:	A nearby site that taps the same aquifer was being pumped.		
Level reading date:	1997-12-16	Feet below surface:	68.84
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-12-03	Feet below surface:	69.12
Feet to sea level:	Not Reported	Note:	Not Reported

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AV253
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000143845**

Well ID:	WDR100000534-100073	Well Type:	MONITORING
Source:	EDF	Other Name:	100073
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100000534&assigned_name=100073&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100000534&assigned_name=100073		

AV254
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAUSGSN00013169**

Well ID:	USGS-334802118141801	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-334802118141801	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334802118141801&store_num=		
GeoTracker Data:	Not Reported		

AV255
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAUSGSN00005908**

Well ID:	USGS-334802118141803	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-334802118141803	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334802118141803&store_num=		
GeoTracker Data:	Not Reported		

AV256
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000128700**

Well ID:	WDR100000534-100071	Well Type:	MONITORING
Source:	EDF	Other Name:	100071
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100000534&assigned_name=100071&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100000534&assigned_name=100071		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AV257
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000021823**

Well ID:	WDR100000534-100072	Well Type:	MONITORING
Source:	EDF	Other Name:	100072
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100000534&assigned_name=100072&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100000534&assigned_name=100072		

AV258
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000033054**

Well ID:	WDR100000534-100070	Well Type:	MONITORING
Source:	EDF	Other Name:	100070
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100000534&assigned_name=100070&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100000534&assigned_name=100070		

AV259
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000066457**

Well ID:	WDR100000534-100074	Well Type:	MONITORING
Source:	EDF	Other Name:	100074
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100000534&assigned_name=100074&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100000534&assigned_name=100074		

AV260
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAUSGSN00002295**

Well ID:	USGS-334802118141804	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-334802118141804	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334802118141804&store_num=		
GeoTracker Data:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AV261
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAUSGSN00009551**

Well ID:	USGS-334802118141802	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-334802118141802	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334802118141802&store_num=		
GeoTracker Data:	Not Reported		

AV262
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAUSGSN00010233**

Well ID:	USGS-334802118141805	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-334802118141805	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334802118141805&store_num=		
GeoTracker Data:	Not Reported		

BA263
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000054360**

Well ID:	SL184891472-P-4S	Well Type:	MONITORING
Source:	EDF	Other Name:	P-4S
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=P-4S&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=P-4S		

AX264
NW
1/2 - 1 Mile
Higher

FED USGS **USGS40000138431**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	004S013W16R002S	Type:	Well
Description:	Not Reported	HUC:	18070104
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

BD265
North
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000122619**

Well ID:	WDR100000664-MW-16D	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-16D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100000664&assigned_name=MW-16D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100000664&assigned_name=MW-16D		

AY266
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000059675**

Well ID:	WDR100014643-W-16	Well Type:	MONITORING
Source:	EDF	Other Name:	W-16
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100014643&assigned_name=W-16&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100014643&assigned_name=W-16		

BD267
North
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000100092**

Well ID:	WDR100000664-MW-16C	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-16C
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100000664&assigned_name=MW-16C&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100000664&assigned_name=MW-16C		

AY268
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000131526**

Well ID:	WDR100014643-W-4	Well Type:	MONITORING
Source:	EDF	Other Name:	W-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100014643&assigned_name=W-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100014643&assigned_name=W-4		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

BB269
North
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000036339**

Well ID:	SL373472450-223-GSP-1M	Well Type:	MONITORING
Source:	EDF	Other Name:	223-GSP-1M
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL373472450&assigned_name=223-GSP-1M&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL373472450&assigned_name=223-GSP-1M		

BB270
North
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000088419**

Well ID:	SL373472450-223-GSP-1S	Well Type:	MONITORING
Source:	EDF	Other Name:	223-GSP-1S
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL373472450&assigned_name=223-GSP-1S&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL373472450&assigned_name=223-GSP-1S		

BB271
North
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000109222**

Well ID:	SL373472450-223-GSP-1D	Well Type:	MONITORING
Source:	EDF	Other Name:	223-GSP-1D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL373472450&assigned_name=223-GSP-1D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL373472450&assigned_name=223-GSP-1D		

AZ272
WSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000119720**

Well ID:	SL372402433-MW-38	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-38
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372402433&assigned_name=MW-38&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372402433&assigned_name=MW-38		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

BE273
SE
1/2 - 1 Mile
Lower

CA WELLS **CADWR0000016012**

Well ID:	04S13W23N005S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W23N005S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W23N005S&store_num=		
GeoTracker Data:	Not Reported		

BE274
SE
1/2 - 1 Mile
Lower

CA WELLS **CADWR0000024662**

Well ID:	04S13W23N004S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W23N004S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W23N004S&store_num=		
GeoTracker Data:	Not Reported		

BA275
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000073026**

Well ID:	SL184891472-MW-26B	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-26B
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=MW-26B&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=MW-26B		

BA276
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000127130**

Well ID:	SL184891472-MW-26A	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-26A
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=MW-26A&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=MW-26A		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

BA277
SE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000141214**

Well ID:	SL184891472-P-2S	Well Type:	MONITORING
Source:	EDF	Other Name:	P-2S
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=P-2S&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=P-2S		

BD278
North
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000076669**

Well ID:	SL373472450-223-GSP-2D	Well Type:	MONITORING
Source:	EDF	Other Name:	223-GSP-2D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL373472450&assigned_name=223-GSP-2D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL373472450&assigned_name=223-GSP-2D		

BD279
North
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000049958**

Well ID:	SL373472450-223-GSP-2M	Well Type:	MONITORING
Source:	EDF	Other Name:	223-GSP-2M
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL373472450&assigned_name=223-GSP-2M&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL373472450&assigned_name=223-GSP-2M		

BD280
North
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000041667**

Well ID:	SL373472450-223-GSP-2S	Well Type:	MONITORING
Source:	EDF	Other Name:	223-GSP-2S
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL373472450&assigned_name=223-GSP-2S&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL373472450&assigned_name=223-GSP-2S		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

BA281
SE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000036830**

Well ID:	SL184891472-MW-25B	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-25B
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=MW-25B&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=MW-25B		

BA282
SE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000120007**

Well ID:	SL184891472-MW-25A	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-25A
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=MW-25A&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=MW-25A		

BA283
SE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000060749**

Well ID:	SL184891472-MW-13	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-13
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=MW-13&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=MW-13		

BA284
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000020340**

Well ID:	SL184891472-P-7S	Well Type:	MONITORING
Source:	EDF	Other Name:	P-7S
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=P-7S&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=P-7S		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

285
SW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000095594**

Well ID:	SL372402433-MW-59	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-59
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372402433&assigned_name=MW-59&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372402433&assigned_name=MW-59		

AY286
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000048928**

Well ID:	WDR100000664-MW-1AR	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1AR
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100000664&assigned_name=MW-1AR&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100000664&assigned_name=MW-1AR		

BF287
SSW
1/2 - 1 Mile
Higher

CA WELLS **CADWR9000005596**

State Well #:	04S13W28A005S	Station ID:	5465
Well Name:	Not Reported	Basin Name:	West Coast
Well Use:	Unknown	Well Type:	Unknown
Well Depth:	0	Well Completion Rpt #:	Not Reported

BF288
SSW
1/2 - 1 Mile
Higher

CA WELLS **CADWR9000005595**

State Well #:	04S13W28A004S	Station ID:	5464
Well Name:	Not Reported	Basin Name:	West Coast
Well Use:	Unknown	Well Type:	Unknown
Well Depth:	0	Well Completion Rpt #:	Not Reported

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

BF289
SSW
1/2 - 1 Mile
Higher

CA WELLS **CADWR9000005597**

State Well #:	04S13W28A006S	Station ID:	5466
Well Name:	Not Reported	Basin Name:	West Coast
Well Use:	Unknown	Well Type:	Unknown
Well Depth:	0	Well Completion Rpt #:	Not Reported

BF290
SSW
1/2 - 1 Mile
Higher

CA WELLS **CADWR9000005594**

State Well #:	04S13W28A003S	Station ID:	5463
Well Name:	Not Reported	Basin Name:	West Coast
Well Use:	Unknown	Well Type:	Unknown
Well Depth:	0	Well Completion Rpt #:	Not Reported

BF291
SSW
1/2 - 1 Mile
Higher

CA WELLS **CADWR9000005598**

State Well #:	04S13W28A007S	Station ID:	5467
Well Name:	Not Reported	Basin Name:	West Coast
Well Use:	Unknown	Well Type:	Unknown
Well Depth:	0	Well Completion Rpt #:	Not Reported

292
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000125394**

Well ID:	SL372432436-H-26S	Well Type:	MONITORING
Source:	EDF	Other Name:	H-26S
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372432436&assigned_name=H-26S&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372432436&assigned_name=H-26S		

BA293
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000114278**

Well ID:	SL184891472-P-7D	Well Type:	MONITORING
Source:	EDF	Other Name:	P-7D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=P-7D&store_num=		

GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=P-7D

BA294
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000109635**

Well ID: SL184891472-MW-22
Well Type: MONITORING
Source: EDF
Other Name: MW-22
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=MW-22&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=MW-22

295
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000067866**

Well ID: SL372412434-ANP-550-D
Well Type: MONITORING
Source: EDF
Other Name: ANP-550-D
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=ANP-550-D&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=ANP-550-D

BG296
NW
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000022552**

Well ID: 04S13W16J003S
Well Type: UNK
Source: Department of Water Resources
Other Name: 04S13W16J003S
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W16J003S&store_num=
GeoTracker Data: Not Reported

BG297
NW
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000003041**

Well ID: 04S13W16J001S
Well Type: UNK
Source: Department of Water Resources
Other Name: 04S13W16J001S
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W16J001S&store_num=
GeoTracker Data: Not Reported

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

BG298
NW
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000015850**

Well ID:	04S13W16J002S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W16J002S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W16J002S&store_num=		
GeoTracker Data:	Not Reported		

BA299
SE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000129415**

Well ID:	SL184891472-MW-20	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-20
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=MW-20&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=MW-20		

BH300
ENE
1/2 - 1 Mile
Higher

FED USGS **USGS40000138409**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	004S013W23D004S	Type:	Well
Description:	Not Reported	HUC:	Not Reported
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	20000710	Well Depth:	1017
Well Depth Units:	ft	Well Hole Depth:	1404
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	14	Level reading date:	2002-09-29
Feet below surface:	85.42	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	2002-07-31	Feet below surface:	83.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-06-26	Feet below surface:	86.59
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-03-29	Feet below surface:	91.61
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	2001-12-26	Feet below surface:	72.56
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-11-14	Feet below surface:	74.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-09-25	Feet below surface:	75.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-06-26	Feet below surface:	74.11
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-03-26	Feet below surface:	100.06
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-03-07	Feet below surface:	72.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-01-23	Feet below surface:	73.21
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-12-28	Feet below surface:	74.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-09-27	Feet below surface:	74.13
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-08-31	Feet below surface:	74.44
Feet to sea level:	Not Reported	Note:	Not Reported

BH301
ENE
1/2 - 1 Mile
Higher

FED USGS **USGS40000138408**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	004S013W23D003S	Type:	Well
Description:	Not Reported	HUC:	Not Reported
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	20000710	Well Depth:	1390
Well Depth Units:	ft	Well Hole Depth:	1404
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	14	Level reading date:	2002-09-29
Feet below surface:	70.26	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	2002-07-31	Feet below surface:	71.33
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-06-26	Feet below surface:	71.86
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-03-29	Feet below surface:	69.40
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	2001-12-26	Feet below surface:	72.56
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-11-14	Feet below surface:	74.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-09-25	Feet below surface:	75.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-06-26	Feet below surface:	74.11
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-03-26	Feet below surface:	72.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-03-07	Feet below surface:	72.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-01-23	Feet below surface:	73.21
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-12-28	Feet below surface:	74.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-09-27	Feet below surface:	74.13
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-08-31	Feet below surface:	74.44
Feet to sea level:	Not Reported	Note:	Not Reported

BH302
ENE
1/2 - 1 Mile
Higher

FED USGS **USGS40000138410**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	004S013W23D005S	Type:	Well
Description:	Not Reported	HUC:	Not Reported
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	20000710	Well Depth:	690
Well Depth Units:	ft	Well Hole Depth:	1404
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	14	Level reading date:	2002-09-29
Feet below surface:	85.38	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	2002-07-31	Feet below surface:	83.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-06-26	Feet below surface:	86.56
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-03-29	Feet below surface:	91.57
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	2001-12-26	Feet below surface:	83.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-11-14	Feet below surface:	87.64
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-09-25	Feet below surface:	99.04
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-06-26	Feet below surface:	99.02
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-03-26	Feet below surface:	99.91
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-03-07	Feet below surface:	94.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-01-23	Feet below surface:	86.71
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-12-28	Feet below surface:	90.49
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-09-27	Feet below surface:	96.69
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-08-31	Feet below surface:	91.03
Feet to sea level:	Not Reported	Note:	Not Reported

BH303
ENE
1/2 - 1 Mile
Higher

FED USGS **USGS40000138412**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	004S013W23D007S	Type:	Well
Description:	Not Reported	HUC:	Not Reported
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	20000710	Well Depth:	430
Well Depth Units:	ft	Well Hole Depth:	1404
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	14	Level reading date:	2002-09-29
Feet below surface:	37.13	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	2002-07-31	Feet below surface:	37.36
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-06-26	Feet below surface:	38.03
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-03-29	Feet below surface:	37.53
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	2001-12-26	Feet below surface:	37.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-11-14	Feet below surface:	37.86
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-09-25	Feet below surface:	38.43
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-06-26	Feet below surface:	38.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-03-26	Feet below surface:	37.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-03-07	Feet below surface:	37.43
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-01-23	Feet below surface:	37.49
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-12-28	Feet below surface:	37.79
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-09-27	Feet below surface:	37.39
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-08-31	Feet below surface:	37.20
Feet to sea level:	Not Reported	Note:	Not Reported

BH304
ENE
1/2 - 1 Mile
Higher

FED USGS **USGS40000138411**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	004S013W23D006S	Type:	Well
Description:	Not Reported	HUC:	Not Reported
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	20000710	Well Depth:	550
Well Depth Units:	ft	Well Hole Depth:	1404
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	14	Level reading date:	2002-09-29
Feet below surface:	85.54	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	2002-07-31	Feet below surface:	83.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-06-26	Feet below surface:	86.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-03-29	Feet below surface:	91.55
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	2001-12-26	Feet below surface:	83.11
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-11-14	Feet below surface:	87.53
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-09-25	Feet below surface:	99.02
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-06-26	Feet below surface:	99.02
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-03-26	Feet below surface:	93.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-03-07	Feet below surface:	93.87
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-01-23	Feet below surface:	86.62
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-12-28	Feet below surface:	90.41
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-09-27	Feet below surface:	96.39
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-08-31	Feet below surface:	90.93
Feet to sea level:	Not Reported	Note:	Not Reported

AY305
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000080138**

Well ID:	WDR100000664-MW-15D	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-15D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100000664&assigned_name=MW-15D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100000664&assigned_name=MW-15D		

BI306
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000121901**

Well ID:	WDR100014643-W-13	Well Type:	MONITORING
Source:	EDF	Other Name:	W-13
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100014643&assigned_name=W-13&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100014643&assigned_name=W-13		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

BH307
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAUSGSN00002267**

Well ID:	USGS-334904118130304	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-334904118130304	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334904118130304&store_num=		
GeoTracker Data:	Not Reported		

BH308
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAUSGSN00001750**

Well ID:	USGS-334904118130303	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-334904118130303	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334904118130303&store_num=		
GeoTracker Data:	Not Reported		

BH309
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAUSGSN00002330**

Well ID:	USGS-334904118130301	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-334904118130301	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334904118130301&store_num=		
GeoTracker Data:	Not Reported		

BH310
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAUSGSN00018132**

Well ID:	USGS-334904118130305	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-334904118130305	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334904118130305&store_num=		
GeoTracker Data:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

BH311
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAUSGSN00005128**

Well ID:	USGS-334904118130302	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-334904118130302	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334904118130302&store_num=		
GeoTracker Data:	Not Reported		

BA312
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000128168**

Well ID:	SL184891472-MW-21	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-21
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=MW-21&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=MW-21		

BJ313
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000141866**

Well ID:	SL184891472-P-5S	Well Type:	MONITORING
Source:	EDF	Other Name:	P-5S
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=P-5S&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=P-5S		

BK314
WSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000092885**

Well ID:	SL372402433-WD-11U	Well Type:	MONITORING
Source:	EDF	Other Name:	WD-11U
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372402433&assigned_name=WD-11U&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372402433&assigned_name=WD-11U		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

BA315
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000021982**

Well ID:	SL184891472-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=MW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=MW-6		

BA316
SSE
1/2 - 1 Mile
Lower

CA WELLS **CADWR0000031740**

Well ID:	04S13W27A002S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W27A002S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W27A002S&store_num=		
GeoTracker Data:	Not Reported		

BK317
WSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000096529**

Well ID:	SL372402433-WD-11L	Well Type:	MONITORING
Source:	EDF	Other Name:	WD-11L
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372402433&assigned_name=WD-11L&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372402433&assigned_name=WD-11L		

BK318
WSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000095628**

Well ID:	SL372402433-WD-11M	Well Type:	MONITORING
Source:	EDF	Other Name:	WD-11M
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372402433&assigned_name=WD-11M&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372402433&assigned_name=WD-11M		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AY319
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000043110**

Well ID:	WDR100014643-W-9S	Well Type:	MONITORING
Source:	EDF	Other Name:	W-9S
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100014643&assigned_name=W-9S&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100014643&assigned_name=W-9S		

AY320
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000113248**

Well ID:	WDR100000664-W-9S	Well Type:	MONITORING
Source:	EDF	Other Name:	W-9S
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100000664&assigned_name=W-9S&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100000664&assigned_name=W-9S		

BC321
WNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000109348**

Well ID:	SL372412434-ANP-512-D	Well Type:	MONITORING
Source:	EDF	Other Name:	ANP-512-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=ANP-512-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=ANP-512-D		

BA322
SE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000140346**

Well ID:	SL184891472-MW-19	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-19
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=MW-19&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=MW-19		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

BA323
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000134680**

Well ID:	SL184891472-P-6D	Well Type:	MONITORING
Source:	EDF	Other Name:	P-6D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=P-6D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=P-6D		

BA324
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000117537**

Well ID:	SL184891472-P-6S	Well Type:	MONITORING
Source:	EDF	Other Name:	P-6S
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=P-6S&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=P-6S		

BA325
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000105301**

Well ID:	SL184891472-MW-15	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-15
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=MW-15&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=MW-15		

BL326
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000041312**

Well ID:	SL373472450-223-GSP-3D	Well Type:	MONITORING
Source:	EDF	Other Name:	223-GSP-3D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL373472450&assigned_name=223-GSP-3D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL373472450&assigned_name=223-GSP-3D		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

BL327
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000014414**

Well ID:	SL373472450-223-GSP-3S	Well Type:	MONITORING
Source:	EDF	Other Name:	223-GSP-3S
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL373472450&assigned_name=223-GSP-3S&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL373472450&assigned_name=223-GSP-3S		

BA328
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000110085**

Well ID:	SL184891472-P-1D	Well Type:	MONITORING
Source:	EDF	Other Name:	P-1D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=P-1D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=P-1D		

BA329
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000065217**

Well ID:	SL184891472-P-1S	Well Type:	MONITORING
Source:	EDF	Other Name:	P-1S
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=P-1S&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=P-1S		

BA330
SE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000072713**

Well ID:	SL184891472-P-8S	Well Type:	MONITORING
Source:	EDF	Other Name:	P-8S
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=P-8S&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=P-8S		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

BL331
NNW
1/2 - 1 Mile
Higher

FED USGS **USGS40000138459**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	004S013W15E003S	Type:	Well
Description:	Not Reported	HUC:	18070105
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	950
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

BA332
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000042485**

Well ID:	SL184891472-MW-23B	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-23B
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=MW-23B&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=MW-23B		

BA333
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000007175**

Well ID:	SL184891472-P-10S	Well Type:	MONITORING
Source:	EDF	Other Name:	P-10S
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=P-10S&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=P-10S		

BA334
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000046833**

Well ID:	SL184891472-MW-23A	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-23A
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=MW-23A&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=MW-23A		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

BA335
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000140117**

Well ID:	SL184891472-P-9S	Well Type:	MONITORING
Source:	EDF	Other Name:	P-9S
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=P-9S&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=P-9S		

BA336
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000005801**

Well ID:	SL184891472-MW-7	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=MW-7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=MW-7		

BA337
SE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000043945**

Well ID:	SL184891472-MW-18	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-18
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=MW-18&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=MW-18		

BI338
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000134167**

Well ID:	WDR100014643-W-1S	Well Type:	MONITORING
Source:	EDF	Other Name:	W-1S
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100014643&assigned_name=W-1S&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100014643&assigned_name=W-1S		

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
BJ339 **SSE** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAEDF0000063232**

Well ID:	SL184891472-MW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=MW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=MW-5		

	Database	EDR ID Number
BJ340 **SSE** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAEDF0000076671**

Well ID:	SL184891472-P-11S	Well Type:	MONITORING
Source:	EDF	Other Name:	P-11S
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=P-11S&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=P-11S		

	Database	EDR ID Number
BM341 **NW** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000102331**

Well ID:	SL372412434-ANP-171-6	Well Type:	MONITORING
Source:	EDF	Other Name:	ANP-171-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=ANP-171-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=ANP-171-6		

	Database	EDR ID Number
BJ342 **SSE** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAEDF0000077568**

Well ID:	SL184891472-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=MW-4		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

BI343
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000126327**

Well ID:	WDR100014643-AW-34R	Well Type:	MONITORING
Source:	EDF	Other Name:	AW-34R
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100014643&assigned_name=AW-34R&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100014643&assigned_name=AW-34R		

BI344
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000112084**

Well ID:	SL372412434-ANE-034-R	Well Type:	MONITORING
Source:	EDF	Other Name:	ANE-034-R
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=ANE-034-R&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=ANE-034-R		

BN345
SW
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000005348**

Well ID:	04S13W21Q001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W21Q001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W21Q001S&store_num=		
GeoTracker Data:	Not Reported		

BJ346
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000047655**

Well ID:	SL184891472-MW-8	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-8
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=MW-8&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=MW-8		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

BJ347
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000015867**

Well ID:	SL184891472-MW-17	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-17
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=MW-17&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=MW-17		

348
WNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000062237**

Well ID:	SL372412434-AMR-298-G	Well Type:	MONITORING
Source:	EDF	Other Name:	AMR-298-G
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=AMR-298-G&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=AMR-298-G		

BK349
WSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000124455**

Well ID:	SL372412434-AMR-010-D	Well Type:	MONITORING
Source:	EDF	Other Name:	AMR-010-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=AMR-010-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=AMR-010-D		

BJ350
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000074729**

Well ID:	SL184891472-MW-9	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-9
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=MW-9&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=MW-9		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

BO351
West
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000041007**

Well ID:	SL372412434-AMR-297-G	Well Type:	MONITORING
Source:	EDF	Other Name:	AMR-297-G
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=AMR-297-G&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=AMR-297-G		

BJ352
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000014486**

Well ID:	SL184891472-P-12S	Well Type:	MONITORING
Source:	EDF	Other Name:	P-12S
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=P-12S&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=P-12S		

BP353
SE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000097092**

Well ID:	SL184891472-P-13D	Well Type:	MONITORING
Source:	EDF	Other Name:	P-13D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=P-13D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=P-13D		

BP354
SE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000014007**

Well ID:	SL184891472-P-13S	Well Type:	MONITORING
Source:	EDF	Other Name:	P-13S
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=P-13S&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=P-13S		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

BJ355
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000060662**

Well ID:	SL184891472-MW-16	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-16
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=MW-16&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=MW-16		

BJ356
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000022076**

Well ID:	SL184891472-MW-10	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-10
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=MW-10&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=MW-10		

BJ357
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000035282**

Well ID:	SL184891472-MW-24A	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-24A
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=MW-24A&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=MW-24A		

BJ358
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000090352**

Well ID:	SL184891472-MW-24B	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-24B
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=MW-24B&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=MW-24B		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

BL359
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000128012**

Well ID:	T0603704485-GW2	Well Type:	MONITORING
Source:	EDF	Other Name:	GW2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603704485&assigned_name=GW2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603704485&assigned_name=GW2		

BL360
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000138562**

Well ID:	WDR100000664-MW-25C	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-25C
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100000664&assigned_name=MW-25C&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100000664&assigned_name=MW-25C		

BL361
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000132489**

Well ID:	WDR100000664-MW-25B	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-25B
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100000664&assigned_name=MW-25B&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100000664&assigned_name=MW-25B		

BM362
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000077951**

Well ID:	SL372412434-ANP-511-D	Well Type:	MONITORING
Source:	EDF	Other Name:	ANP-511-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=ANP-511-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=ANP-511-D		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

BI363
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000072650**

Well ID:	WDR100000664-MW-24C	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-24C
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100000664&assigned_name=MW-24C&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100000664&assigned_name=MW-24C		

BI364
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000134210**

Well ID:	WDR100014643-W-10	Well Type:	MONITORING
Source:	EDF	Other Name:	W-10
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100014643&assigned_name=W-10&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100014643&assigned_name=W-10		

BI365
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000109743**

Well ID:	WDR100000664-MW-24B	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-24B
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100000664&assigned_name=MW-24B&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100000664&assigned_name=MW-24B		

BL366
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000098733**

Well ID:	T0603704485-GW3	Well Type:	MONITORING
Source:	EDF	Other Name:	GW3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603704485&assigned_name=GW3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603704485&assigned_name=GW3		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

BJ367
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000087870**

Well ID:	SL184891472-MW-11	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-11
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=MW-11&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=MW-11		

BP368
SE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000073837**

Well ID:	SL184891472-P-14S	Well Type:	MONITORING
Source:	EDF	Other Name:	P-14S
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=P-14S&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=P-14S		

BM369
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000033701**

Well ID:	SL372412434-ANP-167-6	Well Type:	MONITORING
Source:	EDF	Other Name:	ANP-167-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=ANP-167-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=ANP-167-6		

BQ370
WSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000116000**

Well ID:	SL372402433-WD-12U	Well Type:	MONITORING
Source:	EDF	Other Name:	WD-12U
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372402433&assigned_name=WD-12U&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372402433&assigned_name=WD-12U		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

BP371
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000018725**

Well ID:	SL184891472-P-14D	Well Type:	MONITORING
Source:	EDF	Other Name:	P-14D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=P-14D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=P-14D		

BR372
ESE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000090983**

Well ID:	T0603799305-MW-14	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-14
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603799305&assigned_name=MW-14&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603799305&assigned_name=MW-14		

BS373
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000067532**

Well ID:	SL372432436-ES-6U	Well Type:	MONITORING
Source:	EDF	Other Name:	ES-6U
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372432436&assigned_name=ES-6U&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372432436&assigned_name=ES-6U		

BS374
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000103430**

Well ID:	SL372432436-ES-6L	Well Type:	MONITORING
Source:	EDF	Other Name:	ES-6L
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372432436&assigned_name=ES-6L&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372432436&assigned_name=ES-6L		

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
BI375 **NNW** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000093776**

Well ID:	T0603705133-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603705133&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603705133&assigned_name=MW-1		

BI376 **NNW** **1/2 - 1 Mile** **Higher**	Site ID:	R-12498	**AQUIFLOW**	**69682**
	Groundwater Flow:	NE		
	Shallow Water Depth:	Not Reported		
	Deep Water Depth:	Not Reported		
	Average Water Depth:	28.6		
	Date:	08/1996		

	Database	EDR ID Number
BL377 **NNW** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000101585**

Well ID:	T0603704485-GW1	Well Type:	MONITORING
Source:	EDF	Other Name:	GW1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603704485&assigned_name=GW1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603704485&assigned_name=GW1		

	Database	EDR ID Number
BG378 **NW** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000061773**

Well ID:	SL372412434-ANP-568-D	Well Type:	MONITORING
Source:	EDF	Other Name:	ANP-568-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=ANP-568-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=ANP-568-D		

	Database	EDR ID Number
379 **SW** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000119017**

Well ID:	SL372402433-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3

GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372402433&assigned_name=MW-3&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372402433&assigned_name=MW-3

BQ380
WSW **CA WELLS** **CAEDF0000046856**
1/2 - 1 Mile
Higher

Well ID: SL372402433-WD-12L Well Type: MONITORING
Source: EDF Other Name: WD-12L
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372402433&assigned_name=WD-12L&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372402433&assigned_name=WD-12L

BQ381
WSW **CA WELLS** **CAEDF0000114985**
1/2 - 1 Mile
Higher

Well ID: SL372402433-WD-12M Well Type: MONITORING
Source: EDF Other Name: WD-12M
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372402433&assigned_name=WD-12M&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372402433&assigned_name=WD-12M

BP382
SSE **CA WELLS** **CAEDF0000086059**
1/2 - 1 Mile
Lower

Well ID: SL184891472-P-15S Well Type: MONITORING
Source: EDF Other Name: P-15S
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=P-15S&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=P-15S

383
NNW **CA WELLS** **CAEDF0000067032**
1/2 - 1 Mile
Higher

Well ID: T0603705133-MW-4 Well Type: MONITORING
Source: EDF Other Name: MW-4
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603705133&assigned_name=MW-4&store_num=

GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603705133&assigned_name=MW-4

BI384
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000009646**

Well ID:	T0603705133-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603705133&assigned_name=MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603705133&assigned_name=MW-3		

BR385
ESE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000007820**

Well ID:	T0603799305-MW-13	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-13
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603799305&assigned_name=MW-13&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603799305&assigned_name=MW-13		

BT386
WNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000127398**

Well ID:	SL372412434-ANP-703-L	Well Type:	MONITORING
Source:	EDF	Other Name:	ANP-703-L
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=ANP-703-L&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=ANP-703-L		

BK387
WSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000053576**

Well ID:	SL372412434-ASW-201-D	Well Type:	MONITORING
Source:	EDF	Other Name:	ASW-201-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=ASW-201-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=ASW-201-D		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

BP388
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000126801**

Well ID:	SL184891472-P-15D	Well Type:	MONITORING
Source:	EDF	Other Name:	P-15D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=P-15D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=P-15D		

BN389
SW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000074536**

Well ID:	SL372402433-MW-37	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-37
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372402433&assigned_name=MW-37&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372402433&assigned_name=MW-37		

390
WSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000011749**

Well ID:	SL372402433-MW-42	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-42
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372402433&assigned_name=MW-42&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372402433&assigned_name=MW-42		

BJ391
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000088220**

Well ID:	SL184891472-MW-12	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-12
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=MW-12&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=MW-12		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

BO392
West
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000090811**

Well ID:	SL372412434-AMR-234-D	Well Type:	MONITORING
Source:	EDF	Other Name:	AMR-234-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=AMR-234-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=AMR-234-D		

BU393
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000088316**

Well ID:	SL372412434-ANP-037-D	Well Type:	MONITORING
Source:	EDF	Other Name:	ANP-037-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=ANP-037-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=ANP-037-D		

BU394
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000126415**

Well ID:	SL372412434-ANP-551-D	Well Type:	MONITORING
Source:	EDF	Other Name:	ANP-551-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=ANP-551-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=ANP-551-D		

BT395
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000045028**

Well ID:	SL372412434-ANP-055-D	Well Type:	MONITORING
Source:	EDF	Other Name:	ANP-055-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=ANP-055-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=ANP-055-D		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
BR396 **ESE** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000033987**

Well ID:	T0603799305-MW-8	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-8
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603799305&assigned_name=MW-8&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603799305&assigned_name=MW-8		

	Database	EDR ID Number
BM397 **NW** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000127140**

Well ID:	SL372412434-ANP-WS-13	Well Type:	MONITORING
Source:	EDF	Other Name:	ANP-WS-13
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=ANP-WS-13&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=ANP-WS-13		

	Database	EDR ID Number
BR398 **ESE** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000083202**

Well ID:	T0603799305-MW-9	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-9
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603799305&assigned_name=MW-9&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603799305&assigned_name=MW-9		

			Database	EDR ID Number
1G **NNW** **1/2 - 1 Mile** **Lower**	Site ID:	R-12498	**AQUIFLOW**	**69682**
	Groundwater Flow:	NE		
	Shallow Water Depth:	Not Reported		
	Deep Water Depth:	Not Reported		
	Average Water Depth:	28.6		
	Date:	08/1996		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

1
SE
1/2 - 1 Mile

OIL_GAS **CAOG14000005066**

API #:	0403701278	Well #:	3
Well Status:	Plugged	Well Type:	Dry Hole
Lease Name:	Cy	Field Name:	Any Field
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
90810	11	0

Federal EPA Radon Zone for LOS ANGELES County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for LOS ANGELES COUNTY, CA

Number of sites tested: 63

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.711 pCi/L	98%	2%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	0.933 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

OTHER STATE DATABASE INFORMATION

Groundwater Ambient Monitoring & Assessment Program
State Water Resources Control Board
Telephone: 916-341-5577
The GAMA Program is Californias comprehensive groundwater quality monitoring program. GAMA collects data by testing the untreated, raw water in different types of wells for naturally-occurring and man-made chemicals. The GAMA data includes Domestic, Monitoring and Municipal well types from the following sources, Department of Water Resources, Department of Heath Services, EDF, Agricultural Lands, Lawrence Livermore National Laboratory, Department of Pesticide Regulation, United States Geological Survey, Groundwater Ambient Monitoring and Assessment Program and Local Groundwater Projects.

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

California Oil and Gas Well Locations
Source: Dept of Conservation, Geologic Energy Management Division
Telephone: 916-323-1779
Oil and Gas well locations in the state.

California Earthquake Fault Lines
Source: California Division of Mines and Geology
The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon
Source: Department of Public Health
Telephone: 916-210-8558
Radon Database for California

PHYSICAL SETTING SOURCE RECORDS SEARCHED

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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Appendix C

Regulatory Agency Records

Montrose & Del Amo Superfund Sites Site Update Fact Sheet

U.S. Environmental Protection Agency • Region 9 • San Francisco, CA • Fall 2019

In This Issue

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Soil Cleanup Work at the Del Amo Site 4

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Montrose and Del Amo Superfund Site History

The Montrose Chemical Corporation Superfund site ("Montrose site") includes the location of a former dichloro-diphenyltrichloroethane (DDT) manufacturing plant. The plant made the chemical from 1947 to 1982. In 1989, EPA included the Montrose site as part of its Superfund cleanup program. DDT manufacturing work had severely contaminated (polluted) the soil and groundwater beneath and nearby the former plant property.

The Del Amo Superfund site ("Del Amo site") is made up of three former manufacturing plants built to support World War II efforts. The former Del Amo facility is east of the former Montrose plant property. In 2002, EPA included the Del Amo site as part of its Superfund cleanup program. The Del Amo site, like the Montrose site, also had contaminated soil and groundwater beneath and nearby the former facility. Groundwater contamination from both sites has mixed. As such, EPA is managing the cleanup of the groundwater contamination at both sites as one project.

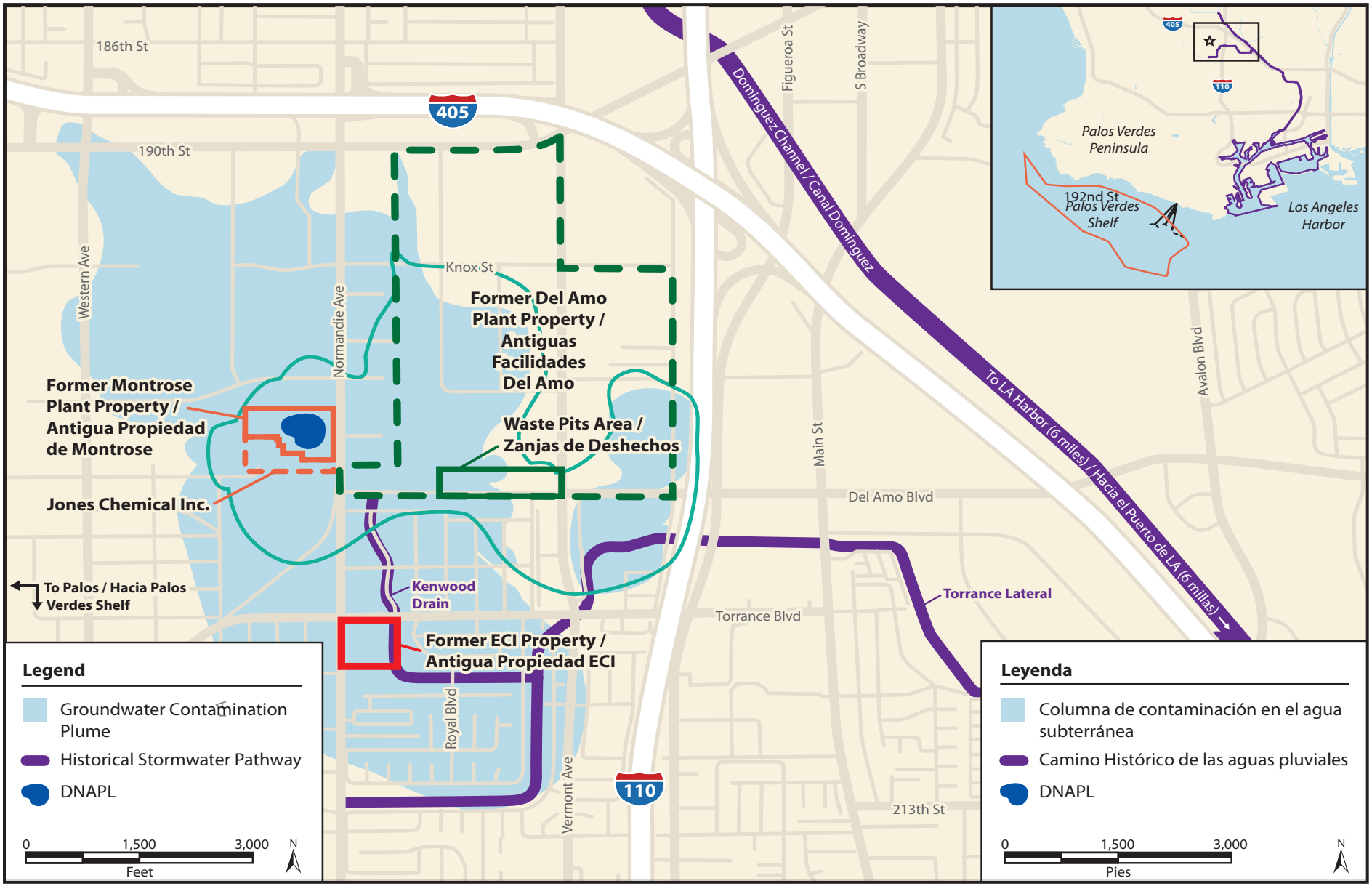
What is a Superfund Site?

In 1980, Congress passed the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), commonly called the "Superfund law." This law was passed in response to public concern about health and environmental risks from hazardous waste sites. This law allows EPA to clean up certain hazardous waste sites and requires companies responsible for the contamination to pay for or do the cleanup. Other types of pollution are handled by other environmental laws.

This fact sheet gives the latest information on EPA's work to clean up both Superfund sites and opportunities for you to learn more about the cleanup and engage with EPA.

Site Map: Montrose and Del Amo Superfund Sites

Harbor Gateway, Los Angeles County, CA / Harbor Gateway, condado de Los Angeles, CA



Commercial Building Indoor Air Investigation at the Del Amo Site

Background

Vapor intrusion is the process where certain chemicals underground volatilize (evaporate) and move into the indoor air of overlying buildings. The chemicals can enter a building by moving through cracks and/or other openings in the building's foundation. (See Figure 1 for more information on vapor intrusion.) As a follow-up to the Del Amo site's 2015 Five-Year Review—a report done every five years to ensure EPA's cleanup plan continues to protect public health—EPA evaluated historic soil vapor data to see if vapor intrusion should be investigated. EPA found vapor intrusion investigations were needed at nine commercial buildings.

In September 2017 and March 2018, Shell Oil Company (Shell), under EPA oversight, sampled soil-gas, indoor and/or outdoor air at two buildings on the Del Amo site—the Coca-Cola building and the LSC Communications (formerly, RR Donnelly) building. (Sampling is done over multiple seasons to ensure results are accurate under all indoor conditions.)

The sampling showed there were no health risks from vapor intrusion at the Coca-Cola or LSC buildings.

The other responsible companies for cleaning up contamination at Del Amo site developed a sampling plan for nine additional buildings. Following EPA's approval, the companies sampled air beneath the buildings in October 2019. EPA is currently evaluating the results and a second sampling event is being scheduled.

Sampling will be scheduled for the additional buildings.

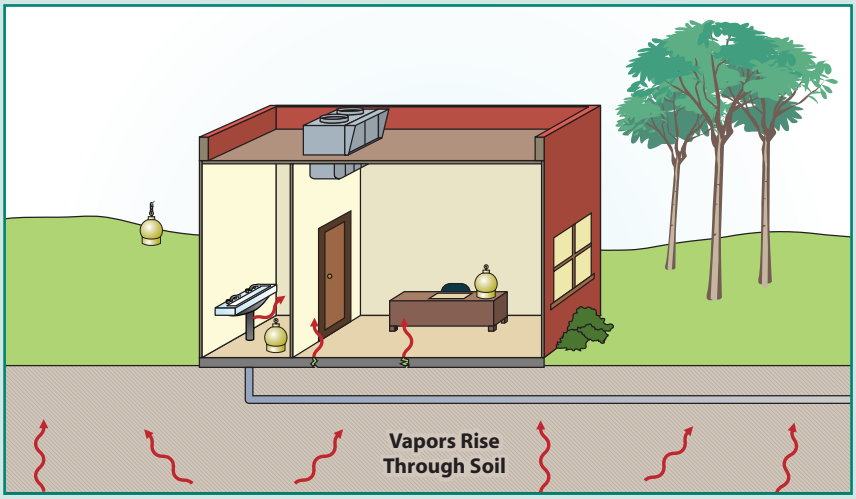


Figure 1: This figure shows how certain chemicals can volatilize (evaporate) and move into indoor air of overlying buildings through cracks and other openings in the building's foundation. The arrows show how these chemicals move into buildings above ground.



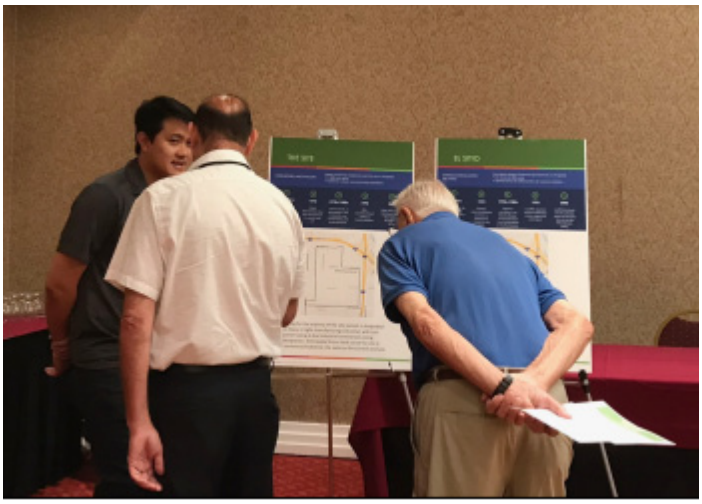
Figure 2: The location of the Coca-Cola and LSC Communications buildings.

Soil Cleanup Work at the Del Amo Site

In late 2018, Shell completed a soil cleanup pilot study at the Coca-Cola property, under EPA oversight. The goal of the pilot study was to see if a soil vapor extraction (SVE) system would effectively clean up the soil. This pilot study was important because its results would help EPA create a final cleanup plan for this portion of the site.

SVE works by heating up the chemicals underground. This heating causes the chemicals to volatilize (evaporate). The SVE system then captures all chemical vapors and treats them. Results from the pilot study showed an SVE system would effectively remove contaminants while protecting property workers and nearby residents.

EPA hosted the SVE pilot study community open house in September 2019.



EPA Remedial Project Manager, Tu Nguyen, speaking with community members at the September 2019 SVE meeting.

Five-Year Review

EPA is doing a Five-Year Review for cleanup work at the Montrose and Del Amo sites, respectively. According to the Superfund law, EPA is required to review its cleanup plan, or "remedy," every five years if either the cleanup takes more than five years to complete or if hazardous waste remains on site.

The last Five-Year Review for the Del Amo site, done in 2015, found there was insufficient information to say the soil and NAPL cleanup plans (or "remedies") were protective of human health and the environment. EPA could not say they were protective due to the potential for vapor intrusion at the Del Amo site. As described above, EPA has since done studies on vapor intrusion, which showed there are no health risks from vapor intrusion at the Coca-Cola or LSC buildings, and it has plans to study the remaining buildings. The last Five-Year Review also found the remedy at the "Waste Pits" portion of the Del Amo site was protective of human health and the environment.

The first Five-Year Review for the Montrose and Del Amo groundwater remedy, also done in 2015, found the remedy protected human health and the environment in the short-term. However, to ensure the remedy is protective for the long-term, the Five-Year Review identified numerous issues for EPA to evaluate.

What Is Included in a Five-Year Review?

Five-Year Reviews include:

- an inspection of the site and cleanup technologies;
- review of monitoring data, operating data, and maintenance records; and
- a check for any new relevant regulatory requirements (such as new state or local laws) that have been established since EPA made its original cleanup decision.

EPA Wants to Hear from You!

EPA is doing interviews with community members as part of the Five-Year Review. We want to hear your thoughts on the site cleanup and better understand your concerns and needs. All responses are confidential to EPA, and if you would like to be interviewed, please contact Yarissa Martinez, Remedial Project Manager, to share your thoughts on the groundwater remedy, or Tu Nguyen, Remedial Project Manager, to share your thoughts on the Del Amo remedy. (*Contact information at the end of this fact sheet.*)

A report on Five-Year Review will be completed no later than September 30, 2021. EPA will post a copy of the report on the sites' webpages.

Using Electrical Resistance Heating (ERH) to Clean Up Dense Non-Aqueous Phase Liquid (DNAPL) at the Montrose Site



Electric Resistance Heating pilot study system on the Former Montrose property.

The DNAPL Electrical Resistance Heating (ERH) pilot study—done by Montrose under EPA oversight—ran from January to April 2019. EPA reviewed and provided comments on the final report on the results of this study. Once final, the report will be posted to the sites' webpages in the next few months.

As mentioned, EPA will be working on a final cleanup plan (called a "Record of Decision" [ROD]) for the DNAPL, which is expected to be complete in Fall 2020.

Cleaning Up Groundwater at the Montrose and Del Amo Sites

Site-Wide Groundwater Sampling Event

On September 4, 2019, the sixth-annual dual-site groundwater sampling event was held at more than 500 wells in the area. On this day, the companies responsible for cleaning up groundwater contaminated by the Montrose and Del Amo Superfund sites measured groundwater levels and analyzed groundwater. Results from this sampling event are being analyzed. Once the analysis is complete, results will be included in a report that will be posted on the sites' webpages.

How does the ERH technology work?

The technology uses electricity through long metallic rods, called "electrodes," installed underground throughout the property. The rods heat the underground soil and vaporize the contaminants. The system collects the vapor through an underground network of vacuum wells and moves it to an above-ground treatment system. Air sampling instruments monitored air quality during the pilot study near the former Montrose property to ensure the system was working properly. No air quality issues were found during the pilot study.

What is Non-Aqueous Phase Liquid (NAPL) and Dense Non-Aqueous Phase Liquid (DNAPL)?

A mixture of concentrated chemicals that does not easily dissolve in water is called NAPL by scientists. In general, NAPL and water do not mix (i.e., like oil and water), making it difficult to remove NAPL. Sometimes, NAPL is made of chemicals heavier than water (and, therefore, would sink in water). This variety of NAPL is referred to as Dense Non-Aqueous Phase Liquid (DNAPL).

Ground Water Fact Sheet Update

The latest groundwater cleanup factsheet is posted on the homepage for both websites This factsheet includes a complete description of the treatment system, information on how we will continue treating groundwater.

Soil Gas Investigation at the JCI Jones Portion of the Montrose Site

Under EPA oversight, Jones Chemical Company (Jones) developed a soil-gas monitoring plan to: (1) understand how VOCs are behaving underground; and (2) to see where the chemicals are traveling and at what concentrations. Work under the plan started in December 2018 and should be completed by Summer 2020, with a final report by Fall 2020. Preliminary data shows concentrations are not above EPA's screening levels and is moving to the west.



Onsite crew doing soil gas sampling.

Get Involved!

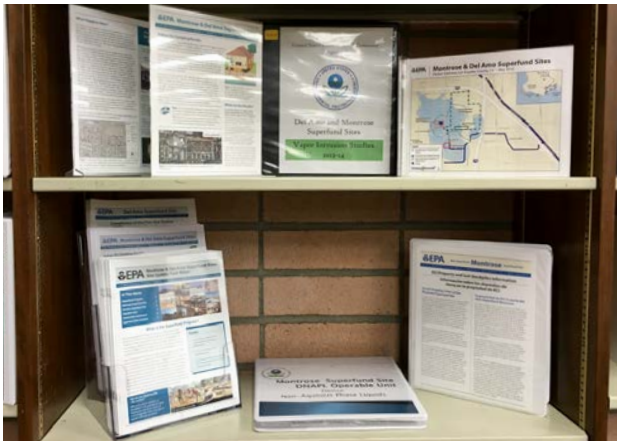
EPA commits to sending email updates on cleanup work every quarter to interested stakeholders. You can sign-up for the Del Amo & Montrose Superfund sites email distribution by clicking on the link in the *bottom-right corner of both websites.*



Community Involvement Plan



EPA representative speaks with community members at a public meeting.



Informational material on Sites at the Carson Public Library in Carson.

EPA is close to finishing its revision of the Montrose and Del Amo Community Involvement Plan (CIP). Because the Montrose and Del Amo Superfund sites impact the same community, EPA is preparing one CIP for community involvement and outreach. The CIP is a strategy unique to the sites and is intended to allow for meaningful community involvement throughout the Superfund cleanup process.

EPA plans to issue the final CIP online and in the local information repositories in early 2020.

How Do I Get More Information?

EPA Contact

Romie Duarte (hispanohablante)
Community Involvement Coordinator
(213) 244 – 1801 | *duarte.romie@epa.gov*

Yarissa Martinez (hispanohablante)
Remedial Project Manager
(213) 244 – 1806 | *martinez.yarissa@epa.gov*

Information Repositories

An information repository is placed near a Superfund site and contains documents, reports, and letters about site cleanup activities.

Carson Public Library
151 East Carson Street
Carson, CA 90745
(310) 830 – 0901

Katy Geissert Civic Center Library
3301 Torrance Boulevard
Torrance, CA 90503
(310) 618 – 5959

Websites

Del Amo: **http://www.epa.gov/superfund/delamo**
Montrose: **http://www.epa.gov/superfund/montrose**

United States Environmental Protection Agency, Region 9
75 Hawthorne Street (OPA-2)
San Francisco, CA 94105
Attn: Romie Duarte (Montrose/Del Amo 12/19)

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Sitios Superfund Montrose & Del Amo Superfund Sites

Join Us!
¡Acompáñenos!

Community "Open House" Event
Reunion Informativa para la Comunidad

Thursday, December 5, 2019
jueves 5 de diciembre, 2019
4:30 p.m. – 7:30 p.m.

Holiday Inn Los Angeles Gateway-Torrance
19800 S Vermont Ave,
Torrance, CA 90502



Mobile Information Center
Centro de Información Móvil

EPA will be hosting a mobile information center (MIC) December 6 – 7, 2019. At the MIC, the public is invited to speak with EPA staff and see documents covering recent work and the history of cleaning up the Del Amo and Montrose sites. / *EPA tendrá un repositorio de información móvil el 6 y 7 de diciembre. En la EPA, se invita al público a hablar con el personal de la EPA y ver los documentos que cubren la historia de los sitios de Del Amo y Montrose.*

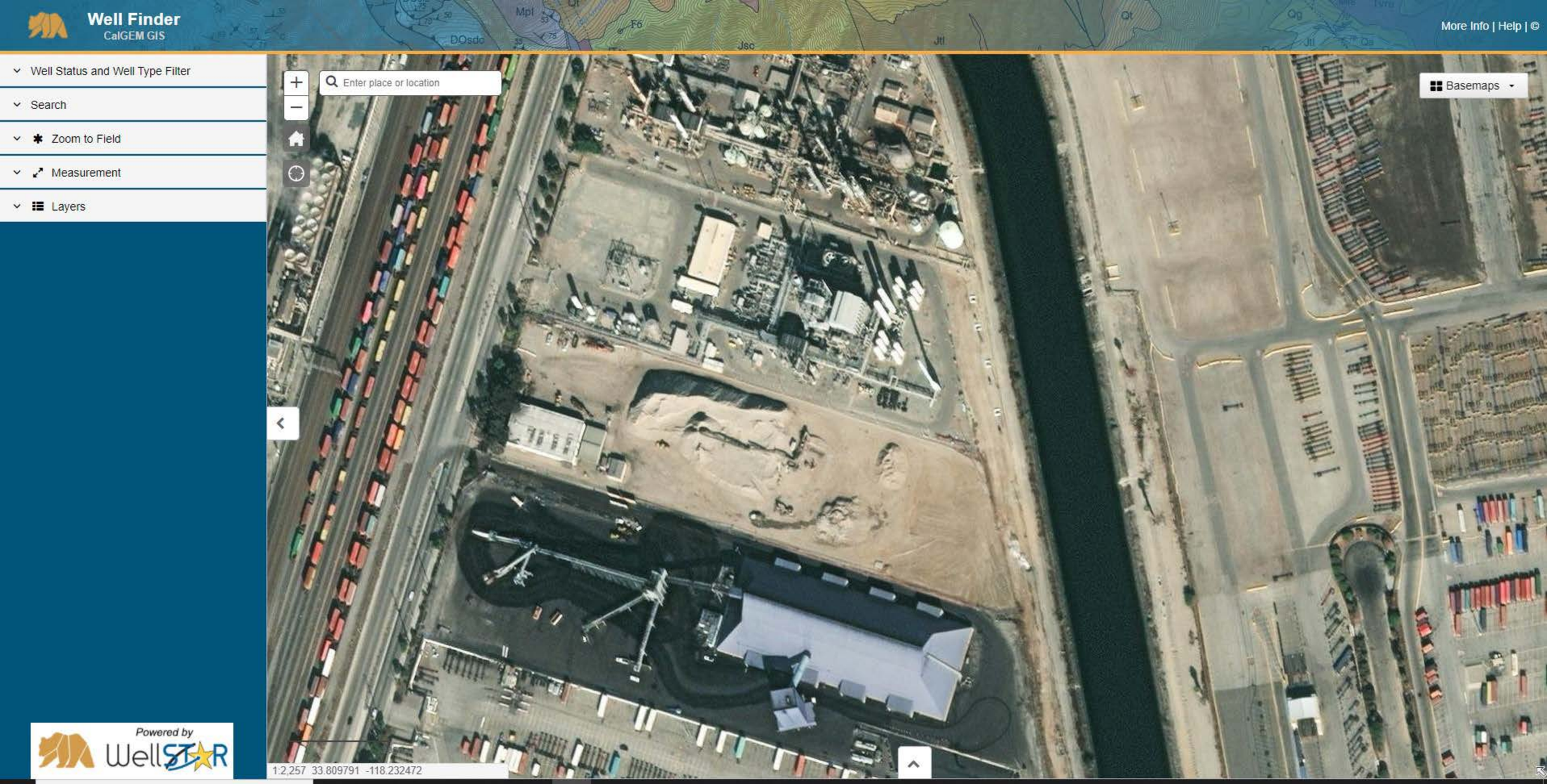
Friday, December 6, 2019
viernes 6 de diciembre, 2019
9:00 a.m. – 12:00 p.m.

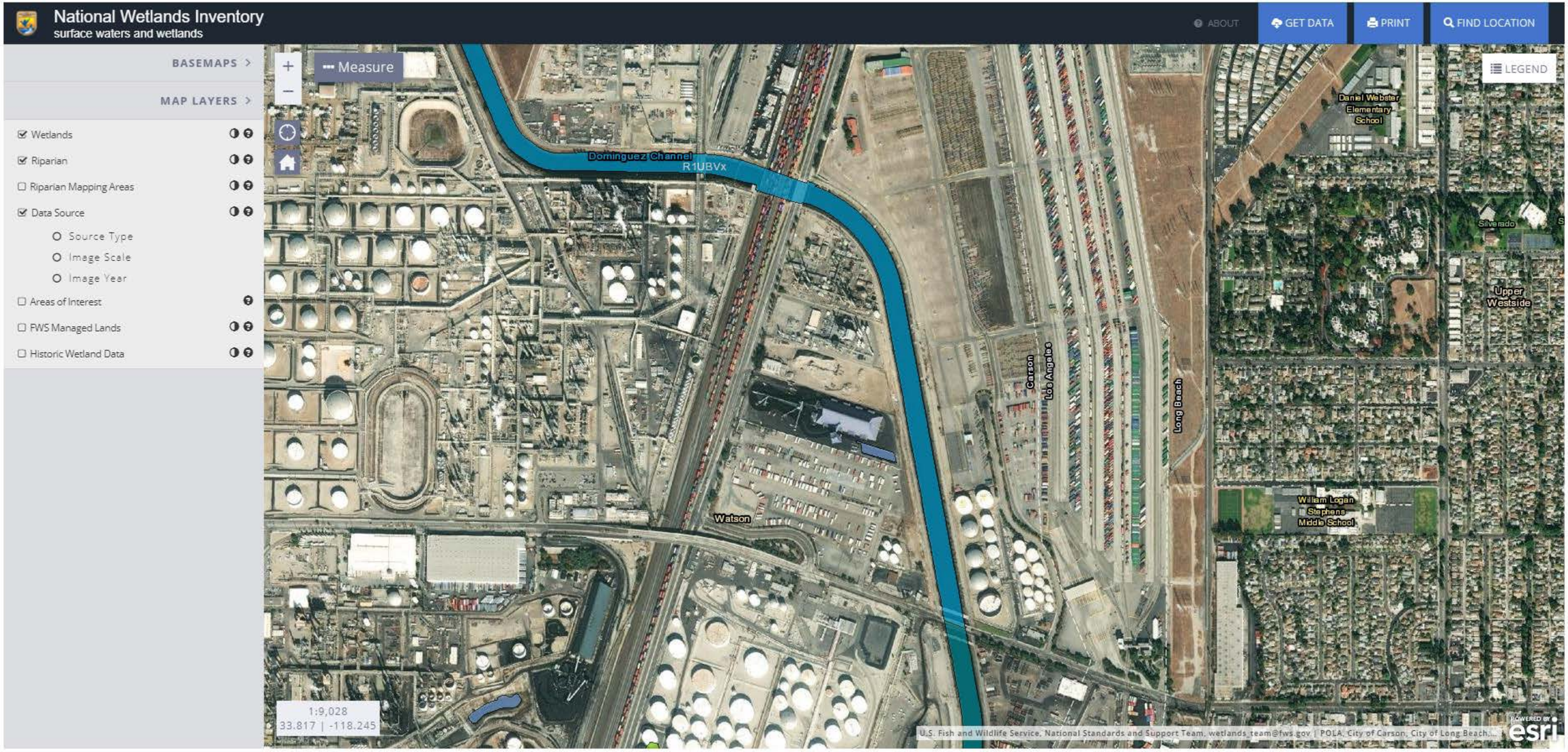
Friday, December 6, 2019
viernes 6 de diciembre, 2019
2:00 p.m. – 5:00 p.m.

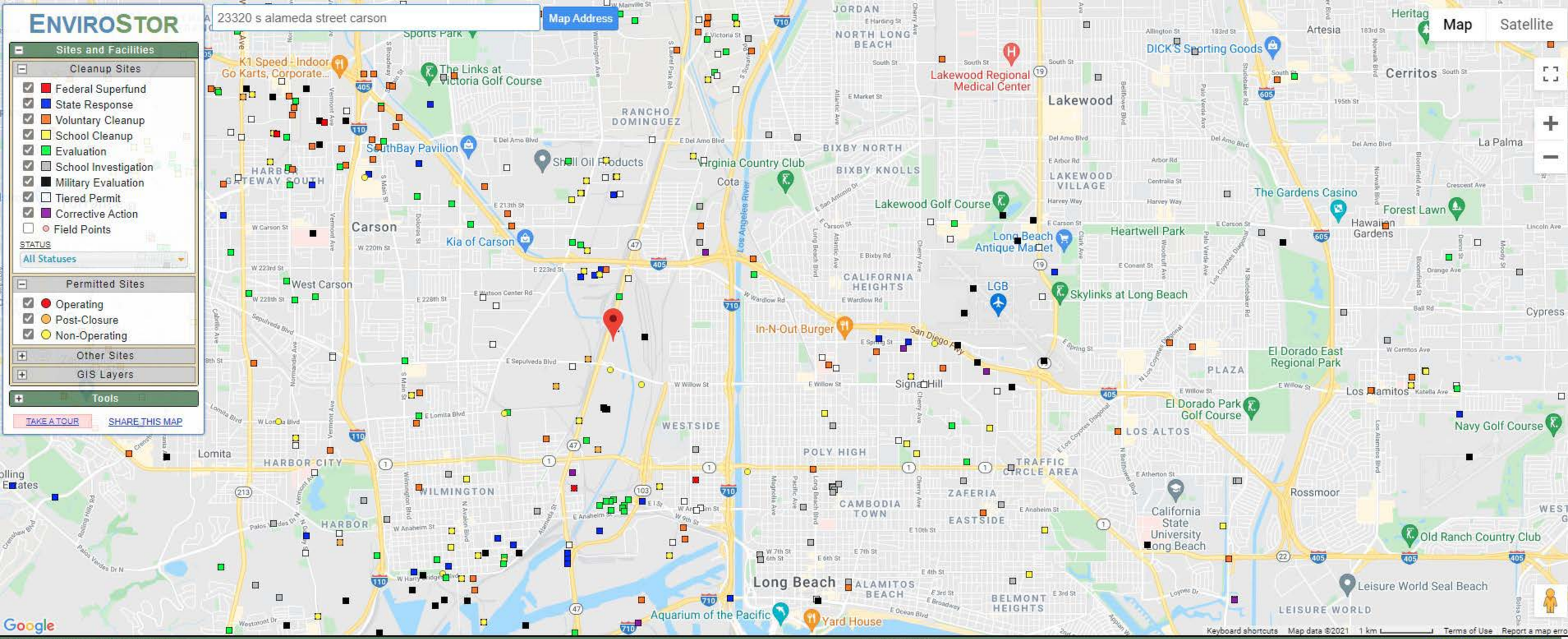
Saturday, December 7, 2019
sábado 7 de diciembre, 2019
9:00 a.m. – 12:00 p.m.

At the corner of /
En la esquina de
Del Amo Blvd & Denker Ave.

At the corner of / *En la esquina de*
W. 204th Street and Budlong Avenue
Torrance, CA 90502

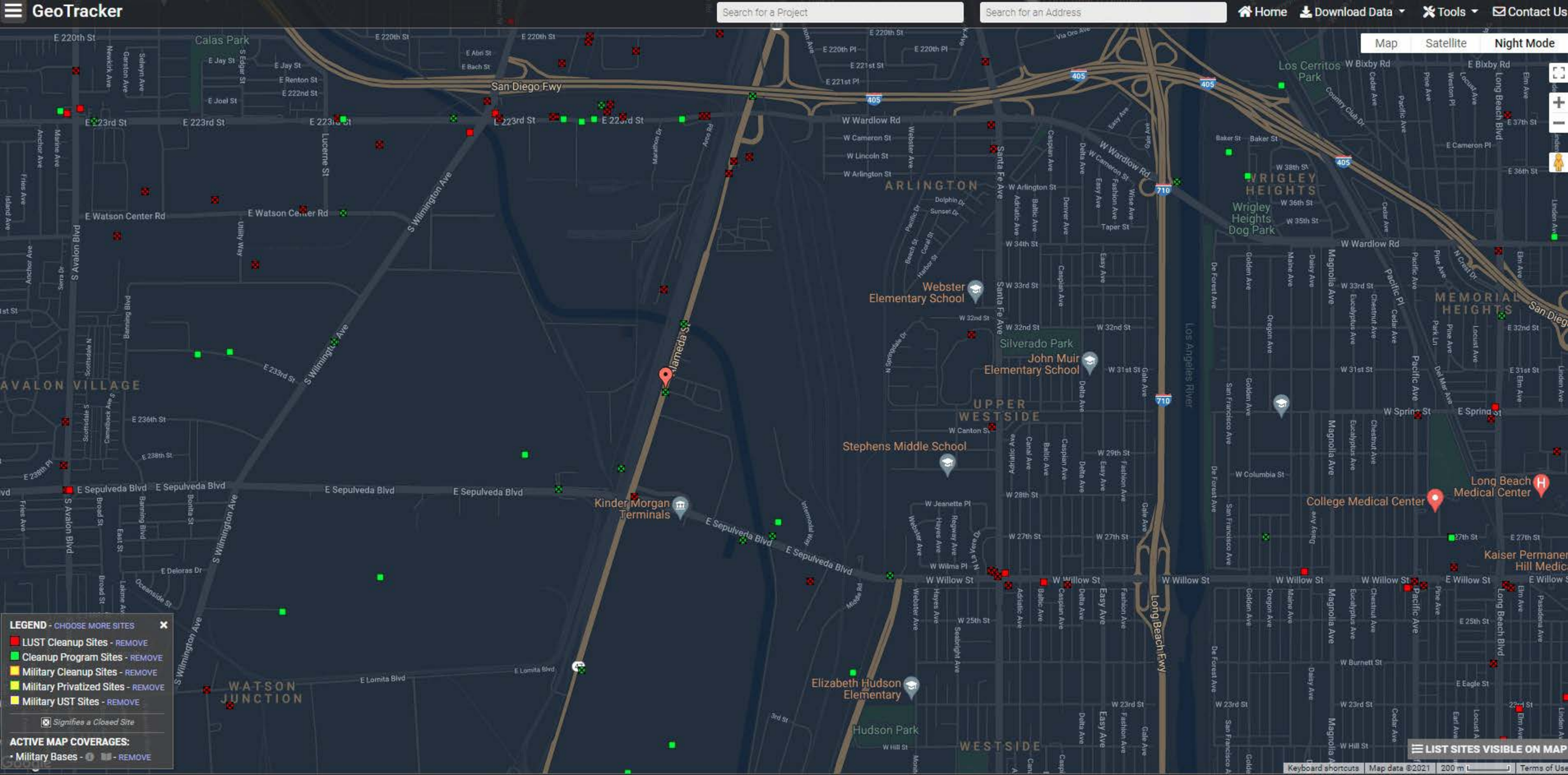

Well Finder
CalGEM GIS
More Info | Help | ©
Well Status and Well Type Filter
Search
Zoom to Field
Measurement
Layers
Enter place or location
Basemaps
Powered by
WellSTAR
1:2,257 33.809791 -118.232472


National Wetlands Inventory
surface waters and wetlands
ABOUT
GET DATA
PRINT
FIND LOCATION
BASEMAPS
MAP LAYERS
Wetlands
Riparian
Riparian Mapping Areas
Data Source
Source Type
Image Scale
Image Year
Areas of Interest
FWS Managed Lands
Historic Wetland Data
Measure
LEGEND
Dominguez Channel
R1UBVx
Daniel Webster Elementary School
Silverado
Upper Westside
Carson
Los Angeles
Long Beach
Watson
William Logan Stephens Middle School
1:9,028
33.817 | -118.245
U.S. Fish and Wildlife Service, National Standards and Support Team, wetlands_team@fws.gov | POLA, City of Carson, City of Long Beach...
POWERED BY esri



SITES CURRENTLY VISIBLE ON MAP — 455 SITES LISTED — EXPORT THIS LIST TO EXCEL

PROJECT NAME	STATUS	PROJECT TYPE	ADDRESS	CITY
1795 LONG BEACH BOULEVARD	CERTIFIED O&M - LAND USE RESTRICTIONS ONLY	VOLUNTARY CLEANUP	1795 LONG BEACH BOULEVARD	LONG BEACH
18128 SOUTH SANTA FE AVENUE	INACTIVE - NEEDS EVALUATION	VOLUNTARY CLEANUP	18128 SOUTH SANTA FE AVENUE	COMPTON
18201 & 18291 S. SANTA FE AVENUE	CERTIFIED O&M - LAND USE RESTRICTIONS ONLY	VOLUNTARY CLEANUP	18201 & 18291 S. SANTA FE AVENUE	COMPTON
18700 SOUTH LAUREL PARK ROAD	ACTIVE	VOLUNTARY CLEANUP	18700 SOUTH LAUREL PARK ROAD	COMPTON
19145 GRAMERCY PLACE	ACTIVE	VOLUNTARY CLEANUP	19145 GRAMERCY PLACE	TORRANCE
20TH STREET SCHOOL	CERTIFIED	SCHOOL CLEANUP	1777 EAST 20TH STREET	SIGNAL HILL
5453 STEARNS STREET	ACTIVE	VOLUNTARY CLEANUP	5453 STEARNS STREET	LONG BEACH
5593 AND 5595 FRESCA DRIVE, LA PALMA, CA	ACTIVE	VOLUNTARY CLEANUP	5593 AND 5595 FRESCA DRIVE,	LA PALMA
ABANDONED LOT, WILMINGTON	CERTIFIED	STATE RESPONSE	F STREET AND LECOUVRER	WILMINGTON
AERO ELECTRIC CONNECTOR, INC.	NO ACTION REQUIRED	EVALUATION	548 AMAPOLA AVE.	TORRANCE
AIR CARGO EQUIPMENT CORP.	REFER: OTHER AGENCY	TIERED PERMIT	2930 E. MARIA STREET	RANCHO DOMINGUEZ


GeoTracker
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Night Mode
LEGEND - CHOOSE MORE SITES
LUST Cleanup Sites - REMOVE
Cleanup Program Sites - REMOVE
Military Cleanup Sites - REMOVE
Military Privatized Sites - REMOVE
Military UST Sites - REMOVE
Signifies a Closed Site
ACTIVE MAP COVERAGES:
Military Bases - REMOVE
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Terms of Use
San Diego Fwy
Calas Park
Los Cerritos Park
Wrigley Heights Dog Park
ARLINGTON
WRIGLEY HEIGHTS
MEMORIAL HEIGHTS
AVALON VILLAGE
UPPER WESTSIDE
WESTSIDE
WATSON JUNCTION
Webster Elementary School
John Muir Elementary School
Stephens Middle School
Elizabeth Hudson Elementary
Silverado Park
Hudson Park
Kinder Morgan Terminals
Long Beach Medical Center
College Medical Center
Kaiser Permanente Hill Medical
Los Angeles River
Long Beach Fwy
E 220th St
E Jay St
E Joel St
E 223rd St
E Watson Center Rd
S Wilmington Ave
S Avalon Blvd
E 233rd St
E 236th St
E 238th St
E Sepulveda Blvd
E Deloras Dr
E Lomita Blvd
3rd St
W Wardlow Rd
W Cameron St
W Lincoln St
W Arlington St
W 34th St
W 33rd St
W 32nd St
W 31st St
W Canton St
W 29th St
W Jeanette Pl
W 28th St
W 27th St
W Wilma Pl
W Willow St
W 25th St
W 23rd St
W Hill St
W Bixby Rd
E Cameron Pl
W 38th St
W 36th St
W 35th St
E 36th St
E 37th St
W Spring St
E Spring St
E 32nd St
E 31st St
E 27th St
E Willow St
W Columbia St
W Burnett St
E Eagle St
Baker St
Taper St
Dolphin Dr
Sunset Dr
Pacific Dr
Beach St
Coral St
Harbor St
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SITE INVESTIGATION STUDY REPORT
AIR PRODUCTS AND CHEMICALS, INC.
23320 SOUTH ALAMEDA
CARSON, CALIFORNIA

Prepared for:

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Carson, California

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IT Project No. 203605

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CERTIFICATION PAGE

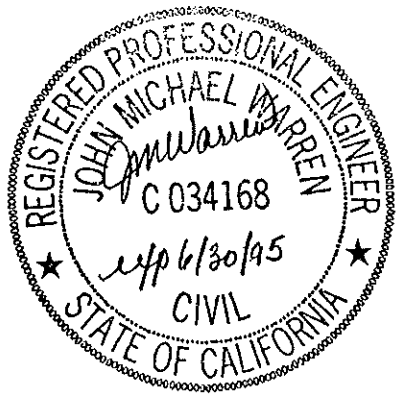
The attached site investigation report has been prepared under my direction and with my knowledge. I am aware of the contents of the site investigation report and am familiar with the site in question. I believe all data presented to be true and accurate and the approach to be technically sound.

Geology, groundwater hydrology, and geochemistry are inexact sciences, and investigative data commonly contain large uncertainties. The behavior of petroleum products and other contaminants in soil and groundwater are complex phenomena. Our judgements and conclusions are based on the analytical data presented herein and our experiences on other similar projects. The available data do not preclude the presence of materials at other locations on the subject site which presently, or in the future, may be considered hazardous.

Opinion and judgements expressed herein, which are based on our understanding and interpretation of current regulatory standards, should not be construed as legal opinions. This document and the information contained in it have been prepared solely for the use of Air Products and Chemicals, Inc. Any reliance on this information by third parties shall be at such party's sole risk.

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1.0 INTRODUCTION

This Remedial Investigation/Feasibility Study Report (report) is prepared on behalf of Air Products and Chemicals, Inc., (APCI), for APCI's plant (site) located at 23320 South Alameda in Carson, California (Figure 1, Site Location Map). This report is compiled using information obtained by IT through site investigations and review of existing site data.

1.1 Site Description

The site is located at 23320 South Alameda in Carson, California, in an industrial area mainly composed of oil refineries and chemical manufacturers. The property is bordered by a railway spur and a Texaco Sulfur Recovery Plant to the north, the Dominguez Water Channel to the east, an ARCO Coke Product Plant to the south, and Alameda Street and the ARCO refinery to the west.

The site was a hydrogen manufacturing plant, consisting of three main areas:

1. The hydrogen production plant, which has been demolished.
2. The specialty gases operation in the southwest part of the site, which is currently in operation.
3. A vessel repair shop which temporarily operated for the past three years in the northwest part of the site and has been demolished.

The specialty gases operation fills cylinders with various gases, which are received in containers or tube trailers. The building which houses the specialty gases operation, consists of a warehouse and a distribution office. The vessel repair shop in the northwest part of the plant, repaired and reconditioned APCI oxygen, nitrogen, and argon vessels and equipment. This operation was housed in a single story structure, approximately 12,000 square feet in area. The hydrogen production plant which has not been operational since 1986, occupied approximately two-thirds of the facility. It was demolished in 1993.

The surface area of the site still has the concrete slabs remaining from the hydrogen plant, the control room building and the vessel repair shop. The rest of the area is paved or has a road base gravel spread over the surface.

1.2 Site Contamination

The portion of the facility included in this study is the former hydrogen plant purification area. This area is bordered on the east by the control building slab, on the west by Alameda Street, on the south by the former compressor building slab, and on the north by the fence and railroad spur (Figure 2, Site Map).

The site previously contained a 2,500 gallon underground diesel storage tank, which was removed in 1987. Upon removal of the tank, soil contamination and suspected free product were encountered in the excavation. The contaminated soil was removed from the excavation and bio-remediated. A 6,000 gallon spent caustic solution underground tank was also located in the hydrogen plant purification area. This tank was removed on May 18, 1993, by IT. The caustic tank did not appear to have released any contaminants on site. IT has prepared and submitted a closure report to the County of Los Angeles Department of Public Works.

A truck scale located north of the control building was removed in late 1992. Visible soil contamination was observed to the north and west portions of the excavation during the removal operations. Soil contaminated with Total Petroleum Hydrocarbon (TPH) measured as Gasoline (3,516 ppm) and Diesel (780 ppm) was discovered during the removal and excavation operations. The soil beneath the adjacent hydrogen plant purification area was found to contain 180-785 ppm TPH as gasoline.

The site previously contained two aboveground hydrocarbon tanks, located in the hydrogen plant purification area. One tank was used to collect a hydrocarbon condensate, similar to gasoline, from the hydrogen feed stream. The other tank contained diesel fuel, which was used to scrub the hydrocarbon condensate from the feed gas. There was a gravel area below the tanks.

1.3 Remedial Investigation Limitations

This report was prepared by compiling information and data from an Underground Diesel Storage Tank Removal and Site Assessment Report (IT Corporation, 1988), from the recent Soil Gas Survey (Target Environmental Services, Inc, 1993), and Site Assessment (IT Corporation, 1993). IT used the following approach to evaluate the presence of contaminants and the horizontal and vertical extent of contamination.

- review available soil and groundwater analytical data
- determine the types of soil
- evaluate the soil physical properties (size, permeability, etc.)
- determine the former locations of the aboveground and underground storage tanks
- evaluate constituents fate and transport in the environment

The results of the Soil Gas Survey completed in February 1993, provided the guidance for the location of five boreholes in the areas of highest detected contamination. Soil samples collected from these boreholes were to be used to evaluate the approximate vertical extent of contamination.

Based on the analytical results of the assessment performed in March 1993 by IT, eight boreholes were proposed to evaluate the horizontal extent of contamination. Once the drilling and sampling process commenced, IT determined that more boreholes were needed to adequately define the horizontal extent of contamination. A total of 14 more boreholes were drilled in the purification area.

Given the many local sources of hydrocarbon contamination of soil and groundwater from other industries, IT's goal was to differentiate the Air Products hydrocarbon condensate contamination from other outside sources of contamination.

2.0 STUDY OBJECTIVES

The main objective of this study is to evaluate the vertical and lateral extent of hydrocarbon contamination emanating from past APCI activities at the site, and to develop remedial alternatives for contamination present. This report is based on the information from the following:

- Underground Diesel Tank Removal and Site Investigation, IT Corporation, March 1988.
- Soil Gas Survey of the Hydrogen Plant Purification Area, Target Environmental Services, Inc., prepared for IT, February 1993.
- Site Investigation Study of the Hydrogen Plant Purification Area, IT Corporation, March 1993.
- Additional Soil Sampling of the Hydrogen Plant Purification Area, IT Corporation, May 1993.

3.0 *PREVIOUS INVESTIGATIONS*

3.1 March 1988, Underground Diesel Tank Removal and Site Investigation

A Site Investigation was completed by IT in March 1988, after the removal of a 2,500 gallon underground diesel storage tank. Hydrocarbon soil contamination and free floating hydrocarbon product were observed in the tank excavation.

This Site Investigation involved the drilling of four boreholes (B-1 to B-4) and collecting soil samples to determine the vertical and horizontal extent of the hydrocarbon contamination. Selected soil samples from the boreholes were collected for laboratory analysis. Four samples, each, were analyzed for Organic Lead by gas chromatograph/PID and for Benzene, Toluene, Ethylbenzene and Xylenes (BTEX) by EPA Method 8020. Ten samples were analyzed for Total Recoverable Petroleum Hydrocarbons (TRPH) by EPA Method 418.1, one sample for flash-point by EPA Method 1010, and six samples for pH by EPA Method 9040.

Analytical results for TRPH, BTEX and Organic Lead are detailed in the report. Sample B-1-2 was selected for the flash-point which was 65 degrees Fahrenheit. The samples collected from Borehole B-4 were used for the pH analyses. The pH ranged from 7.6 to 8.3 in the six samples.

In order to determine the depth to groundwater, one borehole (B-5) was drilled into the groundwater table in an area near, but outside of, the soil contamination area. Groundwater was encountered at a depth of 58 feet, with the total depth of the borehole at 60.5 feet below surface grade. No soil sampling was performed in this borehole. A sample was collected of the aquifer material (brown silty fine sand) for grain size analysis to aid in proper well design for groundwater monitoring wells, if necessary. No groundwater monitor wells were necessary, since the contamination was at a maximum of 25 feet below the surface and groundwater was at a depth of 58 feet below the surface.

3.2 February 1993, Soil Gas Survey of the Hydrogen Plant Purification Area

Under contract to IT, a Soil Gas Survey of the Hydrogen Plant Purification Area was performed by Target Environmental Services, Inc., (Target) in February 1993. The report prepared by Target is included in its entirety in IT's Site Assessment Report, dated March 1993. This survey revealed three areas where elevated levels of volatile hydrocarbons were detected. These are the northeast area near the former truck scale, the northwest area near the former aboveground

storage tanks and the southwest area where the hydrogen feed gas pipeline entered the facility.

The soil gas survey indicated that different types of hydrocarbon contamination were present at the site. The chromatogram signatures of the samples collected in the central portion of the site are suggestive of the gasoline like condensate which was handled in this area. The signatures of the samples collected west of the aboveground tank storage area and at the southwestern corner of the site reveal a complex petroleum hydrocarbon mixture which is not typical of gasoline or diesel fuel, or any other known hydrocarbons handled by Air Products in this area.

The different chromatogram signatures suggest of different sources of contamination. The samples collected from the central part of the site indicate that the hydrocarbon contamination may have come from the aboveground storage tanks. The complex hydrocarbon contamination along the west and southwestern portion of the site may be the result of contamination from the nearby pipe lines owned by others which run along Alameda Street.

3.3 March 1993 Borehole Sampling of the Hydrogen Plant Purification Area

Based on the results of the soil gas survey performed (Target Environmental Services, Inc., 1993) five borehole locations (1-5) were selected based on the highest concentrations of volatile organics observed. The boreholes were drilled to help establish the vertical limits of the hydrocarbon contamination in these areas and to determine the types and concentrations of contaminants. Samples were collected every five feet down to a depth of 40 feet. See Figure 3, Borehole Locations, and Appendix A for Borehole Logs.

All samples collected from the boreholes were analyzed by EPA Method 418.1 for TRPH, by EPA Method 8015 (modified) for Total Petroleum Hydrocarbons (TPH) as Diesel and Gasoline, and by EPA Method 8020 for BTEX. The Analytical Results are summarized in Table 3.1.

Analytical Results for Borehole 1 indicated concentrations of TRPH, TPH and BTEX contamination in the samples collected from depths of 5 and 10 feet. All of the other samples were non-detect (ND) at the indicated detection limits.

Analytical Results for the samples collected in Borehole 2 indicated concentrations of TRPH, TPH and BTEX contamination at depths of 5, 10 and 15 feet. Samples collected at 20 and 25 feet depth were ND except for 17 mg/kg TPH as diesel at a depth of 20 feet. BTEX contamination was again encountered at depth of 30, 35 and 40 feet.

TABLE 3.1
SUMMARY OF ANALYTICAL RESULTS

SAMPLE	DEPTH feet	TRPH mg/kg	TPH GAS mg/kg	TPH DIESEL µg/kg	BENZENE µg/kg	TOLUENE µg/kg	ETHYL-BENZENE µg/kg	XYLENES µg/kg
1A	5	4290	7170(A)	50400(Z)	3680	6530	9680	24100
1B	10	6360	390(A)	7070(Z)	1290	280	370	ND
1C	15	ND	ND	ND	ND	ND	ND	ND
1D	20	ND	ND	ND	ND	ND	ND	ND
1E	25	ND	ND	ND	ND	ND	ND	ND
1F	30	ND	ND	ND	ND	ND	ND	ND
1G	35	ND	ND	ND	ND	ND	ND	ND
1H	40	ND	ND	ND	ND	ND	ND	ND
2A	5	490	83(J,A)	270(Z)	5810	10900	ND	2180
2B	10	180	620(A)	1930(Z)	17400	2500	930	ND
2C	15	ND	2(A)	1140(Z)	290	680	ND	510
2D	20	ND	ND	17(Z)	ND	ND	ND	ND
2E	25	ND	ND	ND	ND	ND	ND	ND
2F	30	ND	16(A)	ND	67	83	35	140
2G	35	ND	ND	ND	2430	ND	ND	ND
2H	40	ND	1	ND	190	140	28	110
3A	5	35400	490(A)	2300(Z)	5200	880	ND	ND
3B	10	ND	1010(A)	1840(Z)	1910	2250	1000	3740
3C	15	ND	ND	18(Z)	ND	ND	ND	ND
3D	20	ND	ND	ND	ND	ND	ND	ND
3E	25	ND	ND	ND	ND	ND	ND	ND
3F	30	ND	ND	ND	ND	ND	ND	ND
4A	5	5320	360(A)	11900(Z)	14800	3210	ND	ND
4B	10	6970	610(A)	3100(Z)	9200	1200	ND	1460
4C	15	ND	443(A)	ND	370	380	ND	ND
4D	20	75	ND	33(Z)	ND	ND	ND	ND
4E	25	ND	ND	ND	ND	ND	ND	ND
4F	30	ND	ND	ND	ND	ND	ND	ND
4G	35	33	ND	ND	ND	ND	ND	ND

TABLE 3.1
CONTINUED

SAMPLE	DEPTH feet	TRPH mg/kg	TPH GAS mg/kg	TPH DIESEL mg/kg	BENZENE µg/kg	TOLUENE µg/kg	ETHYL-BENZENE µg/kg	XYLENES µg/kg
5A	5	11900	167(A)	9880(Z)	ND	ND	ND	ND
5B	10	6190	2(A)	5540(Z)	5	ND	ND	ND
5C	15	ND	ND	ND	ND	ND	ND	ND
5D	20	ND	ND	ND	ND	ND	ND	ND
5E	25	ND	ND	ND	ND	ND	ND	ND
5F	30	ND	ND	ND	ND	ND	ND	ND
5G	35	ND	ND	ND	ND	ND	ND	ND

ND = Non Detect
mg/kg = Milligrams per Kilogram
µg/kg = Micrograms per Kilogram

(A) - The chromatographic pattern of the sample resembles that of low boiling fuel hydrocarbon, but does not match the pattern of the gasoline calibration standard. The result reported is quantitated as gasoline.

(J) - Value reported below the detection limit.

(Z) - The chromatographic pattern of the sample resembles that of high boiling fuel hydrocarbon but does not match the pattern of the diesel calibration standard. The result reported is quantitated as diesel.

Analytical Results for Borehole 3 indicated concentrations of TRPH, TPH and BTEX contamination at depths of 5 and 10 feet. TPH as diesel of 18 mg/kg was detected at a depth of 15 feet. All of the other samples were ND at the indicated detection limits.

Analytical Results for Borehole 4 indicated concentrations of TRPH, TPH and BTX contamination at depths of 5, 10 and 15 feet. Concentrations of 75 mg/kg TRPH and 33 mg/kg TPH as diesel were detected at a depth of 20 feet. A concentration of 33 mg/kg TRPH was detected at a depth of 35 feet. All samples collected at the depths of 25 and 30 feet were ND at the indicated detection limits.

Analytical Results for Borehole 5 indicated concentrations of TRPH and TPH contamination at depths of 5 and 10 feet. Benzene of 5 μg/kg was also detected at a depth of 10 feet. All of the other samples were ND at the indicated detection limits.

The chromatographic patterns for the TPH contamination reported as gasoline and diesel at depths of 5, 10 and 15 feet did not match those of the gasoline or diesel calibration standards. This contamination is believed indicative of the hydrocarbon condensate which is similar to gasoline from the aboveground storage tank .

The conclusion of this report (IT, Corporation, 1993) indicated that the vertical and lateral extent needed to be further defined in the hydrogen plant purification area.

3.4 May 1993, Investigation of the Hydrogen Plant Purification Area

The focus of the May 1993 investigation was to further define the horizontal and vertical limits of contamination around the hydrogen plant purification area (See Figure 2, Site Map).

Based on the results of the previous sampling performed in March 1993, IT proposed to drill additional boreholes to further define the horizontal and vertical limits of contamination. A total of 14 more boreholes were drilled in the hydrogen plant purification area (Figure 3 - Borehole Locations).

On May 5, 1993, IT proceeded to drill six boreholes, numbered 6, 7, 8, 9, 10 and 11, each to a depth of 30 feet. On May 6, 1993, boreholes, numbered 12, 13, 14, 15 and 16 were drilled. These boreholes were also drilled to a depth of 30 feet except Borehole 16 which reached only 25 feet because of equipment failure. Boreholes 17, 18 and 19 were drilled on May 7, 1993,

to a depth of 30 feet or first encountered groundwater. This groundwater zone is believed to be perched.

3.4.1 Sampling Procedures

The boreholes were drilled using a B-53 mobile drill rig, equipped with 3.75 inch hollow stem augers. The soil samples were collected using a California Modified Split Spoon Sampler containing three brass rings. Soil samples were collected at the 5, 10, 15, 20, 25 and 30 foot depths (see Borehole Logs in Appendix A).

The Split Spoon Sampler was deployed down the hollow stem augers and driven 18 inches into the soil using a 140 pound drive hammer. Upon sample retrieval, the soil samples were screened in the field by an Organic Vapor Analyzer (OVA) to determine the presence of any possible vapors. From this field test any soil samples that had a recorded reading were sent to the analytical laboratory for analysis. One brass ring was then selected, capped, sealed with duct tape, labeled and entered into IT Chain-of-Custody documentation. All of the soil samples were preserved on ice for delivery to the analytical laboratory. The samples were transported to IT Analytical Services in Cerritos, California, a State of California certified analytical laboratory (see Chain-of-Custody documentation in Appendix B).

Between sampling events, the Split Spoon Sampler and brass rings were steam cleaned or were cleaned by washing in Tri-sodium Phosphate and triple-rinsed, using de-ionized water to prevent cross-contamination. The augers were also steam cleaned between the drilling of each borehole to prevent the possibility of any cross-contamination. The soil cuttings from the boreholes and the decontamination water from the steam cleaning, were placed in 55 gallon drums for later disposal.

The soils in each of the boreholes was characterized according to the United States Soil Classification System and logged on Borehole logs located in Appendix A. All of the boreholes were backfilled with a concrete/bentonite mix.

3.4.2 Analytical Procedures

All soil samples sent to the analytical laboratory, were analyzed by EPA Method 418.1 for TRPH. The samples collected from the 15 foot depth (with the exception of the samples 12B and 17D) were analyzed by EPA Method 8240 for Volatile Organic Compounds and by EPA Method 9045 for pH. Several Analytical Results for Acetone and Methylene Chloride have the

letter "B" after the numeric value. The B indicates that the analyte was found in the associated blank as well as the sample, but the value was not blank corrected. Analytical Results are summarized in Table 3.2 and located in Appendix B.

3.4.3 Discussion of Analytical Results

Borehole 6

Three soil samples (6A, 6B and 6C) were collected from Borehole 6, which is located northeast of the truck scale area (Figure 3 - Borehole Locations). The Analytical Results indicated 41 mg/kg TRPH in sample 6A and ND at the indicated detection limits for samples 6B and 6C. The pH analysis for 6C was 8.1. Methylene Chloride was detected in 6C at 6(B) μg/kg. The B indicates that the analyte was found in the associated blank as well as the sample, but the value was not blank corrected. The other constituents that were analyzed under EPA Method 8240 were ND at the indicated detection limits in sample 6C.

The soil in Borehole 6 ranged from a fine-grained, grey, silty sand at 5 feet, to a brown, silty sand at the 30 foot depth. A coarse grained, gravelly sand was encountered at the 25 foot depth. The soil was damp to wet. A perched groundwater zone was encountered at a depth of 30 feet. OVA readings were 0 ppm for all three samples, but the samples were analyzed to evaluate the horizontal limits of contamination.

Borehole 7

Four soil samples (7A, 7B, 7C and 7D) were collected from Borehole 7, which is located north of the truck scale area (Figure 3 - Borehole Locations). These samples registered field OVA readings ranging from 0 to 18 ppm.

Analytical Results indicated TRPH concentrations of 3,520 mg/kg in sample 7A and 2,610 mg/kg in sample 7B. Samples 7C and 7D were ND for TRPH. The pH analysis for sample 7C was 8.0. Analytical Results for EPA Method 8240 in sample 7C, indicated 27 μg/kg Acetone and 5(B) μg/kg Methylene Chloride. The B indicates that the analyte was found in the associated blank as well as the sample, but the value was not blank corrected. The other constituents that were analyzed under EPA Method 8240 were ND at the indicated detection limits for sample 7C.

TABLE 3.2
SUMMARY OF ANALYTICAL RESULTS

SAMPLE	pH	TRPH mg/kg	ACETONE µg/kg	METHYLENE CHLORIDE µg/kg	BENZENE µg/kg	TOLUENE µg/kg	ETHYL BENZENE µg/kg	XYLENE µg/kg	OVA ppm
6A	NA	41	NA	NA	NA	NA	NA	NA	0
6B	NA	ND	NA	NA	NA	NA	NA	NA	0
6C	8.1	ND	ND	6B	ND	ND	ND	ND	0
7A	NA	3520	NA	NA	NA	NA	NA	NA	1
7B	NA	2610	NA	NA	NA	NA	NA	NA	18
7C	8.0	ND	27	5B	ND	ND	ND	ND	8
7D	NA	ND	NA	NA	NA	NA	NA	NA	0
8A	NA	7660	NA	NA	NA	NA	NA	NA	6
8B	NA	7890	NA	NA	NA	NA	NA	NA	19
8C	7.2	ND	15	6B	ND	ND	ND	ND	0
8D	NA	ND	NA	NA	NA	NA	NA	NA	18
8E	NA	ND	NA	NA	NA	NA	NA	NA	101
8F	7.2	ND	18	5B	ND	ND	ND	ND	3
9A	NA	6510	NA	NA	NA	NA	NA	NA	297
9B	NA	1780	NA	NA	NA	NA	NA	NA	497
9C	9.0	180	ND	ND	8300	20000	1600	9300	503
9D	NA	2640	NA	NA	NA	NA	NA	NA	307
9E	NA	1340	NA	NA	NA	NA	NA	NA	368
9F	NA	1290	NA	NA	NA	NA	NA	NA	588
10A	NA	6180	NA	NA	NA	NA	NA	NA	12
10B	NA	4760	NA	NA	NA	NA	NA	NA	12
10C	8.4	ND	50	5B	5	ND	ND	ND	2
10D	NA	ND	NA	NA	NA	NA	NA	NA	81
10E	NA	ND	NA	NA	NA	NA	NA	NA	109
11A	NA	5970	NA	NA	NA	NA	NA	NA	2
11B	NA	71500	NA	NA	NA	NA	NA	NA	214
11C	8.7	ND	100	5B	5	ND	ND	ND	8
11D	NA	ND	NA	NA	NA	NA	NA	NA	50
11E	NA	ND	NA	NA	NA	NA	NA	NA	25

TABLE 3.2
CONTINUED

SAMPLE	pH	TRPH mg/kg	ACETONE µg/kg	METHYLENE CHLORIDE µg/kg	BENZENE µg/kg	TOLUENE µg/kg	ETHYL BENZENE µg/kg	XYLENE µg/kg	OVA ppm
11F	NA	ND	NA	NA	NA	NA	NA	NA	2
12A	NA	59500	NA	NA	NA	NA	NA	NA	15
12B	9.1	36	22B	ND	ND	ND	ND	ND	1
12C	NA	ND	NA	NA	NA	NA	NA	NA	0
13A-5'	NA	9460	NA	NA	NA	NA	NA	NA	80
13B-10'	NA	ND	NA	NA	NA	NA	NA	NA	6
13C-15'	8.6	ND	39B	ND	ND	ND	ND	ND	10
13D-20'	NA	ND	NA	NA	NA	NA	NA	NA	45
13E-25'	NA	30	NA	NA	NA	NA	NA	NA	46
14A	NA	8070	NA	NA	NA	NA	NA	NA	3
14B	NA	ND	NA	NA	NA	NA	NA	NA	24
14C	7.5	ND	28B	ND	ND	ND	ND	ND	10
14D	NA	ND	NA	NA	NA	NA	NA	NA	23
14E	NA	ND	NA	NA	NA	NA	NA	NA	48
15A	NA	2790	NA	NA	NA	NA	NA	NA	117
15B	NA	11400	NA	NA	NA	NA	NA	NA	215
15C	6.2	ND	19B	ND	ND	ND	ND	ND	1
15D	NA	580	NA	NA	NA	NA	NA	NA	72
15E	NA	ND	NA	NA	NA	NA	NA	NA	69
16A	NA	310	NA	NA	NA	NA	NA	NA	0
16B	NA	5590	NA	NA	NA	NA	NA	NA	20
16C	8.2	1150	64	18B	5	ND	9	19	165
16D	NA	ND	NA	NA	NA	NA	NA	NA	2
16E	NA	ND	NA	NA	NA	NA	NA	NA	12
17B	NA	1970	NA	NA	NA	NA	NA	NA	46
17C	NA	ND	NA	NA	NA	NA	NA	NA	15
17D	7.2	ND	14	5B	ND	ND	ND	ND	8
17E	NA	ND	NA	NA	NA	NA	NA	NA	2
18C	7.3	ND	13	7B	ND	ND	ND	ND	0
18D	NA	48	NA	NA	NA	NA	NA	NA	82
18E	NA	74	NA	NA	NA	NA	NA	NA	58

TABLE 3.2
CONTINUED

SAMPLE	pH	TRPH mg/kg	ACETONE µg/kg	METHYLENE CHLORIDE µg/kg	BENZENE µg/kg	TOLUENE µg/kg	ETHYL BENZENE µg/kg	XYLENE µg/kg	OVA ppm
18F	NA	ND	NA	NA	NA	NA	NA	NA	12
19A	NA	ND	NA	NA	NA	NA	NA	NA	161
19B	NA	ND	NA	NA	NA	NA	NA	NA	3
19C	8.3	ND	12	6B	ND	ND	ND	ND	31
19D	NA	ND	NA	NA	NA	NA	NA	NA	31
19E	NA	ND	NA	NA	NA	NA	NA	NA	39

NA = Not Analyzed
ND = Non Detect
mg/kg = milligrams per kilogram
µg/kg = micrograms per kilogram
ppm = parts per million
TRPH = Total Recoverable Petroleum Hydrocarbons
B = indicates analyte found in the associated blank as well as in the sample, value reported is not blank corrected

The soil in Borehole 7 ranged from a brown, silty sand to a grey-black, silty sand. A gravelly sand was encountered at a depth of 20 feet. The soil was damp to wet at a depth of 5 feet. The perched groundwater zone was not encountered in this borehole.

Borehole 8

Six soil samples (8A, 8B, 8C, 8D, 8E and 8F) were collected from Borehole 8, which is located near the southeast corner of the hydrogen plant purification area (Figure 3 - Borehole Locations). These samples registered field OVA readings ranging from 0 to 101 ppm.

Analytical Results indicated TRPH concentrations of 7,660 mg/kg in sample 8A and 7,890 mg/kg in sample 8B. Samples 8C, 8D, 8E and 8F were ND for TRPH at the indicated detection limits. The pH analysis for sample 8C was 7.2. Analytical Results for EPA Method 8240 in sample 8C indicated 15 μg/kg Acetone and 6(B) μg/kg Methylene Chloride. The B indicates that the analyte was found in the associated blank as well as the sample, but the value was not blank corrected. The other constituents that were analyzed under EPA Method 8240 were ND at the indicated detection limits for sample 8C.

The soil in Borehole 8 ranged from a black, oily, silty sand at the 5 foot depth to a tan gravelly sand at the 30 foot depth. The soil was damp to wet with a perched groundwater zone encountered at 30 feet.

Borehole 9

Borehole 9 was drilled within 1 foot of the underground caustic tank prior to its removal (Figure 3 - Borehole Locations). Six soil samples (9A, 9B, 9C, 9D, 9E and 9F) were collected. These samples registered field OVA readings ranging from 297 to 588 ppm.

Analytical Results indicated TRPH concentrations of 6,510 mg/kg in sample 9A, 1,780 mg/kg in sample 9B, 180 mg/kg in sample 9C, 2,640 mg/kg in sample 9D, 1,340 mg/kg in sample 9E and 1,290 mg/kg in sample 9F. The pH analysis for sample 9C was 9.0. Analytical Results for EPA Method 8240 in sample 9C indicated 8,300 μg/kg Benzene, 20,000 μg/kg Toluene, 1,600 μg/kg Ethylbenzene and 9,300 μg/kg Xylenes. The other constituents that were analyzed under EPA Method 8240 were ND at the indicated detection limits for sample 9C.

The soil in Borehole 9 ranged from a black, wet, "gooey", silty sand near the surface to a wet, silty clayey sand at the 30 foot depth. A watery liquid containing petroleum product was encountered from the 5 to 10 foot depth. A perched groundwater zone was encountered at the 30 foot depth.

Borehole 10

Five soil samples (10A, 10B, 10C, 10D and 10E) were collected from Borehole 10, which is located in the roadway south of the hydrogen plant purification area (Figure 3 - Borehole Locations). These samples registered field OVA readings ranging from 2 to 109 ppm.

Analytical Results indicated TRPH concentrations of 6,180 mg/kg in sample 10A, 4,760 mg/kg in sample 10B and ND at the indicated detection limits in the rest of the samples (10C, 10D and 10E). The pH analysis for sample 10C was 8.4. Analytical Results for EPA Method 8240 on sample 10C indicated 50 μg/kg Acetone, 5(B) μg/kg Methylene Chloride, 5 μg/kg Benzene, and ND at the indicated detection limits for the other constituents analyzed. The B indicates that the analyte was found in the associated blank as well as the sample, but the value was not blank corrected.

The soil in Borehole 10 was mostly a fine-grained, silty sand with a gravelly sand at the 15 foot depth. The soil was damp and the perched groundwater zone was not encountered in the borehole.

Borehole 11

Borehole 11 was drilled in the roadway, southwest of the hydrogen plant purification area (Figure 3 - Borehole Locations). Six soil samples (11A, 11B, 11C, 11D, 11E and 11F) were collected. These samples registered field OVA readings ranging from 2 to 214 ppm.

Analytical Results indicated TRPH concentrations of 5,970 mg/kg in sample 11A, 71,500 mg/kg in sample 11B and ND at the indicated detection limits in the rest of the samples. The pH analysis for sample 11C was 8.7. Analytical Results for EPA Method 8240 in sample 11C indicated 100 μg/kg Acetone, 5(B) μg/kg Methylene Chloride, 5 μg/kg Benzene, and ND at the indicated detection limits for the other constituents analyzed. The B indicates that the analyte was found in the associated blank as well as the sample, but the value was not blank corrected.

The soil in Borehole 11 was a fine-grained, silty sand with a gravelly sand at the 20 to 30 foot depths. A wet zone was encountered between the 5 and 10 foot depth. A perched groundwater zone was encountered at 30 feet.

Borehole 12

Borehole 12 was drilled in the northern part of the connected parking area outside of the fence. Prior to drilling the borehole, a geophysical survey was conducted to prevent the possibility of drilling into buried underground utilities or pipes (Figure 3 - Borehole Locations). Three soil samples (12A, 12B and 12C) were collected. These samples registered field OVA readings ranging from 0 to 15 ppm.

Analytical Results indicated TRPH concentrations of 59,500 mg/kg in sample 12A, 36 mg/kg in sample 12B, and ND at the indicated detection limits in sample 12C. The pH analysis for sample 12B was 9.1. Analytical Results for EPA Method 8240 in sample 12B indicated 22(B) μg/kg Acetone, and ND at the indicated detection limits for the other constituents analyzed. The B indicates that the analyte was found in the associated blank as well as the sample, but the value was not blank corrected.

The soil in Borehole 12 was a fine-grained, silty sand with a gravelly sand at the 20 foot depth. The soil was damp and the perched groundwater zone was not encountered.

Borehole 13

Borehole 13 was drilled in the parking area outside of the fence and west of the hydrogen plant purification area (Figure 3 - Borehole Locations). Prior to drilling the borehole, a geophysical survey was conducted to prevent the possibility of drilling into buried underground utilities or pipes. Five soil samples (13A, 13B, 13C, 13D and 13E) were collected. These samples registered field OVA readings ranging from 0 to 80 ppm.

Analytical Results indicated TRPH concentrations of 9,460 mg/kg in sample 13A, 30 mg/kg in sample 13E, and ND at the indicated detection limits in samples 13B, 13C and 13D. The pH analysis for sample 13C was 8.6. Analytical Results for EPA Method 8240 in sample 13C indicated 39(B) μg/kg Acetone and ND at the indicated detection limits for the other constituents analyzed. The B indicates that the analyte was found in the associated blank as well as the sample, but the value was not blank corrected.

The soil in Borehole 13 ranged from a fine-grained sand to a gravelly sand. The soil was damp and a perched groundwater zone was encountered at the 30 foot depth. An oily layer was encountered at the 5 foot depth.

Borehole 14

Borehole 14 was drilled in the parking area outside of the fence, and near where the ARCO pipeline entered the facility (Figure 3 - Borehole Locations). Prior to drilling the borehole, a geophysical survey was conducted to prevent the possibility of drilling into buried underground utilities or pipes. Five soil samples (14A, 14B, 14C, 14D and 14E) were collected. These samples registered field OVA readings ranging from 0 to 48 ppm.

Analytical Results indicated TRPH concentrations of 8,070 mg/kg in sample 14A and ND at the indicated detection limits in the rest of the samples. The pH analysis for sample 14C was 7.5. Analytical Results for EPA Method 8240 in sample 14C indicated 28(B) μg/kg Acetone, and ND at the indicated detection limits for the other constituents analyzed. The B indicates that the analyte was found in the associated blank as well as the sample, but the value was not blank corrected.

The soil in Borehole 14 ranged from a silty sand, to a gravelly sand at the 20 foot depth. A wet "gooey", oily layer was encountered at the 5 foot depth. The soil was damp and a perched groundwater zone was encountered at the 30 foot depth.

Borehole 15

Borehole 15 was also drilled in the parking area outside of the fence and west of the compressor shelter (Figure 3 - Borehole Locations). Prior to drilling the borehole, a geophysical survey was run to prevent the possibility of drilling into buried underground utilities or pipes. Five soil samples (15A, 15B, 15C, 15D and 15E) were collected. These samples registered field OVA readings ranging from 0 to 215 ppm.

Analytical Results indicated TRPH concentrations of 2,790 mg/kg in sample 15A, 11,400 mg/kg in sample 15B, 580 mg/kg in sample 15D, and ND at the indicated detection limits for samples 15C and 15E. The pH analysis for sample 15C was 6.2. Analytical Results for EPA Method 8240 in sample 15C indicated 19(B) μg/kg Acetone, and ND at the indicated detection limits for the rest of the constituents analyzed. The B indicates that the analyte was found in the

associated blank as well as the sample, but the value was not blank corrected.

The soil in Borehole 15 ranged from a silty sand to a gravelly sand at the 20 foot depth. The soil was damp with a perched groundwater zone encountered at the 30 foot depth.

A borehole was drilled south of Borehole 15. A concrete obstruction was encountered at the 4 foot depth and drilling was halted. No further drilling was performed in the parking area due to the underground utilities and pipes.

The soil that was encountered in the abandoned borehole was a black, silty sand with a strong hydrocarbon odor. No borehole log was recorded for this hole.

Borehole 16

Borehole 16 was drilled just south of the concrete slab of the former maintenance building (Figure 3 -Borehole Locations). Due to an equipment failure, the borehole was only drilled to a depth of 25 feet. Five soil samples (16A, 16B, 16C, 16D and 16E) were collected. These samples registered field OVA readings ranging from 0 to 165 ppm.

Analytical Results indicated TRPH concentrations of 310 mg/kg in sample 16A, 5,590 mg/kg in sample 16B, 1,150 mg/kg in sample 16C, and ND at the indicated detection limits in samples 16D and 16E. The pH analysis for 16C was 8.2. Analytical Results for EPA Method 8240 in sample 16C indicated 64 μg/kg Acetone, 18(B) μg/kg Methylene Chloride, 5 μg/kg Benzene, 9 μg/kg Ethylbenzene, 19 μg/kg Xylenes, and ND at the indicated detection limits for the other constituents analyzed. The B indicates that the analyte was found in the associated blank as well as the sample, but the value was not blank corrected.

The soil in Borehole 16 ranged from a fine-grained, silty sand to gravelly sand at the 20 foot depth. A wet black "gooey" layer was encountered at the 10 foot depth. The soil was damp to wet. The perched groundwater zone was not encountered in this borehole.

Borehole 17

Borehole 17 was drilled just north of the concrete slab of the former maintenance building (Figure 3 -Borehole Locations). Four soil samples (17B, 17C, 17D and 17E) were collected. These samples registered field OVA readings ranging from 0 to 46 ppm.

Analytical Results indicated TRPH concentrations of 1,970 mg/kg in sample 17B and ND at the indicated detection limits in samples 17C, 17D and 17E. The pH analysis for sample 17D was 7.2. Analytical Results for EPA Method 8240 in sample 17D indicated 14 μg/kg Acetone, 5(B) μg/kg Methylene Chloride, and ND at the indicated detection limits for the other constituents analyzed. The B indicates that the analyte was found in the associated blank as well as the sample, but the value was not blank corrected.

The soil in Borehole 17 ranged from a fine-grained, silty sand to a gravelly sand at the 20 foot depth. The soil was damp to moist. The perched groundwater zone was not encountered in the borehole.

Borehole 18

Borehole 18 was drilled just north of the compressor shelter concrete slab (Figure 3 - Borehole Locations). Four soil samples (18C, 18D, 18E and 18F) were collected. These samples registered field OVA readings ranging from 0 to 82 ppm.

Analytical Results indicated TRPH concentrations of 48 mg/kg in sample 18D, 74 mg/kg in sample 18E and ND at the indicated detection limits in samples 18C and 18F. The pH analysis for sample 18C was 7.3. Analytical Results for EPA Method 8240 in sample 18C indicated 13 μg/kg Acetone, 7(B) μg/kg Methylene Chloride, and ND at the indicated detection limits for the other constituents analyzed. The B indicates that the analyte was found in the associated blank as well as the sample, but the value was not blank corrected.

The soil in Borehole 18 ranged from a fine-grained silty sand to a gravelly sand at the 25 foot depth. The soil was damp and a perched groundwater zone was encountered at the 30 foot depth.

Borehole 19

Borehole 19 was drilled in the southeast corner of the former control building concrete slab (Figure 3 - Borehole Locations). Five soil samples (19A, 19B, 19C, 19D and 19E) were collected. These samples registered field OVA readings ranging from 0 to 161 ppm.

Analytical Results indicated TRPH concentrations were ND at the indicated detection limits for all of the samples. The pH analysis for sample 19C was 8.3. Analytical Results for EPA

Method 8240 in sample 19C indicated 12 μg/kg Acetone, 6(B) μg/kg Methylene Chloride, and ND at the indicated detection limits for the other constituents analyzed. The B indicates that the analyte was found in the associated blank as well as the sample, but the value was not blank corrected.

The soil in Borehole 19 ranged from a fine-grained, silty sand to a gravelly sand at the 25 foot depth. The soil was damp and a perched groundwater zone was encountered at the 30 foot depth.

4.0 ENVIRONMENTAL CONDITIONS

This section will describe the environmental conditions at the APCI site. Environmental conditions include site geology, hydrology, hydrogeology and meteorology.

4.1 Site Geology

The site is located in the southern portion of the Central Section of the Los Angeles Basin. Soils in this portion of the Basin are mainly comprised of recent soil formations made up of clays, silts and sands that extend into the groundwater formation. The State of California, Department of Water Resources classifies these formations as "Younger Alluvium".

The site consists of a relatively flat grade, covered with concrete and asphalt in the contaminated area. The site is approximately 18 to 25 feet above mean sea level. According to the information collected during the present and past subsurface investigations, the following is a summary of the site subsurface soil conditions:

- 0 to 5 feet — Damp brown to grey, silty sand
- 5 to 10 feet — Damp to wet fine-grained, grey, silty sand
- 10 to 15 feet — Damp grey to black, fine-grained, silty sand
- 15 to 20 feet — Damp brown or grey, silty sand, maybe some gravel
- 20 to 25 feet — Damp grey or brown sand, maybe some gravel
- 25 to 30 feet — Damp to wet, gravelly sand
- over 30 feet — Moist to wet, brown, silty sand

Borehole logs from the February and May investigations are included in Appendix A. Soil conditions at the site were observed to a depth of 40 feet.

4.2 Site Surface Hydrology

The site is topographically even with the properties located to the north and south. The site is approximately 2 to 3 feet above Alameda Street on the west and approximately 20 feet above the Dominguez Channel water level. During periods of heavy rains, runoff water is channeled to area storm drains located throughout the site. The surface around the hydrogen plant purification area is mainly covered by asphalt and concrete. Some road base gravel has been spread on the roadway between the purification area and the former compressor shed.

The northeast and east portions of the site are bare soil. Any runoff would pond and eventually evaporate and/or percolate into the subsurface. The potential of water runoff from the site is minimal. The site did not experience any uncontrolled rain water runoff release during the uncharacteristically heavy rain period of 1993.

4.3 Site Hydrogeology

A perched groundwater zone was encountered at approximately 30 feet below the surface. This perched groundwater may be caused by the result of heavy rains during the 1992\1993 rain season in the Los Angeles area. The next groundwater formation is estimated to be 60 to 100 feet below the surface. This deeper groundwater formation would correspond to the Gage Aquifer, a major hydro-stratigraphic unit in the basin. Groundwater flow in the Gage Aquifer in the vicinity of the site, trends generally in a westerly direction. No known municipal use exists for the groundwater beneath the APCI site.

4.4 Site Meteorology

The climate of the Carson area, like most of Southern California, is controlled by the strength and position of a semi-permanent high pressure center over the Pacific Ocean. The high pressure ridge over the west coast of Southern California creates a repetitive pattern of frequent early morning cloudiness, hazy afternoon sunshine, daytime on-shore breezes and little temperature changes throughout the year. Limited rainfall occurs in the winter when the fringes of mid-latitude storms move through the area and the high pressure center is weakest and furthest south. On the average 12 to 15 inches of rain fall annually from November through early April. Summers are often completely dry.

Local meteorological conditions conform to the pattern of strong on-shore winds by day, especially in the summer, and weak off-shore winds by night, especially in the winter. Winds blow on-shore from the west/southwest by day and off-shore from the east/northeast by night, with the on-shore component much stronger and more persistent than the weak off-shore component.

5.0 CONCLUSION

Based on the information obtained from the March 1988 Underground Diesel Tank Removal, the March 1993 Site Investigation Report, the February 1993 Soil Gas Survey and the site investigation performed in May 1993, IT has completed the evaluation of the types, the sources and the extent of contamination at the APCI hydrogen production plant purification area.

5.1 Types and Source of Contamination

There are several local industrial sources of hydrocarbons at this site that may have contributed to the contamination of the soil. The task at hand was to differentiate the Air Products soil contamination, related to past surface spills of hydrocarbon condensate, from any other outside sources of contamination that were not attributable to past Air Products activities. Existing underground pipelines, which run along Alameda Street adjacent to the site, appear to be another source of hydrocarbon contamination. In addition, there is known hydrocarbon contamination of regional groundwater in the area.

The information obtained from the diesel tank removal and (IT Corporation, 1988) site assessment indicated that petroleum hydrocarbons and Benzene, Toluene, Ethylbenzene and Xylenes were present in the soil. At the time of the removal of the diesel tank, it was thought that the tank was the source of contamination. We know now that this tank was not the source of contamination, since the petroleum hydrocarbons and BTEX were not characteristic of diesel fuel; the flash point was well below that expected for diesel; the integrity of the tank and piping appeared to be intact; and the contamination extended, in a wide fashion, from the surface down to a depth of 20 feet, which would indicate a surface spill rather than an underground storage tank release.

The Soil Gas Survey (Target Environmental Services, Inc., 1993) indicated that the chromatogram signatures of the samples collected in the central portion of the purification area were indicative of the gasoline-like hydrocarbon condensate handled by Air Products in this area. The signatures of the samples collected in the western and southwestern portions of the purification area revealed a complex petroleum hydrocarbon mixture which was not typical of gasoline or diesel fuel. The highest concentrations of TPH and BTEX were west of the aboveground storage tank area and in the southwestern portion of the hydrogen plant purification area. The Air Products tanks, given their location and contents, do not appear to be the source

of this contamination. Investigation of other potential sources of the petroleum hydrocarbon mixture, such as the underground pipelines which run along Alameda Street, would be prudent; however, such an investigation is beyond the scope of this work plan.

The five boreholes drilled in March 1993 were positioned, using the soil gas survey results as a guide. The Analytical Results indicated that high concentrations of TRPH and BTEX were detected in the samples collected from the 5 and 10 foot depths in all of the five boreholes. TPH and BTEX were also detected in Boreholes 2 and 4. The surface to the 15 foot depth extent, and the nature of the contamination suggests that surface spills from the aboveground tanks were the source of this contamination. The reappearance of BTEX in Borehole 2 at the 30, 35 and 40 foot depths, and in Borehole 4 at the 35 foot depth, however, cloud this issue. Given that the 15 foot to the 35 foot depth appears to be clean, this reappearance of BTEX suggests that another source may be present for the contamination. See Table 3.1 for a Summary of the Analytical Results.

The latest borehole sampling performed in May 1993, further defined the lateral and vertical extent of contamination. It also quantified the hydrocarbon concentrations. In addition, select soil samples were analyzed by EPA Method 8240 for Halogenated Volatile Organic Compounds (HVOC). While very low levels of Methylene Chloride and Acetone were detected in some of the samples, Methylene Chloride, when detected, was also detected in the method blanks and these values were not blank corrected. Acetone was also detected in several of the method blanks and these values were also not blank corrected. Given the low levels of these substances and their presence in the laboratory blanks, Methylene Chloride and Acetone are not considered to be contaminants of concern.

IT believes that the gasoline-like contamination found in the hydrogen purification area at the depths of 5, 10 and 15 feet are the result of surface spills from the aboveground storage tanks. In the central portion of the site this contamination extends to a depth of approximately 30 feet. The complex hydrocarbon substance discovered on the western and southwest area of the site appears to emanate from other sources. The contamination discovered in some of the deepest soil samples also appears to emanate from a source other than Air Products since the Air Products surface spill evidence is not continuous from the surface to that depth. Since the 15 foot to the 35 foot depth at these locations is essentially clean, the source may have been past activities at the site prior to APCI presence or the effects of the known regional groundwater contamination from below.

5.2 Areal Extent of Contamination

The areal extent of contamination in an east-west direction is approximately 200 feet. This is measured from Borehole 13 to Borehole 19. In a north-south direction the extent is approximately 300 feet measured from Borehole 17 to Borehole 15. The depth of contamination was approximately 5 feet deep on the extremes and progressively deeper toward the center of the purification area. Borehole 9 showed the deepest extent of contamination with concentrations of TRPH at the 30 foot depth. Figure 4 shows cross sections of the TRPH contamination across the site in a north-south, and west-east direction. Figure 5 indicates the boreholes that were used for the cross sections.

It is known that the regional groundwater is contaminated with hydrocarbons from other sources. IT is aware of a regional groundwater study presently underway. This study is jointly sponsored by ARCO, Shell, Texaco, and GATX Terminals Corp. The results of the study may provide information regarding groundwater conditions at the Air Products site. Since the contamination attributable to Air Products appears to occur in the top 30 feet of soil, and that the groundwater is 60 feet down, we are not recommending the installation of groundwater wells at this time.

5.3 Cleanup Guidelines

The following section discusses soil and groundwater cleanup requirements by various regulatory agencies as understood by IT. Action levels for soil and groundwater have been based on the strictest interpretation of agency guidelines concerning action levels.

5.3.1 Soil

The California Regional Water Quality Control Board "Water Quality Objectives of 1985" established soil and groundwater action levels in their guidelines. The action levels for the contaminants detected on-site based on these guidelines, are: TPH at 2,000 mg/kg, Benzene at 700 μg/kg, Toluene at 100 mg/kg, Ethylbenzene at 1.4 mg/kg, Xylene at 620 mg/kg and Methylene Chloride (Dichloromethane) at 190 μg/kg. The action levels for the TPH and BTEX are developed for soil, in order to protect groundwater. Acetone is not a regulated substance and does not have an action level. The Methylene Chloride and Acetone detected at the site are not considered to be a hazardous waste problem since they were detected at low levels and were present in the method blanks, will not be further discussed.

In addition, the Leaking Underground Fuel Tank (LUFT) Manual suggests action levels for petroleum hydrocarbon contaminated soil resulting from underground fuel storage tanks.

According to the LUFT Manual, Table 2-1, page 29 Leaching Potential Analysis for Gasoline, using TPH; the leaching potential score for Gasoline contamination at the site is calculated as follows:

CONDITION	SCORE
Depth to groundwater less than 100 feet	9 points
No fractures in subsurface	10 points
Average rainfall is 14 to 17 inches/year	9 points
No man made conduits	10 points
Site-coarse soil	5 points
Total Site Score	43 points

The scores above are assigned to the listed scenarios in order to achieve a score to be used in selecting maximum allowable levels of contaminants that can be present at the site. If existing contaminants exceed the prescribed levels, remediation activities will be required. Based on the 43 score obtained, maximum allowable levels of TPH as Gasoline and BTEX contamination are 100, 1.0, 1.0, 1.0 and 1.0 mg/kg, respectively. These levels are strictly developed based on the presence of gasoline fuel in the soil as a result of a release from an underground tank leak. Remediation of the overlying soils should lessen the degree of contamination and restore normal site conditions to prevent any degradation of the groundwater.

5.3.2 Groundwater

Given that the APCI contamination does not extend deeper than 30 feet, contaminants from the site are not believed to have impacted regional groundwater. The shallow, perched groundwater encountered at the site appears to be transitory. Contamination of this perched groundwater zone will be, in effect, remediated after completion of the soil remedial efforts.

6.0 RECOMMENDATIONS

IT recommends implementation of the remedial alternatives for soil contamination discussed in sections 7.0 and 8.0 of this report, which evaluate site contaminant behavior as well as remedial alternatives of the soil.

Based on the discussion in section 8.0, the recommended remedial alternatives are Soil Vapor Extraction (SVE) followed by Recycling.

7.0 CONTAMINANT FATE AND TRANSPORT, HYDROGEN PLANT PURIFICATION AREA

7.1 Contaminants Description

The purpose of this section is to identify the contaminants of concern, and to discuss the physical and chemical properties of these contaminants in relation to their ultimate fate and transport in the environment. These contaminants of concern were selected based on results obtained from the field investigations.

The guidance by the USEPA (United States Environmental Protection Agency, Risk Assessment for Superfund, Volume I, Human Health Evaluation Manual EPA 540-1-89/002) for the selection of contaminants of concern was followed. This guidance document suggests that in selecting contaminants of concern, the focus should be on those contaminants that constitute the bulk of the potential risk. There are two major classes into which contaminants of concern fall; organics and metals. Metal constituents were not analyzed for in the soil samples. Table 7.1 summarizes the Constituents of Concern at the APCI site.

TABLE 7.1
Contaminants of Concern

Petroleum Hydrocarbons
Volatile Organics
Benzene
Toluene
Ethylbenzene
Xylenes

7.1.1 Volatile Organics

In general, the fate of organics in the environment is determined, to a large degree, by the contaminants' water solubility and high propensity for binding to particulate or other organic matter. Organics will strongly sorb to surface material. Organics in the atmosphere are associated almost exclusively with particulate matter. Although organics are very persistent, bio-degradation by bacteria and photo oxidation of particle bound compounds do occur. Also, the rate of decay may be influenced by the chemical properties of the binding substrate.

The majority of the organic compounds in the soil are slightly soluble, to nearly insoluble in water. Of the detected compounds, Benzene, Toluene, Ethylbenzene and Xylenes are the most soluble. The general rule of solubility is that it decreases with an increasing number of aromatic rings. Therefore, the most likely organic compounds to be leached from the soil by water would be the low molecular weight aliphatic hydrocarbons (C5 through C8).

Benzene, Toluene, Ethylbenzene and Xylenes are constituents with volatility properties that at sufficient concentrations, could be expected to volatilize and be detected through the soil.

7.2 Potential Routes of Migration

The environmental factors that influence the mobility of a contaminant include climatology, surface hydrology, geology, and hydrogeology.

7.2.1 Climatology

The APCI site is located in Southern California where the climate is classified as Coastal Mediterranean type, with a rainy winter season and dry summers. Precipitation in the area averages 12 to 15 inches each year. With the exception of the 1992/1993 season, the region had experienced a drought over the last six years. In winter the average daily temperatures range from the low 40 degrees to the high 70 degrees Fahrenheit. In summer, average daily temperatures range from the low 60 degrees to the high 80 degrees Fahrenheit.

7.2.2 Surface Hydrology

The site is in an area surrounded by oil refineries and chemical manufacturers. The surface area of the site is mostly covered by asphalt or concrete slabs.

7.2.3 Geology

The soil at the site, based on the borehole logs, is a grey to dark brown, silty sand with interbedded gravel zones. The soil is fairly porous and was damp to wet.

7.2.4 Hydrogeology

The site has at least two known groundwater zones. A perched groundwater zone is located at approximately 30 feet below the surface. This zone may be the result of the recent rainfall in the Los Angeles area. The other groundwater zone is located at an approximate depth of 60 to 100 feet. This zone would be equivalent to the Gage aquifer.

7.3 Factors Affecting Waste Migration

The transport of contaminants of concern is largely a function of their physical properties, the physical properties of their surrounding matrix, the physical conditions to which they are subjected, and to the chemical factors. Highly volatile wastes are more prone to be transported through the atmosphere and the more soluble ones to be carried by water.

Wastes will move farther and faster in porous sandy formations than in denser soil. Volatile wastes are mobile under hot windy conditions, and soluble during periods of heavy rainfall. The transport and fate of each contaminant is highly dependent upon its characteristic physio-chemical properties. The properties of greatest importance in this regard are:

- Molecular Weight
- Vapor Pressure
- Water Solubility
- Volatility (Henry's Law Constant K_h or H_c)
- Octanol Partition Coefficient (Kow)
- Organic Carbon Water Coefficient (Koc)
- Bio-concentration Factor

All of these influence a contaminant's environmental persistence. The physical and chemical properties of the contaminants of concern are presented in Table 7.2.

Water solubility is the maximum concentration of a chemical that dissolves in pure water at a specific temperature and pH. It is a critical property affecting environmental fate and transport.

Vapor pressure is a relative measure of the volatility of a chemical in its pure state and is a important determinant of the rate of vaporization from soil and surface waters.

Henry's Law Constant is another parameter, important in evaluating volatilization from waste exposed to air.

The Organic Carbon Water Coefficient (Koc) is a measure of the tendency for organics to be absorbed by the soil and sediments. The Koc is chemical specific and is largely independent of soil properties, and is a prime determinant of phase transport in moist soil.

The Octanol Partition Coefficient (Kow) is a measure of how a chemical is distributed at equilibrium between Octanol and water. It is an important parameter and is often used in the assessment of environmental fate and transport for organic compounds.

The bio-concentration factor provides a measure of the extent of chemical partitioning at equilibrium between a biological medium, such as a fish tissue and/or plant tissue and an external medium, such as water. The larger the factor becomes, the greater the likelihood of accumulation in living tissue.

TABLE 7.2
PHYSICAL AND CHEMICAL PROPERTIES FOR POTENTIAL CONTAMINANTS OF CONCERN AT THE APCI SITE

CONSTITUENT	BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES
Molecular Weight (amu)	58	92	106	106
Vapor Pressure (mmHg)	95.2	28.1	7	10
Water Solubility (25 Celsius/mg/L)	1750	535	152	198
Volatility Henry's Constant (atm m3 lig/moles)	$5.59X10^{-3}$	$6.37X10^{-3}$	$6.43X10^{-3}$	$7.04X10^{-3}$
Log Kow	2.12	2.73	3.15	3.26
Koc (mg/g)	83	300	1100	248
Persistence/ Bio-degradation	1	NA	NA	1

NA - Not Applicable
amu - atomic molecular unit
mmHg - millimeters of Mercury
mg/l - milligrams per Liter
mg/g - milligrams per Gram

8.0 SITE REMEDIATION FEASIBILITY STUDY

This section summarizes the site remediation alternatives that may be used to remediate the contamination that is present at the APCI site.

8.1 Site Remediation Objectives

Soil contamination at the site appears to originate from the former aboveground hydrocarbon condensate and diesel storage tanks.

Based on this, IT will evaluate remedial alternatives that will achieve compliance with remediation guidelines that have been established by the State of California LUFT Manual, the Regional Water Quality Control Board and the County of Los Angeles Department of Public Works Guidance. Based on interaction with the appropriate regulatory agency, and considering the area background, the cleanup objective may be re-established at higher levels. The following is a tabular form of applicable remediation goals.

TABLE 8.1
ESTABLISHED CLEANUP GOALS
NON-SITE SPECIFIC

CONTAMINANT	LUFT GOAL*	COUNTY GUIDANCE *	RWQCB ACTION LEVELS
TRPH	1000 ppm	Background	NA
EPA 8015 TPH Gasoline Diesel	 100 ppm 1000 ppm	"	NA
BENZENE	1.0 ppm	"	700 μg/kg
TOLUENE	1.0 ppm	"	100 mg/kg
ETHYLBENZENE	1.0 ppm	"	1.4 g/kg
XYLENES	1.0 ppm	"	620 mg/kg

* Based on total contaminants present **Based on soil levels to protect groundwater

NA - Not Applicable

In addition, any systems, equipment, and/or construction to be conducted on-site to achieve these goals will be in compliance with all federal, state and local laws and regulations.

8.2 Feasibility Study Objectives

Remediation alternatives selected were evaluated, based on the following criteria which are, listed in terms of importance in the decision making process.

- Effectiveness and protection of public health and the environment
- Cost of alternative
- Technology availability and ease of application
- Ease of permitting and agency acceptance
- Time to apply
- Potential future liabilities associated with executing the alternative

APCI requested that in addition to this criteria, special consideration be given on a remedial technology's cost, time frame to implement, regulatory acceptance, technical feasibility, and future potential liability. Table 8.2, below, summarizes these criteria for each remedial alternative.

TABLE 8.2
REMEDIAL ALTERNATIVE CRITERIA

REMEDIAL ALTERNATIVE	COST 1,000,000's	TIME* FRAME	REGULATORY ACCEPTANCE	FEASIBILITY	LIABILITY POTENTIAL
No Action	.05	NA	Not Accepted	Not Feasible	Deed Restriction
Land Disposal	21.5	3-4 Month(s)	Acceptable	Feasible	Future Liability
Thermal Destruction	27.3	10-12 Month(s)	Not Likely	Not Feasible	Air Discharge
Soil Washing	9.0	10-12 Month(s)	Acceptable	Acceptable	Water Treatment
Bio-remediation	3.7	2-3 Year(s)	Acceptable	Not Feasible	Air Discharge
In-Situ Vapor Extraction	1.8	1-2 Year(s)	Acceptable	Feasible	NA
Recycling	5.4	3-4 Month(s)	Acceptable	Feasible	NA

* - Time frame approximated for implementation including permitting

NA - Not Applicable

8.3 Remedial Alternatives

The following is a list of remedial alternatives and associated approximate costs as evaluated for the APCI site. These remedial alternatives are based on the worst case scenario for the site. They may be substantially lessened after regulatory review. Prices listed in each of the options are estimated and/or average prices per ton, assuming 35,000 cubic yards (52,500 tons) of contaminated soil are present at the site. Total prices quoted include over-run contingencies and administrative costs. Some of the prices listed are based on current disposal and/or recycling facility fees. Other prices are based on the Hazardous Materials Treatment Technologies Manual (HMTT) prepared by the Federal EPA and dated February 9, 1989.

8.3.1 No Action

No Action involves leaving contaminated soil in place and is the least costly. No Action can achieve compliance with the guidelines listed, if a risk assessment is performed and shows that by leaving the material in place there is no endangerment to public health and the environment. The associated costs are administrative costs estimated at $50,000. This option will involve future deed restrictions for the property, if accepted by the appropriate regulatory agency.

8.3.2 Land Disposal

This alternative was widely used in the past to remediate contaminated soil similar to those present at the APCI site. However, lack of suitable, properly designed landfill space for this waste makes this alternative less attractive. In addition, this alternative is merely a storage alternative and not a final destruction of the waste. The alternative will involve excavating and off-site disposal of all contaminated soil. Cost for land disposal of the contaminated soil, including all site activities, excavation and disposal taxes will be approximately $21.5 million.

This cost includes segregating the contaminated soil, backfilling and restoration. This cost is based on tons of actual contaminated soil above goal levels listed in Table 9-1. Cost is based on approximately $100 per ton for disposal at the Chem Waste Class I facility, plus a $10 per ton Kings County Tax, and approximately $33 per ton for transportation, excavation and restoration is based on $20 per ton. In addition, a state tax, currently $102 per ton, is included in the estimate. Permitting for this alternative is relatively easier than other alternatives.

8.3.3 Thermal Destruction

This is a very effective solution that completely destroys contaminants by burning them.

Incineration can either be high temperature, which completely burns the media, including the contamination present, or low temperature that burns waste contaminants with low burning temperature and preserves the media.

The permitting requirements for this alternative are very extensive and include conducting burn tests to determine the applicability and effectiveness of the alternative for the site specific waste. The solution is time extensive, mainly due to the permitting process. The incineration is also equipment intensive. In addition, fly ash as well as off-gas emissions, will require further treatment prior to final disposal. This alternative involves excavation of the contaminated soil for either on-site or off-site incineration.

Costs including excavation, segregation of contaminated soil and backfilling, and site restoration will be in the excess of $27.3 million. This estimate is based on $20 per ton to excavate and restore the site, plus an estimated cost of $500 per ton to permit and thermally destruct of waste. These costs are based on USEPA Hazardous Material Treatment Technologies, issued February 9, 1989 (HMTT).

8.3.4 Soil Washing

Soil washing is also a very effective alternative. However, soil washing transmits contaminants from soil to water and chemical solution mix. This mix requires further treatment prior to final disposal. Soil washing is both time and equipment intensive, requires extensive testing to produce optimum water-chemical mix, and requires extensive permitting. The alternative involves excavation and removal of contaminated soil for on-site washing.

The cost of soil washing, including excavation segregation, washing, backfilling and site restoration is approximately $9.0 million. This is based on a cost estimate of $150 per ton and $20 per ton to excavate and restore. In addition, soil washing costs $.50 per gallon to treat generated waste water.

8.3.5 Bio-remediation

Bio-remediation is a very effective alternative when dealing with petroleum hydrocarbon related contaminants. The alternative is effective, environmentally safe, readily available and easily applied. However, bio-remediation is a time extensive solution and may take weeks, and sometimes months to apply. In addition, bio-remediation requires optimum environmental conditions to be highly effective.
This alternative will involve the excavation of the contaminated soil for on-site treatment.

Bio-remediation involves excavating and spreading the contaminated soil in lifts up to 18 inches deep. Because of the presence of highly volatile organic compounds, this alternative will require extensive permitting from the South Coast Air Quality Management District (SCAQMD) and will require extensive monitoring and sampling program implementation.

Costs for this alternative are approximately $3.7 million. This is based on $50 per ton, plus $20 per ton for excavation and restoration.

8.3.6 Soil Vapor Extraction

The application of Soil Vapor Extraction (SVE) technology to the remediation of soils contaminated with petroleum hydrocarbons and volatile organic compounds is gaining wide acceptance. The alternative involves installing a series of vapor extraction wells, and applying vacuum pressure to them. The contaminant vapor is drawn off and either burned in a portable incinerator (oxidizer) or passed through a carbon absorption system.

This alternative is effective, environmentally safe, readily available, and easily applied. However, SVE is a time extensive solution and may take weeks, and sometimes months to be effective.

The incineration will be high temperature, which completely burns the vapors. Carbon absorption causes the vapors to be passed through a filter media. However, incineration is the preferred alternative over carbon absorption because of the replacement costs of the filter media. The incinerator may be used at another site after all of the contaminants have been removed from the soil. The permitting requirements for this alternative are easily obtainable. The incineration is also equipment intensive and requires weekly maintenance and monthly air sampling.

Soil Vapor Extraction is the least costly of the remedial alternative. No excavation of the soil is required. The cost for Soil Vapor Extraction and site restoration is approximately $1.8 million. This cost is based on purchasing a system for approximately $200,000 (including oxidizer). System installation, vapor extraction well installation, monthly sampling, operation and maintenance, and utilities is approximated at $30 per ton.

8.3.7 Recycling

This alternative is a very effective solution that reuses the contaminated soil by making the soil into asphalt. There are no permitting requirements for this alternative. Acceptance by the recycling facility is a prerequisite. There is no long term liability with recycling. This alternative involves excavation of the contaminated soil, and transportation to the recycling facility.

Costs including excavation, transportation, recycling costs, backfilling, and site restoration are estimated to be $5.4 million. This alternative can be used only after the highly volatile organic vapors have been removed from the soil.

8.4 Recommended Remedial Methods

IT recommends that in-situ soil vapor extraction and recycling be the remedial method utilized at the site. The following are reasons for selecting these remedial methods:

8.4.1 Soil Vapor Extraction

- As a result of the highly volatile components at the site, SCAQMD will not allow removal of the soil without removing or preventing the escape of the volatiles to the atmosphere, soil vapor extraction (SVE) can remove the most volatile contaminants.
- SVE is a proven technology in remediation of Petroleum Hydrocarbon contamination.
- SVE is very effective on the type of waste present, can be applied safely, and will provide maximum protection to public health and environment.
- SVE is the least costly alternative for the removal of the volatile organic compounds.
- The technology is simple, and the equipment is readily available.

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- SVE is very effective on the type of waste present, can be applied safely, and will provide maximum protection to public health and environment.
- SVE is the least costly alternative for the removal of the volatile organic compounds.
- The technology is simple, and the equipment is readily available.

- SVE is widely used and easily permitted.
- Minimum potential for future liability.
- Site lithology (i.e., soil permeability) will facilitate the use of SVE.
- Regulatory cleanup guidelines for the volatile organics can be achieved through SVE.
- The extent of contamination can be feasibly remediated by SVE.
- Time of cleanup remediation can be accomplished between 6 to 18 months.

8.4.2 Recycling

- This alternative is very effective on the type of waste present, can be applied safely, and will provide maximum protection to public health and environment.
- There is no long term liability associated with recycling.
- Time of removal can be accomplished in approximately two months after removal of volatile organics.
- Vertical and horizontal extent of contamination can be feasibly remediated.
- Permitting is minimal, versus the other alternatives.

8.5 Applicable Requirements

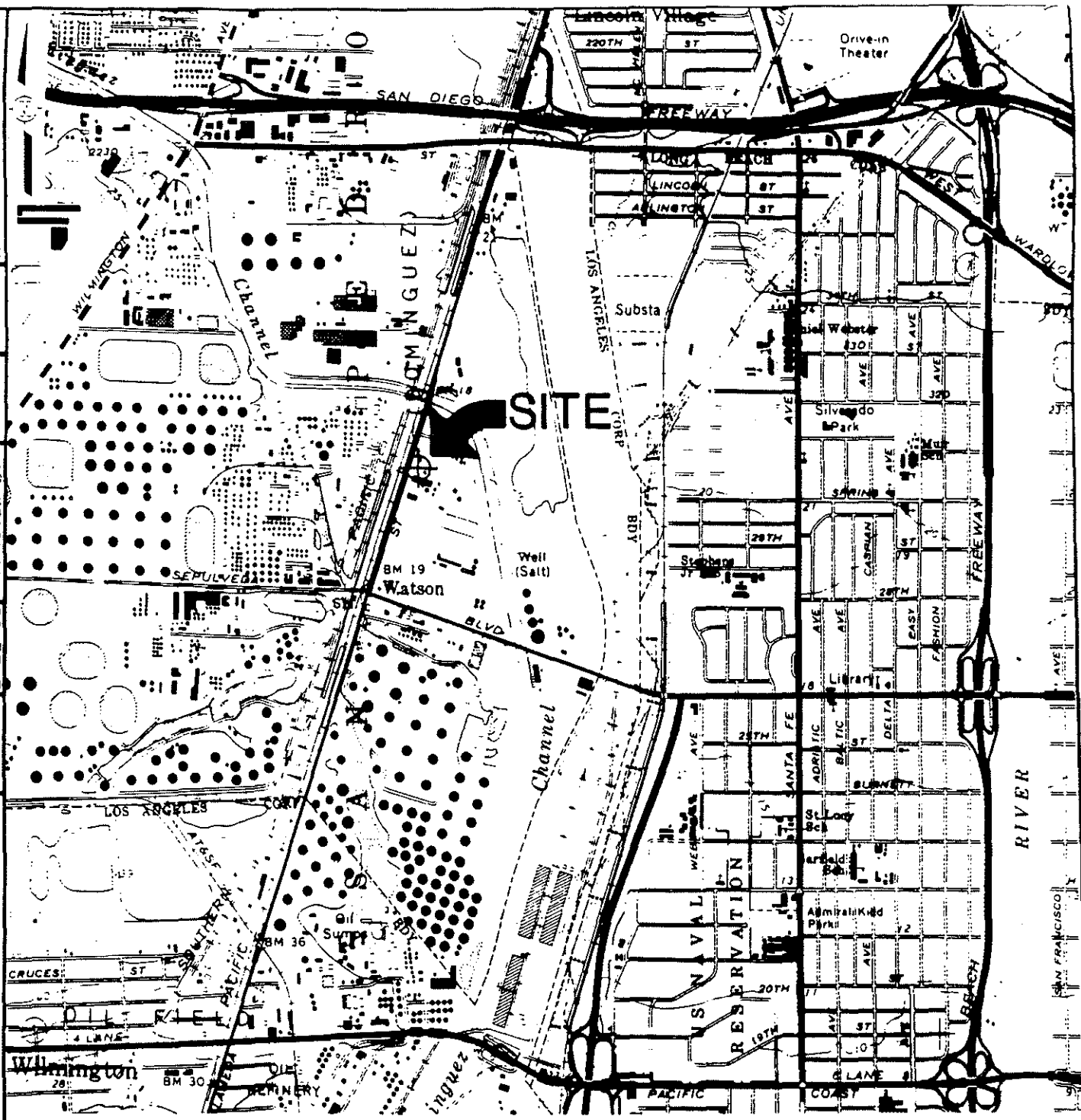
This section identifies applicable regulatory requirements as they relate to the selected alternatives. The final chosen contractor will contact the listed appropriate agencies to obtain any necessary permits and/or variances to implement this alternative.

TABLE 8.3
AGENCIES AND REQUIREMENTS

AGENCY	POSSIBLE REQUIREMENT
County of Los Angeles Department of Public Works	Overall Necessary Project Approval
Los Angeles Regional Water Quality Control Board	Waste Discharge Requirement Cleanup Goal Acceptance
South Coast Air Quality Management District	Air Emissions Permit/Equipment Permits
California Department of Toxic Substance Control	Compliance with Permit by Rule Requirements
City of Carson	Local and Building Permits

8.6 Application of Alternative/Site Control

A Remedial Action Work Plan will have to be submitted prior to remediation, describing the application of the selected alternatives to the Air Products site.



SCALE

0 2000 4000 FEET

FIGURE 1

SITE LOCATION MAP

INDUSTRIAL GAS PLANT
23320 SOUTH ALAMEDA STREET
CARSON, CALIFORNIA

REFERENCE :

USGS 7.5 MINUTE TOPOGRAPHIC MAP
OF LONG BEACH, CALIFORNIA QUADRANGLE
DATED : 1964 ; PHOTOREVISED : 1981
SCALE : 1:24,000

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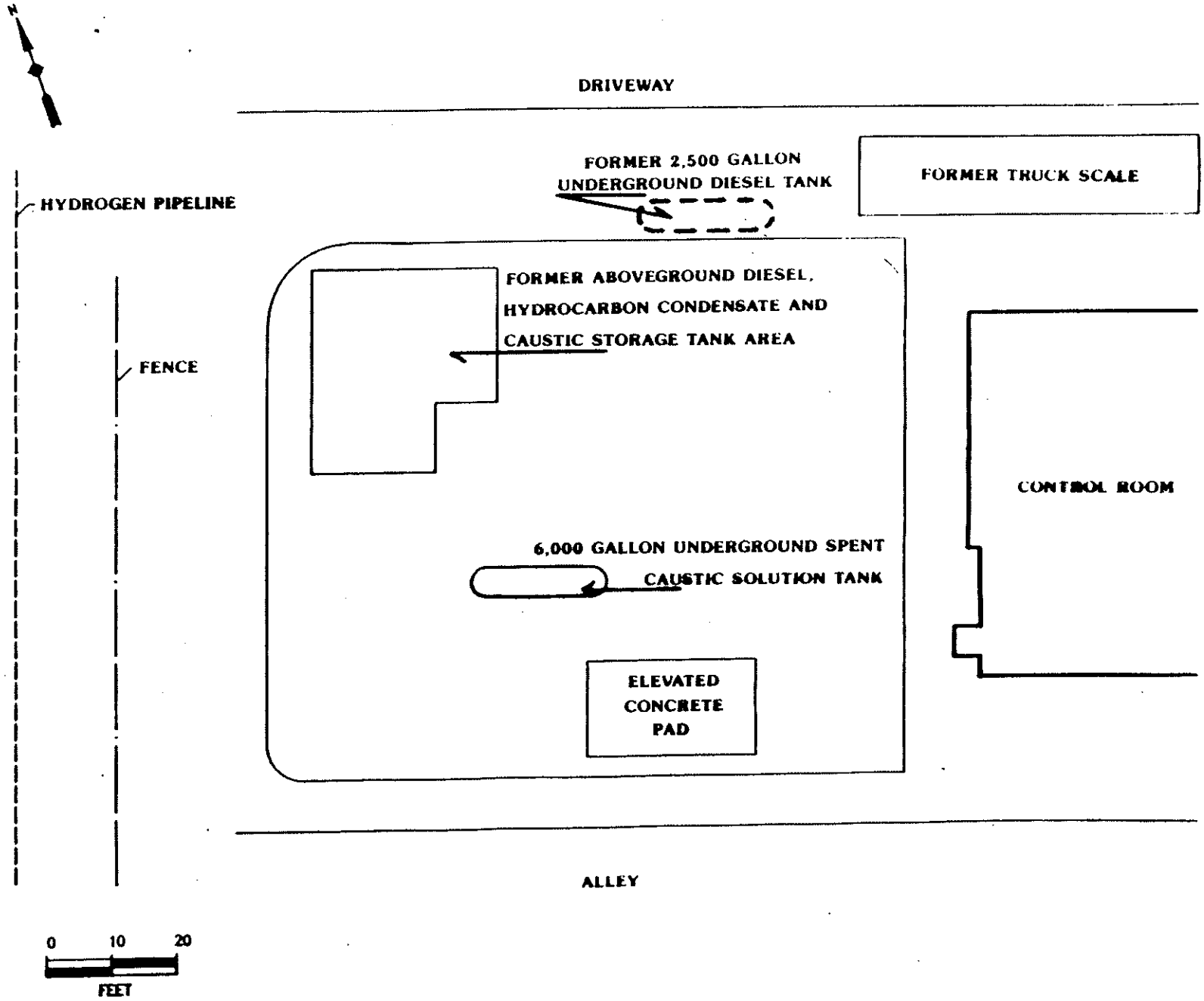
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FIGURE 2
SITE MAP
HYDROGEN PLANT PURIFICATION AREA



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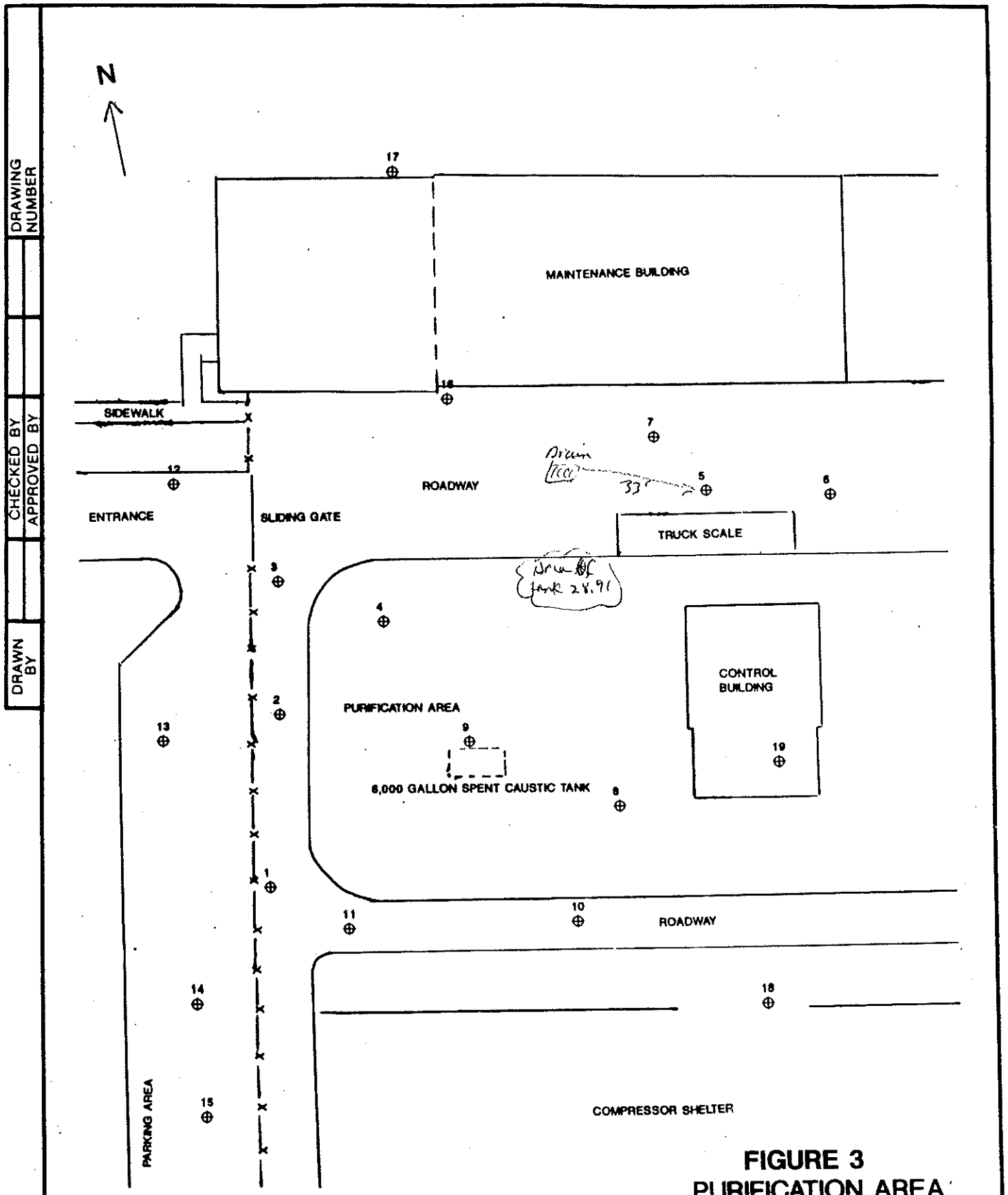


FIGURE 3
PURIFICATION AREA BOREHOLE LOCATIONS

LEGEND

BOREHOLE LOCATION ⊕ 9

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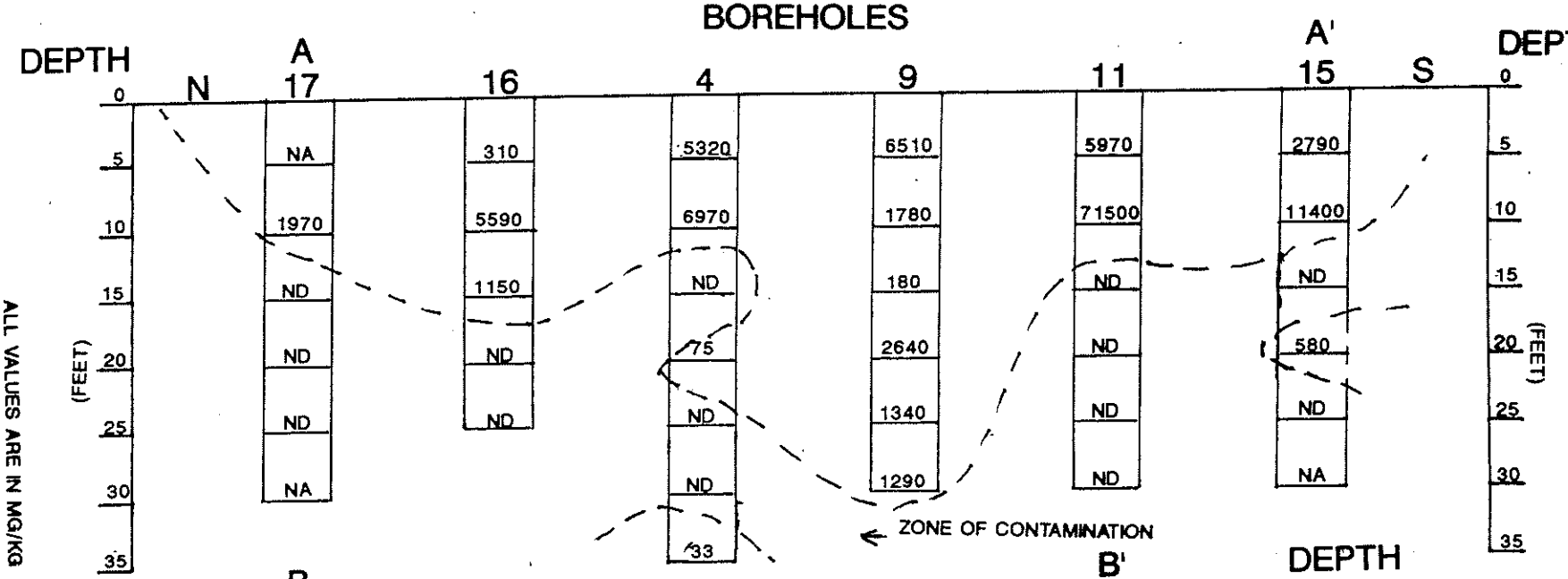
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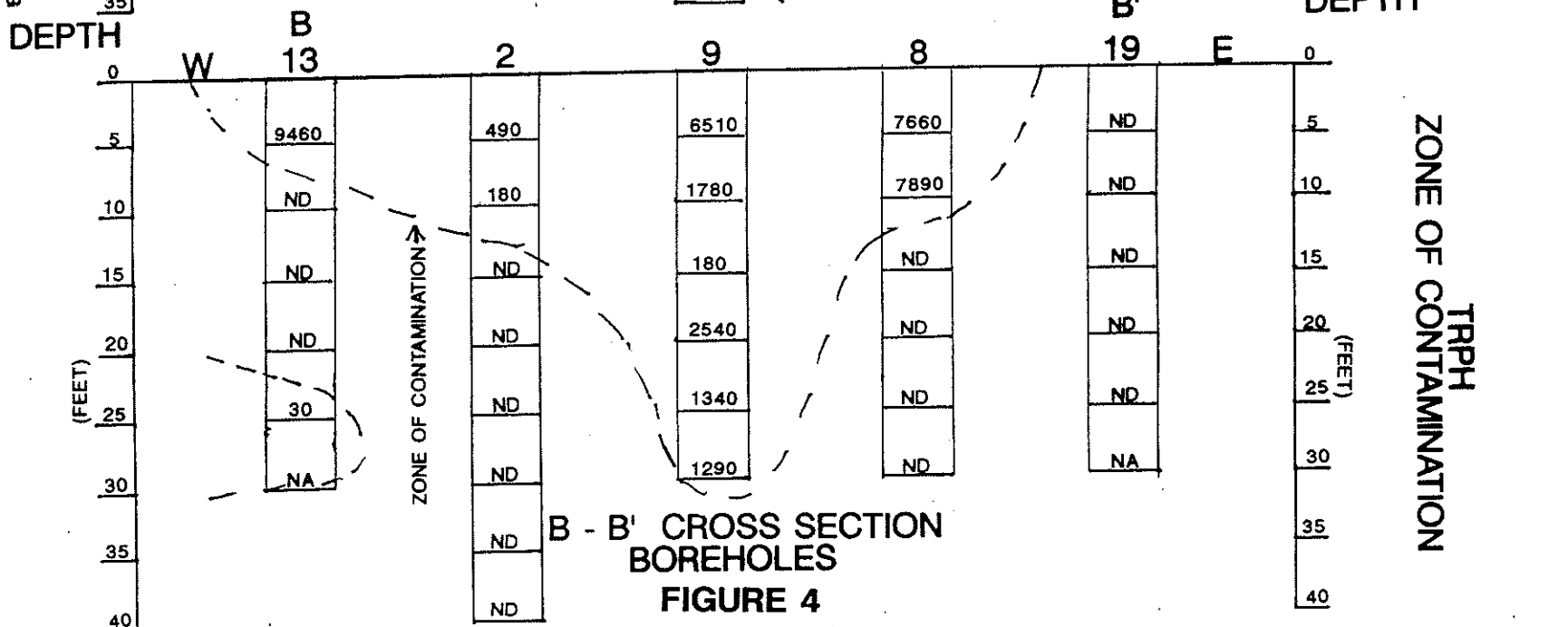
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A - A' CROSS SECTION BOREHOLES





ALL VALUES ARE IN MG/KG
MG/KG = MILLIGRAMS PER KILOGRAM
ND = NOT DETECTED
NA = NOT ANALYZED

. . . Creating a Safer Tomorrow

B - B' CROSS SECTION BOREHOLES

FIGURE 4

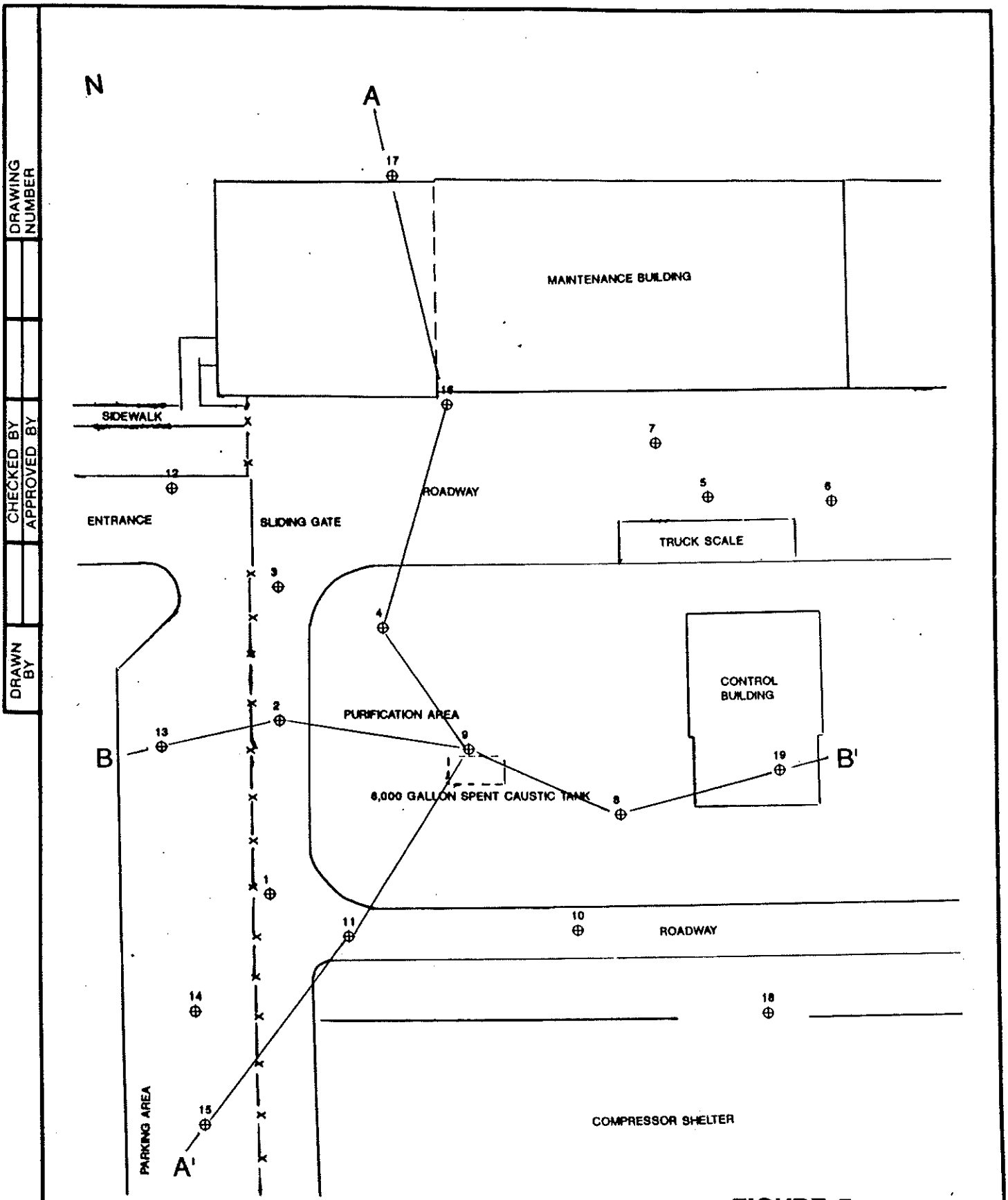


FIGURE 5
CROSS SECTION MAP

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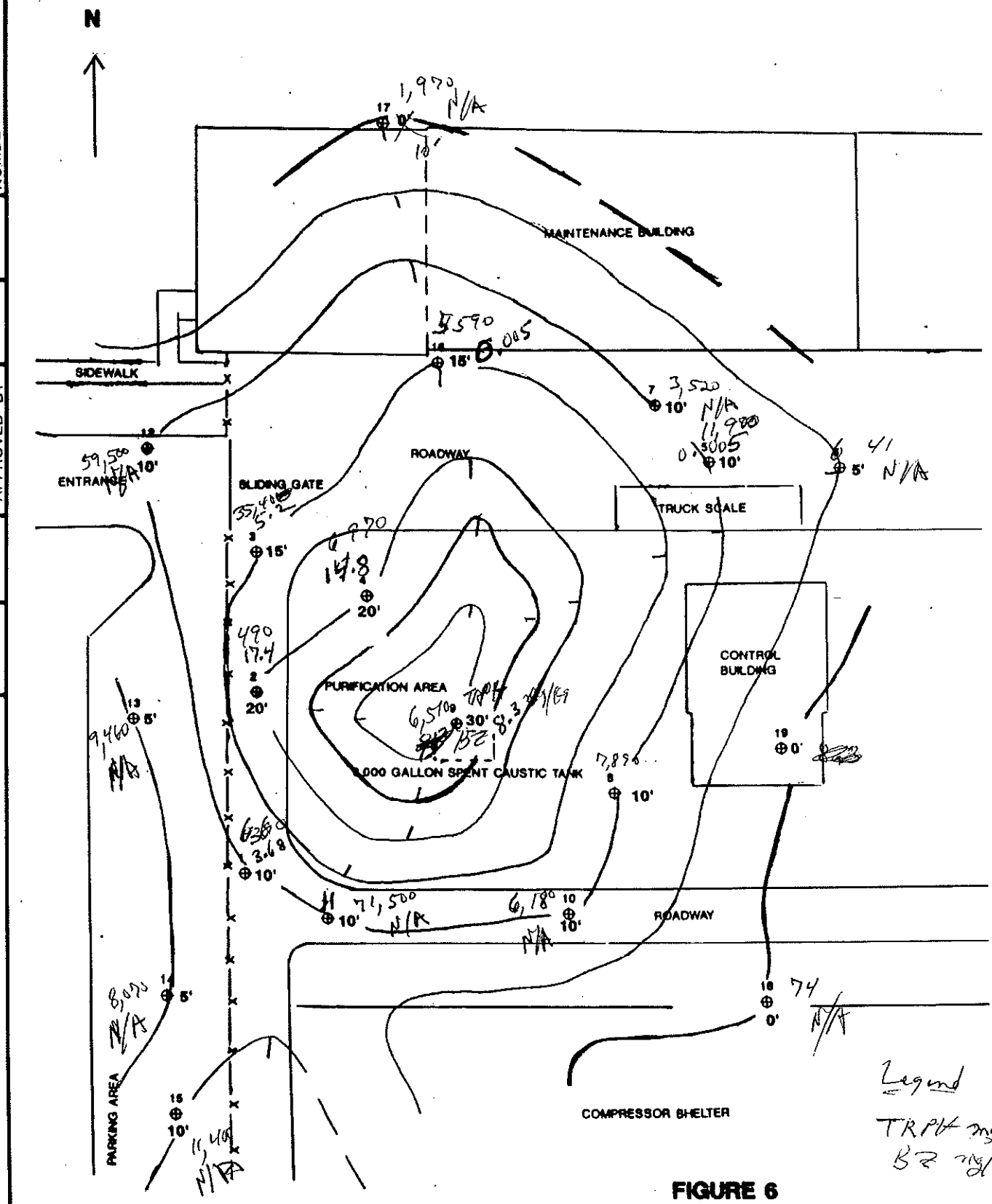


FIGURE 6
CONTAMINATED ZONE CONTOUR INTERVAL MAP

LEGEND

5' - CONTOUR INTERVAL FROM SURFACE ELEVATION

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REGION IX
LOS ANGELES REGION

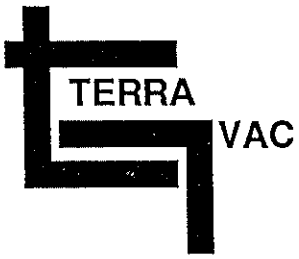
Closure Soil Borings
Drilling and Sampling Plan
Air Products Manufacturing Corporation
23320 South Alameda Street
Carson, California

Prepared for:

Robert Swigart
Air Products Chemicals Inc.
7201 Hamilton Boulevard
Allentown, Pennsylvania 18195-1501

Prepared by:





Terra Vac
17821 Mitchell Avenue
Irvine, California 92614
(714) 252-8900

February 27, 1997

Bretton Trowbridge P.E.
Western Regional Manager

Stephen Mutch
Project Manager

INTRODUCTION

Air Products Manufacturing Corporation formerly operated a hydrogen manufacturing facility located at 23320 South Alameda Street, in the City of Carson, California. An in-situ soil vapor extraction system has been in operation at this site for approximately 18 months. A site location map is included as Figure 1.

On December 9 and 10, 1996, Terra Vac drilled five closure soil borings (CB-1, CB-2, CB-3, CB-4, and CB-5), in locations as shown on Figure 2, according to the Regional Water Quality Control Board (RWQCB) approved Work Plan (Terra Vac, October, 1996). The soil borings were initiated with a hand auger and widened with a post hole digger for the first five feet to avoid hitting underground utilities with the hollow stem auger. Soil samples were obtained with a split spoon sampler every five feet to a maximum depth of 35.5 feet; a total of six samples were collected from each soil boring. A total of 15 representative samples (three from each boring) were analyzed.

Samples were analyzed to determine concentrations of diesel, gasoline, and benzene, toluene, ethylbenzene, and xylenes (BTEX). Modified EPA Method 8015 (total petroleum hydrocarbons [TPH] diesel) detects long chain hydrocarbons between C8 and C30 and EPA Method 8015 (TPH gasoline) detects shorter chain hydrocarbons between C6 and C12. Samples were analyzed by EPA Method 8020 for benzene, toluene, ethylbenzene and xylenes (BTEX).

SITE GEOLOGY

The site is located in the Dominguez Gap within the southern portion of the Central Section of the Los Angeles Basin. Soils in this portion of the Basin are mainly comprised of recent soil formations made up of clays, silts and sands that extend to the groundwater formation (IT Corporation, 1988). The site currently has a relatively flat grade covered with asphalt and concrete.

SITE HYDROGEOLOGY

Perched groundwater zones were encountered at approximately 5 to 10 feet and at 25 to 30 feet below grade at borings located within the areas of former tank excavations (CB-1, CB-3, CB-4, and CB-5). These borings revealed backfill consisting of clayey material in the upper zones, which thereby retained groundwater due to surface infiltration from recent rains. Perched groundwater was encountered at the transition from sand to clay at 15 to 16 feet below grade in CB-2. The permanent groundwater table is estimated to be 60 to 65 feet below the surface and would correspond to the Gage Aquifer, a major hydro-stratigraphic unit in the basin. Groundwater flow in the Gage Aquifer in the vicinity of the site flows generally in a westerly direction. No known municipal use exists for the groundwater below this site (IT Corporation, 1988).

SOIL BORING LOCATIONS

The closure soil boring locations were chosen to be representative of the remediated area and the locations of former aboveground and underground hydrocarbon storage tanks. As requested by the Regional Water Quality Control Board (RWQCB), soil borings were placed near the location of the former underground diesel tank (CB-4) and former underground spent caustic solution tank (CB-5). The locations of the five closure borings are shown on Figure 2.

DRILLING ACTIVITES

The drilling and sampling procedures used at this site followed Terra Vac Standard Operating Procedures and current industry practices to ensure quality control and quality assurance. The five soil borings were drilled using a drill hollow stem auger drill rig equipped with 4 inch outside diameter, continuous flight hollow stem augers. Decontamination buckets and brushes were used for decontamination of the split spoon sampler and sampling sleeves in between sampling depths.

The soil and decontamination water generated during the sampling have been containerized in 55 gallon drums and will be properly disposed.

Upon completion of drilling and sampling, the soil borings were backfilled to grade surface with bentonite/cement grout and capped with asphalt. A copy of the soil boring logs has been included in Appendix A.

Sample Collection

Soil samples were collected with a California modified split spoon sampler at five foot intervals beginning at the five (5) foot depth in each boring. The drilling subcontractor provided brass sample liners for collection of soil samples from the split spoon sampler. Each split spoon sample was lined with three (3) sample liners which were used as follows:

- The bottom most soil sample sleeve from each split spoon sampler was collected for chemical analysis. The ends of each sleeve was covered with a plastic end cap and placed in a cooler with blue ice for transportation the laboratory.
- The middle soil sample sleeve was intended to be used for field screening with the OVM by Terra Vac. However, heavy rains during closure boring drilling prevented OVM readings to be taken from most of the borings. Sample screening for subsequent lab analysis was based on soil appearance (i.e. discoloration, apparent hydrocarbon odor).
- The top sample sleeve was used for characterization and logged on a boring log form by Terra Vac's Geologist.

Chemical Analysis

A total of 15 soil samples were submitted to a California certified laboratory. The samples were selected for analyses based on the OVM readings, visual appearance and location. Samples were selected to asses the vertical and lateral distribution of hydrocarbon contamination across the project area.

The soil samples were analyzed by Modified EPA Method 8015 for TPH diesel and TPH gasoline, and by EPA Method 8020 for BTEX. A copy of the analytical reports have been included in Appendix B.

EPA Method 8015 TPH Diesel Fuel Results

In closure boring CB-1, the TPH diesel fuel concentrations were 1,000 mg/Kg at 11 feet below grade, not detected at 21 feet below grade, and 53 mg/Kg at 30 feet below grade.

TPH diesel was not detected in CB-2 at all depths (5.5, 15.5, and 25.5 feet below grade).

The soil sample from CB-3 had TPH diesel concentrations of 2,300 mg/Kg at 6 feet below grade, not detected at 16 feet below grade, and 110 mg/Kg at 20.5 below grade.

TPH diesel was not detected in CB-4 at all depths (10.5, 20.5, and 30.5 feet below grade).

The soil samples from CB-5 had TPH-diesel fuel concentrations of 490 mg/Kg at 15.5 feet below grade, 110 mg/Kg at 20.5 feet below grade, and 2,100 mg/Kg at 35.5 feet below grade.

EPA Method 8015 TPH Gasoline Results

In closure boring CB-1, the TPH gasoline concentrations were 2.5 mg/Kg at 11 feet below grade, not detected at 21 feet below grade, and 0.79 mg/Kg at 30 feet below grade.

TPH gasoline was not detected in CB-2 at all depths (5.5, 15.5, and 25.5 feet below grade).

Soil samples from CB-3 had a TPH gasoline concentration of 1.7 mg/Kg at 6 feet below grade, and not detected at 16 and 20.5 feet below grade.

TPH gasoline was not detected in CB-4 at all depths (5.5, 15.5, and 25.5 feet below grade).

Soil samples from CB-5 had a TPH gasoline concentration of 1,700 mg/Kg at 15.5 feet below grade, not detected at 20.5 feet below grade, and 8,600 mg/Kg at 35.5 feet below grade

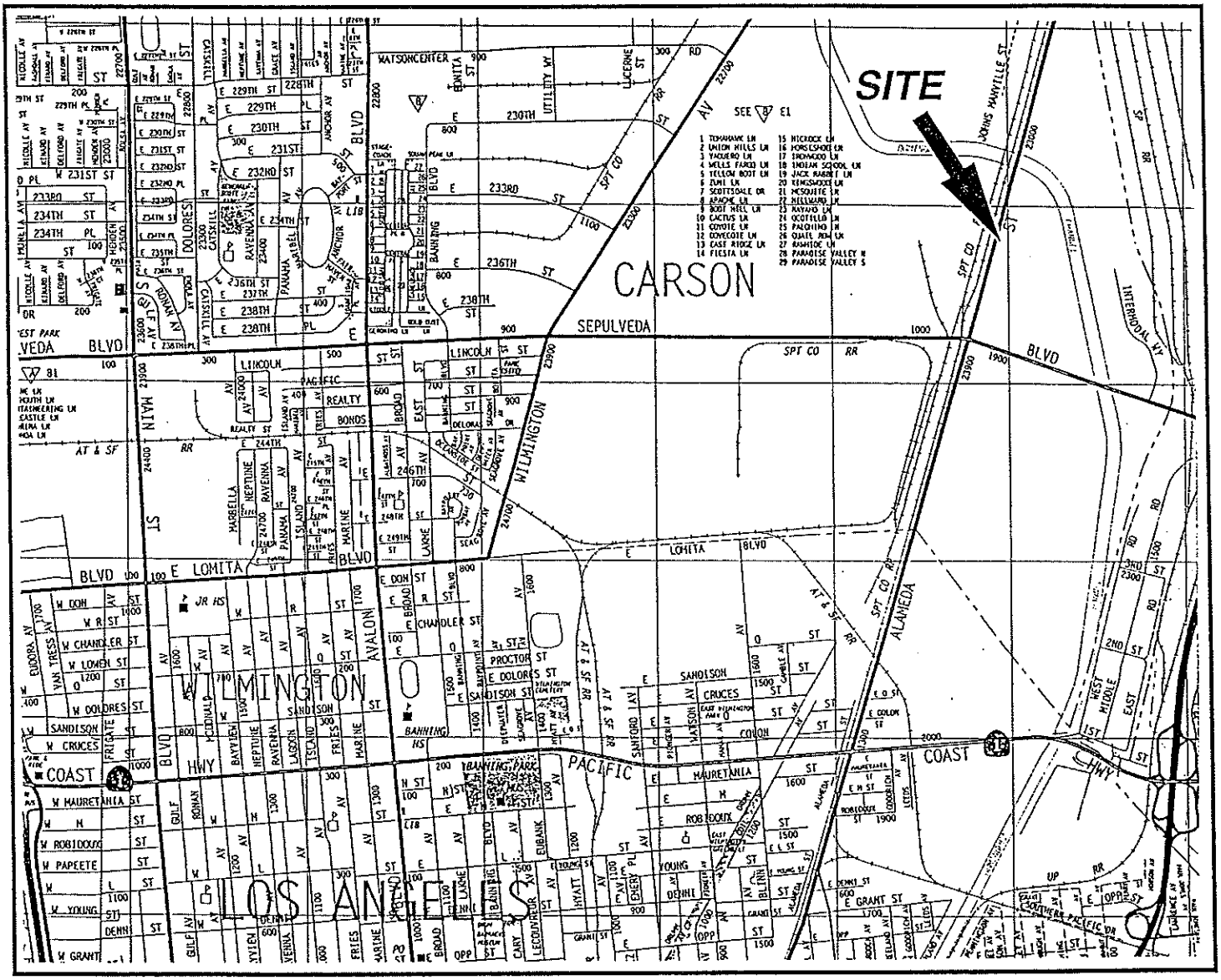
EPA Method 8020 (BTEX) Results

The soil samples from CB-1 had concentrations of 43 µg/Kg benzene, 120 µg/Kg toluene, 29 µg/Kg ethylbenzene, and 130 µg/Kg total xylenes at 11 feet below grade; not detected at 21

RECOMENDATIONS

The site should be considered for closure. All of the soil samples analyzed had non detect or low concentrations of contamination. In the area of CB-5 at 15.5 and 35.5 feet below grade, the dense clay zones less affected by the soil vapor extraction system as the rest on the site. This is caused by the characteristic low permeability of clay materials and a plastic liner installed in the excavation after the former caustic tank was removed.

The tightness of the clay and this plastic liner will reduce or eliminate the migration of the remaining BTEX and TPH compounds. The remaining contamination will also continue to degrade through natural biodegradation.



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N

TERRA VAC

Project No.	31-0244
Date	2/28/97
Scale	
Revision	

FIGURE 1 VICINITY MAP

AIR PRODUCTS
23320 South Alameda Street
Carson, California

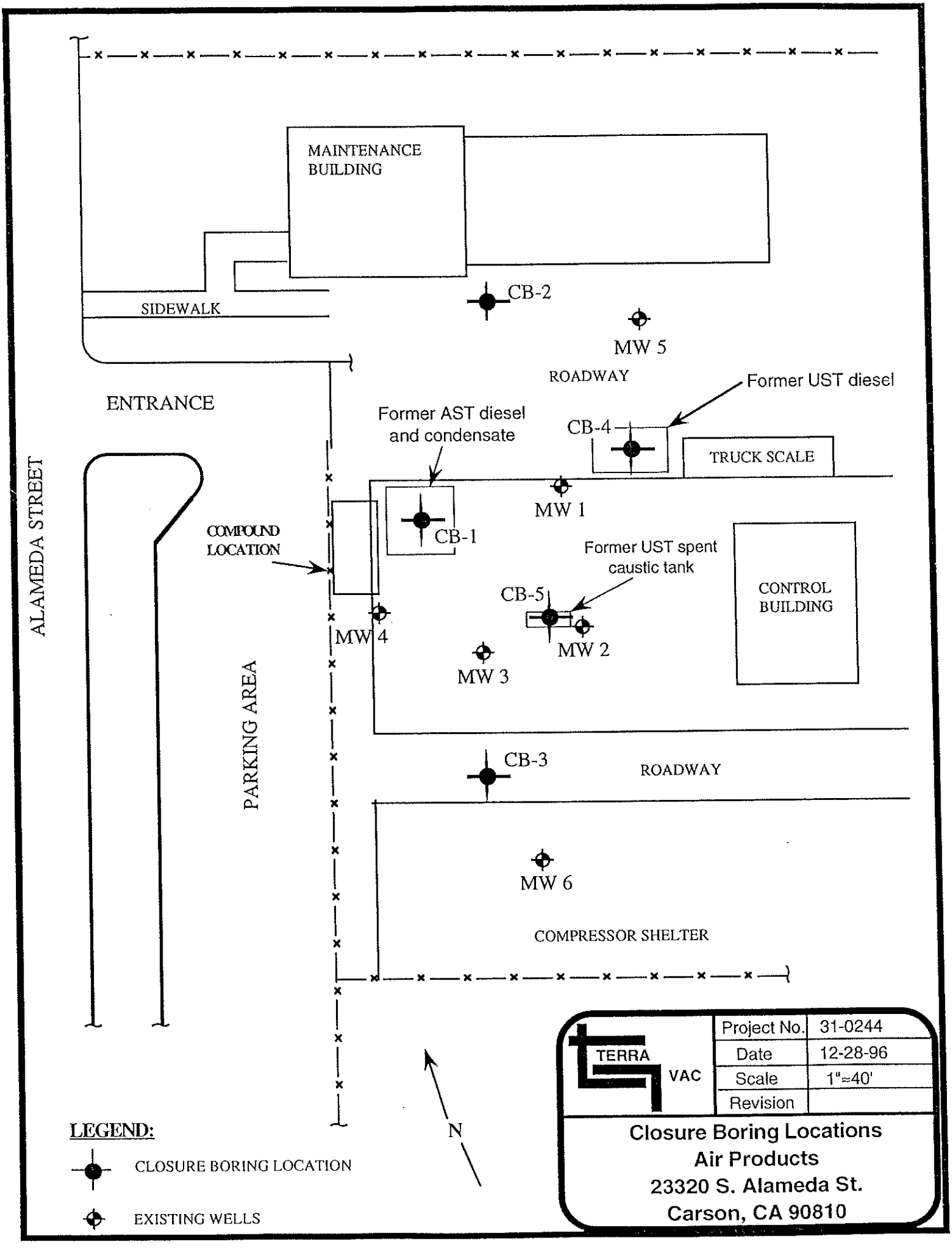

MAINTENANCE BUILDING
CB-2
SIDEWALK
MW 5
ROADWAY
ENTRANCE
Former UST diesel
Former AST diesel and condensate
CB-4
TRUCK SCALE
ALAMEDA STREET
MW 1
CB-1
COMPOUND LOCATION
Former UST spent caustic tank
CB-5
CONTROL BUILDING
MW 4
MW 2
MW 3
PARKING AREA
CB-3
ROADWAY
MW 6
COMPRESSOR SHELTER
N
LEGEND:
CLOSURE BORING LOCATION
EXISTING WELLS
TERRA VAC
Project No. 31-0244
Date 12-28-96
Scale 1"≈40'
Revision
Closure Boring Locations
Air Products
23320 S. Alameda St.
Carson, CA 90810

TABLE 1
Soil Results
Air Products Facility
December, 1996

Sample Date	12/9/96	12/9/96	12/9/96	12/10/96	12/10/96	12/10/96
Soil Boring	CB-1	CB-1	CB-1	CB-2	CB-2	CB-2
Sample Depth (Feet)	11	21	30	5.5	15.5	25.5
Analytes						
EPA METHOD 8020 BTEX						
Benzene µg/Kg	43	ND	200	ND	ND	ND
Toluene µg/Kg	120	ND	7.6	ND	ND	ND
Ethylbenzene µg/Kg	29	ND	18	ND	ND	ND
Total Xylenes µg/Kg	130	ND	29	ND	ND	ND
EPA METHOD 8015						
TPH Gasoline mg/Kg	2.5	ND	0.79	ND	ND	ND
TPH Diesel Fuel mg/Kg	1000.0	ND	53.0	ND	ND	ND

Sample Date	12/9/96	12/9/96	12/9/96	12/10/96	12/10/96	12/10/96
Soil Boring	CB-3	CB-3	CB-3	CB-4	CB-4	CB-4
Sample Depth (Feet)	6	16	20.5	10.5	20.5	30.5
Analytes						
EPA METHOD 8020 BTEX						
Benzene µg/Kg	97	ND	19	ND	ND	ND
Toluene µg/Kg	16	ND	11	ND	ND	ND
Ethylbenzene µg/Kg	31	ND	ND	ND	ND	ND
Total Xylenes µg/Kg	85	ND	ND	ND	ND	ND
EPA METHOD 8015						
TPH Gasoline mg/Kg	1.7	ND	ND	ND	ND	ND
TPH Diesel Fuel mg/Kg	2300.0	ND	110.0	ND	ND	ND

Sample Date	12/9/96	12/9/96	12/9/96
Soil Boring	CB-5	CB-5	CB-5
Sample Depth (Feet)	15.5	20.5	35.5
Analytes			
EPA METHOD 8020 BTEX			
Benzene µg/Kg	87000	ND	180000
Toluene µg/Kg	160000	ND	350000
Ethylbenzene µg/Kg	16000	ND	63000
Total Xylenes µg/Kg	86000	ND	280000
EPA METHOD 8015			
TPH Gasoline mg/Kg	1700	ND	8600
TPH Diesel Fuel mg/Kg	490	110	2100

Long Beach

cc: E.C. Thompson

INTERNATIONAL TECHNOLOGY CORPORATION

August 27, 1987

Project No. 202107-04

RECEIVED
SEP 03 1987
IGD ADMIN.

Mr. Blair D. Burgess
Civil Engineering Assistant (213) 226-4111
Los Angeles County
Department of Public Works
2250 Alcazar Street
P. O. Box 4089, Terminal Annex
Los Angeles, California 90051

Tank Closure Report
Air Products and Chemicals, Inc.
Carson, California

Dear Mr. Burgess:

The following letter report describes activities conducted by IT Corporation (IT) during the removal of four underground storage tanks. The tanks formerly were located at the Air Products and Chemicals, Inc. (APCI) facility located at 23320 South Alameda Street in Carson, Los Angeles County, California.

BACKGROUND

The APCI Carson facility had four underground storage tanks to be removed. They are as follows:

Tank #	Identification	Volume (Gal.)	Contents
LD-IGD-2	8807	12,000	Diesel Fuel
LB-IGD-1	E-67364	3,000	Gasoline
28.5	E-36350	2,000	Waste Oil
28.91	26076	2,500	Diesel Fuel

The tanks' former locations are illustrated in Figure 1.

FIELD INVESTIGATION

Tank Cleaning

On August 4, 1987, IT triple-rinsed the interior of the four tanks with a pressure washer to remove any hydrocarbon residues. Using a vacuum truck, approximately 1300 gallons of wash water were removed from the tanks and transported under hazardous waste manifest #87086134 to Petroleum Recycling, Inc. located in Signal Hill, California. Mr. Daniel F. O'Connell of APCI signed the manifest and retained the generator's copies.

Inspector Ray Williams of the Los Angeles County Fire Prevention Division supervised the testing of all the tanks with a GX-3 meter prior to the removal operation. All tanks were properly inerted with 15 pounds of dry ice per 1000 gallons.

Tank Removal

IT excavated and removed the four underground storage tanks on August 4, 1987. No visible indication of leakage nor obvious holes in the steel tanks were noted with tanks LD-IGD-1, LB-IGD-2, and 28.5. What appeared to be petroleum contamination was observed below and on all four sides of the excavation for Tank 28.91. The tanks were transported as a non hazardous waste to American Metal Recycling, Inc. in Ontario, California. The certificate of destruction is attached.

Soil Sampling

Under the direction of Ms. Bonnie M. Keolian, Industrial Waste Engineering Inspector for Los Angeles County Department of Public Works, and per Closure Permit No. 3036 B File No. I-5385-22, a total of eight soil samples were obtained from a depth of two feet below the invert of the tanks. The samples were designated #1 through #8. The locations of the samples are detailed in Figures 2 and 3.

Soil from the designated areas was removed using a backhoe bucket. Grab samples were collected from the backhoe bucket using a hand trowel and placed in 16 ounce jars with Teflon septums. The jars were sealed, labeled, entered into the IT Chain-of-Custody, and immediately placed on ice to prevent volatilization until delivery to the laboratory.

LABORATORY TESTING

Soil samples were analyzed by IT Analytical Services Laboratory of Cerritos, California, for total petroleum hydrocarbons (TPH) according to U.S. EPA Test Method 418.1 and 8015. The results of the sampling are summarized in Table 1. Copies of the Certificate of Analysis and the Chain-of-Custody records are enclosed.

CONCLUSIONS AND RECOMMENDATIONS

Summary

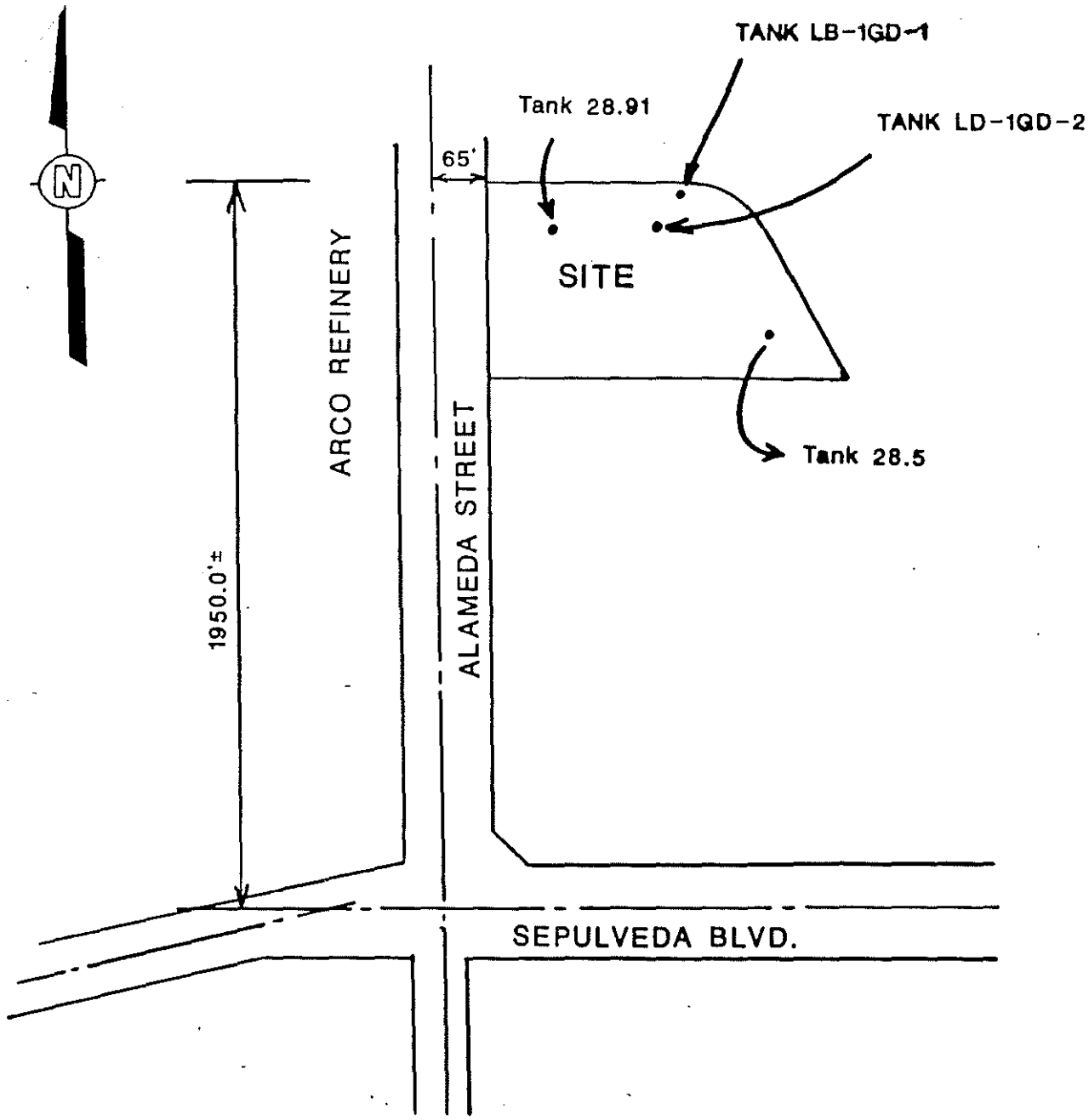
Based on the analytical results, IT concludes that TPH concentrations in soil samples collected from beneath gasoline tank LB-IGD-1 are below 100 ppm. Soil samples obtained from below tanks 28.5 and LD-IGD-2 contain concentrations of between 58 and 270 ppm. Although soil samples taken below the latter two tanks indicate minor soil contamination, no visible signs of contamination were noted in the field and the two tanks were intact. We believe the elevated TPH concentrations were due to over-spillage.

We acknowledge the fact that fairly high levels of petroleum contamination were found below Tank 28.91 and further investigation needs to be done to establish the limits of the plume.

Recommendations

It is our professional opinion that the following steps should be taken at the APCI facility:

- Backfill and compact the excavation for Tank LB-IGD-1
- Spread out and aerate the soil removed from the excavations of Tanks 28.5 and LD-IGD-2. In approximately two weeks, obtain composite samples of the previously contaminated material. If levels are below 100 ppm TPH, use the excavated material as backfill and compact. If analysis shows that levels are above 100 ppm, repeat the aeration process.
- Focus attention on the area surrounding the former location of Tank 28.91. (From a conversation with the Los Angeles Flood Control District, it is our understanding that the static water level in the vicinity of the site is approximately 45 feet). With a drill rig obtain soil samples at five foot intervals to establish the vertical extent of the contamination. The borings should be drilled to a depth of 40 feet or first encountered ground water.
- Using a series of borings, field instrumentation, and observation, establish the extent of the contaminated soil both horizontally and vertically.
- Although the area is congested with machinery and adjacent a working driveway, a few selected test pits may be dug to supplement the drilling operation.
- Evaluate and recommend the most prudent means of site remediation.



DRAWN BY
CHECKED BY
APPROVED BY
DR. NUMB.

Figure 1

Site Plan
Carson Facility
PREPARED FOR
Air Products and Chemicals, Inc.

IT ... Creating a Safer Tomorrow

123993

Do Not Scale This Drawing

Air Products and Chemicals, Inc.
7201 Hamilton Boulevard
Allentown, PA 18195-1501

Telephone (610) 481-4911

AIR PRODUCTS

27 February 1997

97 MAR -5 AM 10:35
LOS ANGELES REGION

Mr. Keith Elliot
RWQCB
Los Angeles Region
101 Centre Plaza Drive
Monterey Park, CA 91754-2156

Re: File No. 100.315
Air Products Manufacturing Corp., 23320 South Alameda St., Carson, CA

Dear Keith:

As requested in your 20 November 1996 letter, Air Products hereby provides the Regional Water Quality Control Board (the Board) with our closure investigation report for the above referenced former hydrogen manufacturing site. As you recall, Air Products operated a soil vapor extraction system (SVE) at this site from May 1995 to November 1996. Following a series of rebound tests, which showed no significant benefit to the continued operation of the SVE system, the Board granted Air Products permission to shut down the SVE system. Subsequently, Air Products' contractor, Terra Vac Inc., prepared a site closure investigation workplan which was approved by the RWQCB. According to the workplan, Air Products drilled five closure borings (CB-1 through CB-5) to an approximate depth of 30 feet below grade and conducted field organic vapor analyses (OVA) during each boring in order to identify any soils with remaining hydrocarbons. Described below is a summary of the five boring locations. Three soil samples from each boring were selected for laboratory analysis, based on the OVA screening, and each sample was analyzed for TPH Diesel, TPH Gasoline, and BTEX.

Closure boring CB-1 was situated where the former 10,000 gallon aboveground diesel and 10,000 gallon aboveground hydrocarbon condensate tanks were located. Closure boring CB-2 and closure boring CB-3 were situated in order to assess the effectiveness of the SVE system in a northerly and southerly direction respectively. Closure boring CB-4 was situated where the former 2,500 gallon underground diesel tank #28.91 was located and closure boring CB-5 was situated where the former 6,000 gallon underground spent caustic solution tank #28.70 was located.

To summarize the results of our closure boring investigation, two borings (CB-2 and CB-4) showed total elimination of hydrocarbons, two other borings (CB-1 and CB-3) showed a nearly total elimination of hydrocarbons, and one boring (CB-5) showed some hydrocarbons remaining. It appears that the overall effectiveness of the SVE system in removing hydrocarbons was good; however, this effectiveness varied somewhat within a closure boring and among closure boring areas. Air Products believes that the site conditions explained below are responsible for these variations in hydrocarbon removal effectiveness.

Based on the "none detected" readings at all levels in CB-2 and CB-4, it appears that the SVE system was completely effective in the northern area of the site where these borings were located. CB-4 was situated where the former underground tank #28.91 was located. The soil in the area surrounding these two closure boring locations appears to be uniformly sandy and porous to the extent that it was well suited to influence from the nearby vapor extraction wells. The SVE system was also very effective in the area where CB-1 and CB-3 were located; however, it was not quite as effective as the CB-2/CB-4 northern area. Air Products attributes this difference in effectiveness to clay layers present at two depths. Clay is less porous than other soil components and serves as a barrier for the downward movement of water from surface infiltration. The clay layers and perched water discovered in CB-1, CB-3, and CB-5 at approximately 5-10 feet and 25-35 feet below grade apparently prevented the SVE system from achieving a "none detected" level of hydrocarbon removal. The existence of the two clay/perched water layers also explains the clean, "none detected" layer of soil found between the two clay layers in CB-1, CB-3, and CB-5.

At 15 and 35 feet below grade, the CB-5 (former underground tank #28.70) location appears to have been less affected by the SVE system. This was quite puzzling at first, given that three vapor extraction wells had operated in close proximity of the CB-5 area. This may be related to two conditions. One is that our past consultant, IT Corp., upon removing underground tank #28.70, had placed a plastic liner in the excavation pit prior to placing the contaminated soil back in the hole. This plastic liner probably acted as a vapor barrier and isolated the 0-10 or 0-15 foot below grade section of the CB-5 area from the beneficial effects of the SVE system. The second condition, and probably the major cause for the reduced treatment efficiency at CB-5, must be the existence of the clay/perched water condition. For some reason, though, the lower treatment efficiency was more dramatic than at CB-1 or CB-3. This may have been due to more clay and/or perched water at CB-5, or SVE well construction.

Given the recent regulatory changes in site clean-up criteria, where the old system of assigning a single numerical target for all sites has shifted to a risk based system where closure targets are more site specific, Air Products is not sure what the Board's position would be regarding the CB-5 area. This is an industrial site that is leased from a refinery and which is bordered by a refinery, a sulfur recovery plant, and a coke storage operation. Although some hydrocarbons remain at the CB-5 area, Air Products believes they present a very low risk. The site is flat and the clay layers and concrete/asphalt covering serve to prevent the downward migration of contamination. The hydrocarbons at the 35 foot depth are 25 to 30 feet above the permanent groundwater level. This permanent groundwater, the Gage Aquifer trends in a westerly direction. No known municipal use exists for the groundwater beneath the site and the nearest known down gradient well is approximately 2.5 miles to the west. Given these facts, Air Products proposes no further action and requests Board closure for the site.

Air Products hereby requests that the Board provide comments to Air Products regarding this closure investigation and our interpretations of the results. Air Products also asks that the Board now grant closure for former underground diesel tank # 28.91 based on the CB-4 analytical results of "none detected" for TPH diesel, TPH gasoline, and BTEX; and for former underground caustic solution tank # 28.70. In addition, given the low risk associated with the hydrocarbons remaining in the CB-5 area, Air Products proposes no further action be required and that the Board grant closure approval for the SVE system area. We would appreciate your prompt response in this regard. If you have any questions please call me at (610) 481-8867.

Sincerely,

Robert J. Swigart
GEG Environmental, Health & Safety Team

RJS/sab/lbrwqcb9

c: Dean Kirk
ARCO Products Company
Los Angeles Refinery
Box 6210
Carson, CA 90749-6210

Stephen Mutch
Terra Vac
17821 Mitchell Avenue
Irvine, CA 92614-6003

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State of California
Environmental Protection Agency

UNDERGROUND STORAGE TANK CASE REVIEW FORM

Los Angeles Regional
Water Quality Control Board

Date: September 23, 1997	LUSTIS file no.: # I-05385	Case reviewer: KEITH ELLIOTT	
Site Name/Address: **Air Products & Chemicals Inc.** **23320 Alameda Street, South** **Carson, CA**	Responsible parties: Robert J. Swigart	Address: Air Products & Chemicals Inc. 7201 Hamilton Boulevard Allentown, PA 18195-1501	Phone no.: (610) 481-8867

I. CASE INFORMATION (N/A = Not Applicable)

Tank No.	Size in Gallons	Contents	Closed in-place/Removed?	Date
LD-IGD-1	3,000	Gasoline	Removed	08/04/87
LD-IGD-2	12,000	Diesel Fuel	Removed	08/04/87
3 (28.5)	2,000	Waste Oil	Removed	08/04/87
4(28.91)	2,500	Diesel Fuel	Removed	08/04/87
5	6,000	Caustic	Removed	05/18/93

II. SITE CHARACTERIZATION INFORMATION (GW=groundwater, -- =Not Reported)

GW Basin: West Coast HSA - Coastal Plain	Beneficial uses: MUN	Depth to drinking water aquifer: About 400 feet bgs	
Distance to nearest municipal supply well: 0.85 miles		Distance between known shallow GW contamination and aquifer: 350 feet	
GW highest depth:5 ft bgs	GW lowest depth:65 ft bgs	Well screen interval: No GW monitoring wells installed on-site	Flow direction: West/Southwest
Soil types: Silty sand, sand, and gravel.		Maximum soil depth sampled: 58 feet	

III. MAXIMUM DOCUMENTED CONTAMINANT CONCENTRATIONS -- Initial and Latest (ND=Non-detect; NRQ=Not required)

Contaminant	Soil (mg/kg)		Water (µg/L)		Contaminant	Soil (mg/kg)		Water (µg/L)	
	Initial (1993)	Latest (1996)	Initial (Year)	Latest (Year)		Initial (1993)	Latest (1996)	Initial (Year)	Latest (Year)
TPH (Gas)	7,170	8,600			Ethylbenzene	57	63		
TPH (Diesel)	50,400	2,300			Xylenes	320	280		
Benzene	91	180			MTBE	NA	ND(5/1/97)		
Toluene	450	350			Other				

IV. SOIL REMEDIATION

Method:Excavation with on-site bioremediation of about 410 cubic yards of soil from Tank 28.91 In addition, SVE for the process area.	Duration of remediation: 1 year SVE.

V. GROUNDWATER REMEDIATION

Method: N/A	Duration of remediation: N/A

VI. FREE PRODUCT:

Was free product encountered? The report indicates Yes, in excavation for caustic tank (BH-9) also in BH-16 however, this is believed to be an elevated perched ground water with petroleum hydrocarbon upon this water.	Has free product been totally recovered? yes
When was free product recovery project completed? 8/96 when SVE system shut down.	

VII. RECOMMENDED ACTION:

Soil Closure only: Yes	Case Closure: Yes	Solvent Case? NO
Additional Action Required (i.e.: additional site assessment, remediation, monitoring): NONE		

VIII. COMMENTS AND JUSTIFICATION FOR RECOMMENDED ACTION:

This site is adjacent to the Carson Reg[illegible]l Ground Water Group which has extensive [illegible]phase hydrocarbons upon the ground water. In addition, there are numerous pipelines along the adjacent Alameda Street. Also, there were releases from above ground storage tanks at the subject site.

A crossgradient gauge aquifer monitoring well M-2 identified 0.9 mg/kg TPH & ND for BTEX and crossgradient monitoring well 33-D was ND for TPH & BTEX in 4/97. There were no downgradient monitoring wells analyzed before reaching the downgradient free-phase hydrocarbon "Pool 1" plume at the Arco refinery which had 14.84 feet of free product in the closest well AMR/554-D.

The SVE system operated for one year and developed asymptotic conditions. Tested for rebound conditions which were minimal.

Elevated contaminant concentrations noted above are in area of caustic tank where a plastic liner was placed into excavation prior to backfilling. This liner inhibited SVE treatment of soils. The remaining site appears to have been remediated to more acceptable levels.

Close site based upon Level 2 MTBE and "Common Sense" closure criteria with limitation for industrial use at site.

#386 KLG

SCAQMD RULE 1166 SOIL EXCAVATION OVERSIGHT REPORT

AIR PRODUCTS AND CHEMICALS, INC.
CARSON HYDROGEN FACILITY
23300 South Alameda Street
Carson, California

Prepared for:

Air Products and Chemicals, Inc.
7201 Hamilton Boulevard
Allentown, Pennsylvania 18195-1501

Prepared by:

IT Corporation
16775 Von Karman
Irvine, California 92606

IT Project No. 773695

October 1998

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1.0 Introduction

The Air Products and Chemicals, Incorporated (APCI) Carson Hydrogen Facility (site), is located in Carson, Los Angeles County, California, at 23300 South Alameda Street (Figure 1). The site is fenced and occupied by one temporary building on an unpaved lot. The surrounding area consists of industrial properties with the Texaco Sulfur Recovery Facility to the north, and the APCI Specialty Gas Facility and the ARCO Coke Storage Facility to the south.

The site is owned by ARCO, and has been leased by APCI since 1962. In 1962, APCI built a hydrogen purification and liquefaction facility which manufactured liquid and gaseous hydrogen. This manufacturing facility was in operation from 1962 until 1986. The facility was decommissioned and was demolished in 1992 and 1993. All underground storage tanks (USTs) and aboveground storage tanks (ASTs) were removed between the years of 1987 and 1993. Under the direction of the Los Angeles Regional Water Quality Control Board (RWQCB), an in-situ soil vapor extraction system was in operation at the west end of the site between May of 1995 and November of 1996 to remediate past hydrocarbons releases. The RWQCB granted closure of the site in 1997.

The site is located in the Dominguez Gap within the southern portion of the Central Section of the Los Angeles Basin. Shallow soils in this portion of the Basin are mainly recent clays, silts and sands that extend to the Gage Aquifer at approximately 60 feet below surface.

APCI intends to construct a new hydrogen facility on the site. In preparation for this construction, APCI has conducted demolition of some remaining foundations and associated footers from the previous hydrogen facility, as well as other pre-construction activities. These activities included the excavation of soil in several areas of the site.

1.1 Objectives

IT Corporation (IT) was contracted by APCI to perform air monitoring, environmental engineering oversight, soil sampling, and South Coast Air Quality Management District (SCAQMD) Rule 1166 report preparation for activities conducted during the demolition of

certain concrete foundations and associated footers near the west end of the site, and subsequent excavation in preparation for new foundations and footers to be located in this area. Because of the location of the site in the refinery area of Carson and its history of hydrocarbon contamination, APCI anticipated that soils affected by hydrocarbons might be encountered during the demolition and excavation. This report summarizes the field operations, soil excavation and stockpiling activities, field and laboratory analyses, soil removal from the site for disposal, and backfilling operations. All operations were completed in accordance with the conditions stipulated by the SCAQMD Rule 1166 Contaminated Soil Mitigation Plan No. 342375 (Appendix A).

2.0 Field Activities

This section summarizes field activities, including air monitoring, excavation, soil sampling, soil analysis, and backfilling.

2.1 Air Monitoring

On August 25, 1998, air monitoring began, in accordance with SCAQMD Rule 1166 Mitigation Plan No. 342375. Both soils and airspace were monitored using an Hnu® P1-101 Model photo-ionization detector (PID) calibrated to hexane gas (Photo 1). The calibration of the PID was confirmed using manufacturer's recommended procedures and hexane gas standardized to 100 parts per million (ppm) at the beginning and end of each day in which excavation activities were conducted.

PID measurements were taken throughout the excavation activities at time intervals not exceeding 15 minutes. All measurements were entered into SCAQMD Rule 1166 Soil Monitoring Records. Whenever applicable, notations as to sample location, depth, and details of excavation activities were also noted on the Monitoring Records. Monitoring Records are presented in Appendix B.

In accordance with Section III, Condition 14 of the Mitigation Plan, SCAQMD was notified of PID measurements exceeding 50 ppm. On August 27, 1998, reference number EH-98-0336 was provided by the SCAQMD. On August 31, 1998, the SCAQMD provided reference number EH-98-0338 for all remaining soils removed from August 27, 1998 to the end of the excavation activities.

2.2 Vapor Suppression Activities

Throughout the excavation activities, particular care was taken to maintain proper vapor suppression (Photo 2). The excavation area was frequently sprayed with water and all areas of the excavation not within the immediate work area were covered with plastic sheeting (Photo 3). Excavated soils were stockpiled on the site according to the conditions of the Mitigation Plan. All stockpiles of potentially contaminated soil were placed on plastic sheeting, sprayed with water and covered with plastic sheeting (Photo 4). All sheeting was secured and anchored to prevent exposure of potentially contaminated soils to the atmosphere.

2.3 Excavation

Demolition and excavation activities began August 25, 1998 and were completed September 1, 1998. Excavation was conducted by Howard Contracting Incorporated (HCI) of Los Alamitos, California. An estimated total of 1200 cubic yards of soil was removed and placed into one of two stockpile areas, one containing soils with PID measurements less than 50 ppm ("< 50 ppm stockpile") and the other with PID measurements equal to or higher than 50 ppm ("> 50 ppm stockpile"). The excavation was approximately 93 feet long north to south and 75 feet wide east to west, with depths varying from 3 feet to 7 feet below ground surface (bgs) (Figure 2).

2.4 Soil Sampling

Ten soil samples were taken of stockpiled soils on September 2, 1998, entered into chain of custody records, and delivered in ice-chilled coolers to Enviro-Chem, Inc. (Enviro-Chem) in Pomona, California. Nine samples were taken from the > 50 ppm stockpiles and one from the < 50 ppm stockpile. The nine samples from the > 50 ppm stockpiles were composited into three composite samples by the laboratory. All four samples were analyzed for total petroleum hydrocarbons (TPH) by United States Environmental Protection Agency (EPA) Method 8015M, volatile organic compounds (VOCs) by EPA Method 8260A, and Title 22 metals by EPA Methods 6010A, 7196A, and 7471A. Based upon elevated lead and mercury concentrations, the samples were further analyzed for soluble lead and mercury using the California Waste Extraction Test (WET) and by EPA Method 1311 Toxicity Characteristic Leaching Procedure (TCLP). Laboratory Reports are presented in Appendix C.

No VOCs were detected in the samples. All samples contained elevated levels of hydrocarbons in the diesel (C10-C22) and oil (C22-C35) ranges, but no gasoline or kerosene range hydrocarbons were detected in any of the samples. Barium, chromium, cobalt, copper, nickel, selenium, vanadium, and zinc were detected in one or more of the samples at relatively low concentrations. Analytical results are presented in Table 1. Soluble lead concentrations in all samples exceeded the California soluble threshold limit concentration (STLC) of 5 milligrams per liter (mg/L), which resulted in the soil being classified as a California hazardous waste. Lead TCLPs for all four samples were less than the 5.0 mg/L threshold limit. Mercury TCLP for one sample measures less than the 0.2 mg/L threshold limit. Thus, soil was not a RCRA hazardous waste.

Because APCI anticipated transporting the contaminated soil to a disposal facility in Arizona, the nine samples from the >50 ppm stockpiles were transferred to Del Mar Analytical Services (Del Mar), an Arizona certified laboratory, for analysis of BTEX and polynuclear aromatic hydrocarbons (PAHs). Some PAHs were detected in all three composite samples at relatively low concentrations. Benzene and toluene were detected in low concentrations in the composite sample STK1-7,8,9. Analytical results are presented in Table 2.

2.5 Removal of Contaminated Soil

A total of approximately 1782 tons or 1200 cubic yards of stockpiled, contaminated soil was removed from the site (US EPA ID No. CAC002102136). All soils were loaded and hauled by Ecology Control Industries (ECI) to Browning-Ferris Industries, Inc.'s (BFI) La Paz County Landfill in Parker, Arizona (US EPA ID No. AZC950823111). Removal operations took place between September 17, 1998 and September 22, 1998. Copies of hazardous waste manifests are included in Appendix D.

2.6 Backfilling and Compaction

Backfilling and compaction operations were conducted between September 10, 1998 and September 13, 1998 by HCI. Backfilling oversight and compaction testing was conducted by Globus Engineering Incorporated (Globus) of San Pedro, California. The excavation was backfilled with soils from the <50 ppm stockpile and other uncontaminated soils stockpiled on the site.

3.0 Certifications and Limitations

The statements, opinions and conclusions contained in this report are based solely upon the services performed by IT Corporation as described in this document and the contracted scope of work established by APCI and the terms and conditions of the contract agreement with APCI. In performing these services and completing this document, IT Corporation utilized and relied upon the work and information provided by others, including public agencies, whose information cannot be guaranteed by IT Corporation.

This document is intended for the sole and exclusive use of APCI. The findings of this document are limited to those specifically expressed in the document and no other representations or warranties are given by IT Corporation and no additional conclusions should be reached or representations relied on other than those expressly stated in the report and as limited by contracted IT Corporation Terms and Conditions.

IT Corporation performed the field operations, investigations and analyses described in this document in accordance with currently accepted professional standards of environmental investigation, analysis and engineering. The results presented in this document are considered representative of conditions at the time the work was performed. If there are any questions about the information presented in this report, please call the undersigned at (714) 261-6441.

Respectfully submitted,
IT CORPORATION

Paul R. Dinkmeyer, R.G.
California Registered Geologist No.
Project Manager

Juli C. Jameson
Project Geologist

TABLE 1
SOIL STOCKPILE ANALYTICAL RESULTS
CARSON HYDROGEN FACILITY
AIR PRODUCTS AND CHEMICALS, INC.
Project No. 773695

Analysis	Method	Detection Limit (ppm)	Sample Identification			
			STK 1-1,2,3 (ppm)	STK 1-4,5,6 (ppm)	STK 1-7,8,9 (ppm)	STK 2-1 (ppm)
Barium	EPA 6010A / TTLC	5.0	134	129	180	117
Chromium	EPA 6010A / TTLC	5.0	14.3	15.5	15.1	14.8
Cobalt	EPA 6010A / TTLC	5.0	7.71	7.74	7.19	7.43
Copper	EPA 6010A / TTLC	5.0	45.4	47.9	54.0	26.3
Lead	EPA 6010A / TTLC	5.0	329	283	525	52.8
Mercury	EPA 7471A / TTLC	0.1	0.531	3.14	1.34	0.305
Nickel	EPA 6010A / TTLC	5.0	15.2	16.1	15.0	14.0
Selenium	EPA 6010A / TTLC	1.0	1.36	ND<1	1.04	ND<1
Vanadium	EPA 6010A / TTLC	5.0	31.1	33.3	32.4	31.8
Zinc	EPA 6010A / TTLC	5.0	289	527	527	129
TPH - Gasoline Range	EPA 8015M	10	ND<10	ND<10	ND<10	ND<10
TPH - Kerosene Range	EPA 8015M	10	ND<10	ND<10	ND<10	ND<10
TPH - Diesel Range	EPA 8015M	10	288	313	400	15.0
TPH - Oil Range	EPA 8015M	100	685	1460	1580	156
Lead	STLC Analysis	0.1	14.1	85.5	45.9	2.90
Mercury	STLC Analysis	0.01	NR	ND<0.01	NR	ND<0.01
Lead	TCLP	0.1	0.170	0.218	0.710	ND<0.1
Mercury	TCLP	0.01	NR	ND<0.01	NR	NR
Volatile Organics	EPA 8260A	0.01*	ND	ND	ND	ND

* - Detection limit for all volatile organic compounds is 0.01 ppm with the exception of total xylenes, which is 0.02 ppm
EPA - Environmental Protection Agency
NR - No result. Lab analysis was not required.
ND - Not detected.
ppm - parts per million
STLC - Soluble Threshold Limit Concentration
TPH - Total petroleum hydrocarbons

TABLE 2
SOIL STOCKPILE ANALYTICAL RESULTS
CARSON HYDROGEN FACILITY
AIR PRODUCTS AND CHEMICALS, INC.
Project No. 773695

Analysis	Method	Sample Identification		
		STK 1-1,2, (ppm)	STK 1-4,5, (ppm)	STK 1-7,8,9 (ppm)
Benzene	EPA 8021B	ND<0.005	ND<0.005	0.38*
Toluene	EPA 8021B	ND<0.005	ND<0.005	0.13*
Ethyl Benzene	EPA 8021B	ND<0.005	ND<0.005	ND<0.10*
Total Xylenes	EPA 8021B	ND<0.015	ND<0.015	ND<0.30*

Analysis	Method	Sample Identification		
		STK 1-1,2, (ppb)	STK 1-4,5, (ppb)	STK 1-7,8,9 (ppb)
Benzo(a)pyrene	EPA 3550/8310	92	140	640
Benzo(b)fluoranthene	EPA 3550/8310	110	ND<100	360
Benzo(g,h,i)perylene	EPA 3550/8310	140	ND<250	ND<500
Chrysene	EPA 3550/8310	460	570	2500
Dibenz(a,h)anthracene	EPA 3550/8310	ND<130	ND<250	500
Fluoranthene	EPA 3550/8310	ND<130	ND<1000	540
Phenanthrene	EPA 3550/8310	130	ND<250	720
Pyrene	EPA 3550/8310	ND<130	ND<250	1300

* - Duluted by a factor of 20
EPA - Environmental Protection Agency
ND - Not detected.
ppm - parts per million
ppb - parts per billion

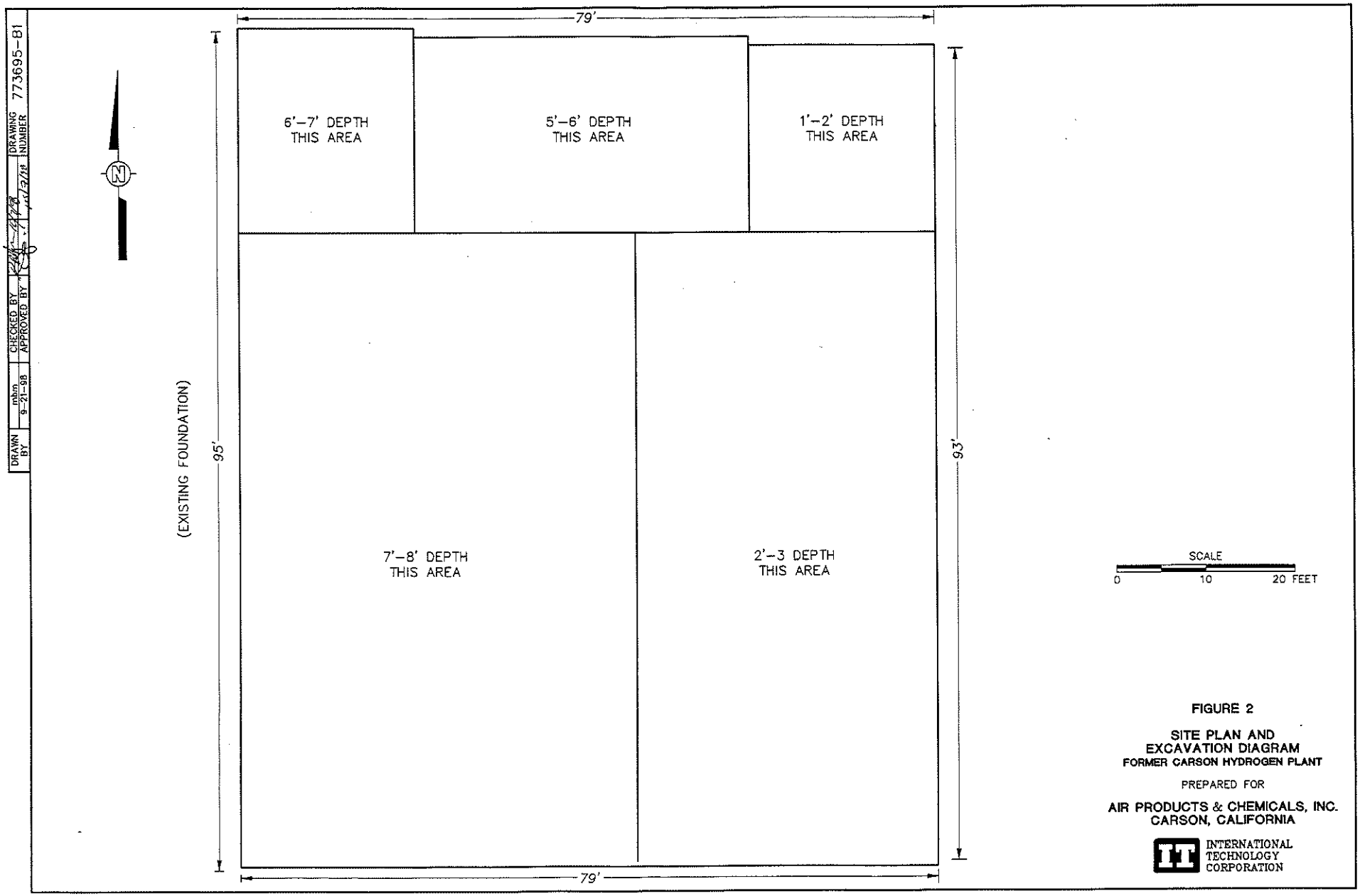


FIGURE 2

SITE PLAN AND EXCAVATION DIAGRAM
FORMER CARSON HYDROGEN PLANT

PREPARED FOR

AIR PRODUCTS & CHEMICALS, INC.
CARSON, CALIFORNIA

INTERNATIONAL TECHNOLOGY CORPORATION

DRAWN BY	HDS
	6-11-98
CHECKED BY	
APPROVED BY	
DRAWING NUMBER	773695-A1

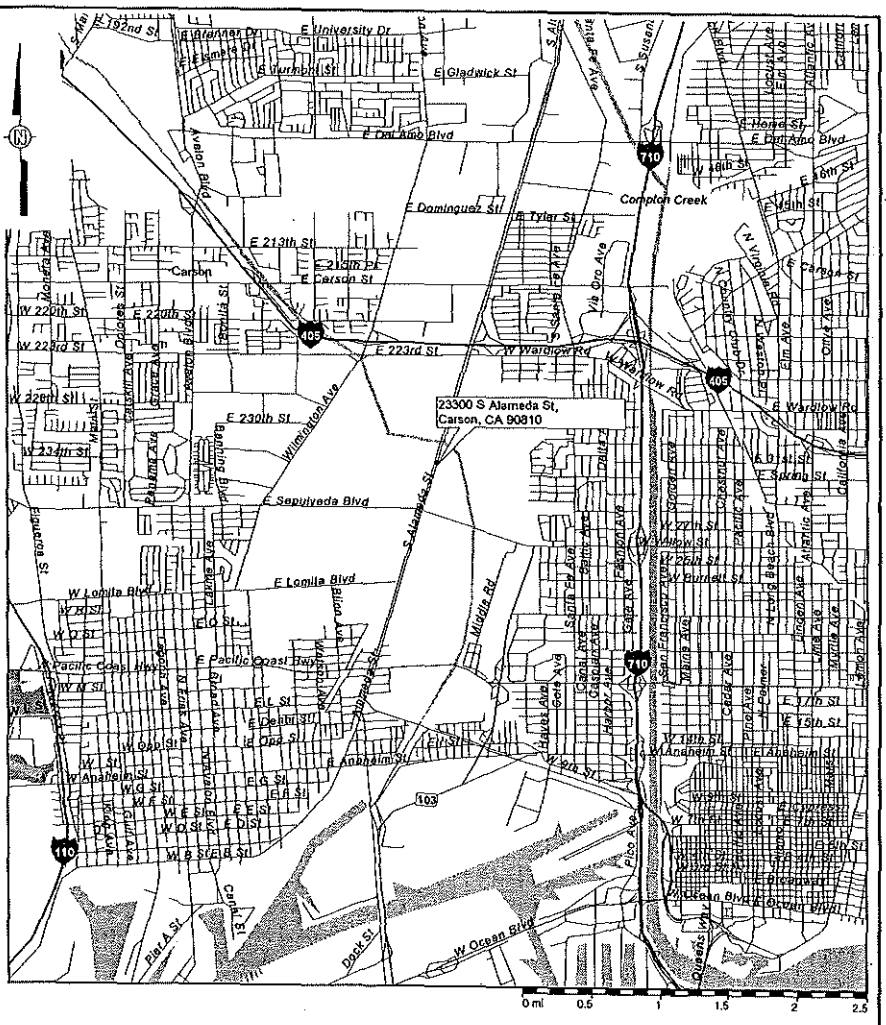


FIGURE 1

SITE LOCATION MAP
AIR PRODUCTS AND CHEMICALS, INC.
CARSON, CALIFORNIA

REFERENCE:
MICROSOFT AUTOMAP/STREETSPLUS
DATE: 1996

PREPARED FOR
AIR PRODUCTS & CHEMICALS, INC.
CARSON, CALIFORNIA

INTERNATIONAL TECHNOLOGY CORPORATION

FINAL REPORT
REMEDIATION OF DIESEL CONTAMINATED SOIL
AIR PRODUCTS FACILITY
CARSON, CALIFORNIA

Ex Copy

Prepared For

AIR PRODUCTS AND CHEMICALS, INC.

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ECOVA Corporation
3820 - 159th Avenue N.E.
Redmond, Washington 98052
March 30, 1990

Project No. 825001

ECOVA

1. INTRODUCTION

This report summarizes the final phase of work completed by ECOVA Corporation (ECOVA) on behalf of Air Products and Chemicals, Inc. (APCI), at the APCI facility located at 23320 South Alemeda Street in Carson, California. ECOVA designed and operated a solid-phase biological treatment system at the site to remediate diesel contaminated soil. (Figure 1-1).

In this report we present:

- project background information
- project objectives
- excavation activities
- design and construction of the treatment bed
- baseline, process and final sampling methodologies
- results of analyses
- changes to the work plan resulting from discoveries in the field during the initial field work
- a review of the bioremediation methods
- treatment unit decommissioning

1.1 BACKGROUND

In January, 1989 ECOVA Corporation (ECOVA) of Redmond, Washington was retained by APCI to degrade the diesel contamination in the soil surrounding former UST 28.91. Development of a work plan and attainment of authorization to proceed from the South Coast Air Management District (SCAQMD) and the Los Angeles County Department of Public Works (LACDPW) resulted in a May 1989 startup of the project.

In August, 1987 in response to the State of California underground Fuel Storage Tank Law, APCI retained a contractor to remove four underground storage tanks (USTs) from their Carson, California facility. Upon excavation and removal of a 2,500-gallon diesel underground storage tank (UST 28.91), stained soil was observed in the tank pit (IT Corporation, 1988). At the time of removal, UST 28.91 had been empty and out of service for a period of 10 years. A subsequent environmental investigation was designed and implemented to determine the severity and extent of diesel contamination beneath and near the former UST 28.91. The results of the environmental investigation results showed that:

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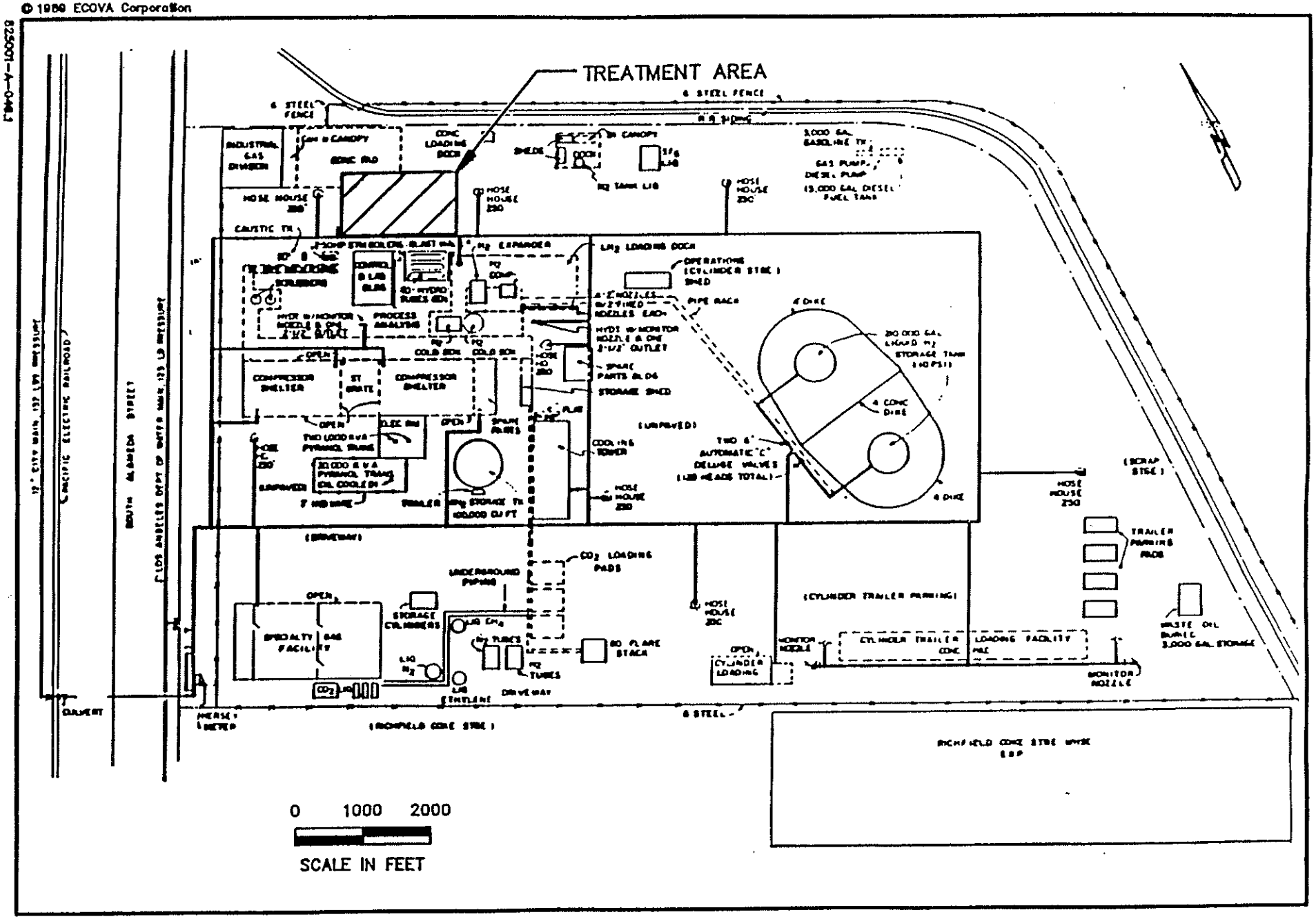


FIGURE 1-1. Site Map

- Leakage associated with the former UST 28.91 had contaminated a localized area beneath and around the tank
- The depth of contamination reached to 15 feet below surface
- Soil contaminants include petroleum hydrocarbons and the volatile diesel fuel constituents of benzene, toluene, ethylbenzene, and xylene isomers
- The horizontal limits of contamination was an area 50-feet on the North-South to 35-feet on the East-West around former UST 28.91
- Based on groundwater data from a boring, approximately 43-feet of unsaturated soil separate the plume from possible ground water contamination (IT Corporation, 1988)

1.2 PROJECT OBJECTIVES

The primary project objective is to achieve biodegradation of the diesel contaminated soil to a concentration allowing off-site disposal to a Class III landfill. The Total Petroleum Hydrocarbon (TPH) concentrations as measured by EPA method 418.1, must be reduced to concentrations below 100 mg/kg (ppm) and any remaining volatile organic compounds must be reduced to below the target cleanup levels accepted by the LACDPW and the California Regional Water Quality Control Board, Los Angeles Region (CRWQCB). Table 1-1 lists specific contaminant cleanup concentrations.

2. SUMMARY OF WORK

2.1 SOIL EXCAVATION

On March 8, 9, and 10, 1989, volume 410 cubic yards (yd^3) of petroleum hydrocarbon contaminated soil was excavated from the area immediately below and adjacent to the former diesel UST 28.91. Two backhoes and a trackhoe were utilized to excavate the contaminated soil. The ECOVA field geologist utilized the cross sections and boring logs provided in the site environmental investigation (IT Corporation, 1988) to confirm geologic indicators, such as a distinctive gray sand layer, which previous investigators noted as the bottom boundary of the contamination. The documented field data was used to supplement on-site air monitoring and visual inspection, as the soil removal process progressed, to determine the extent of contamination. The excavation resulting from the removal of contaminated soil measured 24 by 23 feet by 20 feet deep. Following excavation, the pit was backfilled with clean imported sand fill and compacted to 90 percent compaction.

To confirm that all the contaminated soil was removed from the excavation, ECOVA sampled the bottom and side walls of the excavation (Figure 2-1). A total of six samples were analyzed: one sample each from the north and south ends of the excavation bottom and two samples from each sidewall, composited into one sample. These samples were analyzed for Total Petroleum Hydrocarbons using EPA Method 418.1. The analytical results for the samples collected from the excavation bottom and walls are provided in Table 2-1. Analytical confirmation and visual inspection of the walls of the excavation indicated these areas are not contaminated.

2.1.1. TREATMENT AREA

The treatment bed was constructed on March 8, 1989, prior to the initiation of excavation activities. By building the treatment bed prior to excavating the soil, the field crew was able to place and spread the contaminated soil within the treatment bed as the excavation activities progressed. The contaminated soil was transported to the treatment area, located adjacent to the former truck scales area (Figure 2-2). The treatment area consists of a 1,020 square yard bermed treatment bed measuring 17 yards by 60 yards. The soil in the treatment bed was divided into a grid pattern of 11 individual cells measuring approximately 10 by 10 yards each. Since the area underlying the designated treatment area was covered with asphalt cement, the treatment bed was constructed by bringing in fill material to construct earth berms on top of the asphalt cement. The existing sewer drains were covered with visqueen as was a truck scale pad which made up a portion of the treatment bed floor (Figure 2-2).

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2.2 AIR MONITORING

In order to meet the SCAQMD emission monitoring requirements, ambient air volatiles were measured throughout the excavation and soil spreading operations. Volatile air emissions were measured using a photoionization detection meter (HNU MODEL ISPI 101) with a 11.7 eV probe. The HNU was calibrated on a daily basis using an Isobuthylene gas standard. Table 2-2 presents air emissions data for March 9, 1989 as an example of the measured emissions from the excavation operations. At no time during excavation or soil treatment operations did the measured emissions exceed 7.5 ppm based on a 99.6 ppm (span 3.30) Isobutylene gas standard.

2.3 TREATMENT OPERATIONS

Treatment operations began on March 10, 1989 and consisted of removing and stockpiling construction rubble from the treatment bed, watering, and cultivating the contaminated soil. A backhoe was used to remove and stockpile blocks of asphalt and concrete from the soil in the treatment bed. The clearing of the treatment bed was necessary to prevent damaging the disk that was used to cultivate the soil. Following the removal of rubble, a 150-horsepower tractor was mobilized to the site to pull a disk (12-inch diameter disks) over the contaminated soil in the treatment bed. The soil was disked for a period of four hours in order to maximize the circulation of air and water within the soil. The soil was initially disked two times per week for the first two weeks of treatment. Subsequently the soil was disked on a weekly basis until the monitoring sampling during the 9th week of treatment. Based on our experience with the solid phase biodegredation of diesel fuel in soil we did not feel that fertilizer or microbial inoculum needed to be added to the soil in the treatment bed.

2.4 SAMPLING

2.4.1 BASELINE SAMPLING

The treatment bed has been sampled two times during the project. The initial sampling (March 11, 1989) was conducted one day after the initial tilling of the soil to gather soil baseline chemical data. The second sampling (May 15, 1989) was conducted to determine the extent of TPH degradationn and to define the nature of the TPH found in the soil being treated (process monitoring).

To define the baseline chemistry of the contaminated soil composite soil samples were collected and analyzed from each of the 11 treatment bed cells. Each cell sample was a composite made up of five individual soil samples: a sample from the center of the cell, and four samples on the cell boundaries, north, south, east, and west of the midpoint of the cell (See Figure 2-2). These five samples were composited into one sample in the

field. At each sample location, a 12-inch long stainless steel core with two 6-inch inserts were was advanced into the soil. The inserts were then emptied into a stainless steel bowl and composited. The composite was then added to composites from the other sampling points within the cell and placed in individual airtight glass jars, and the caps wrapped in parafilm. The cell composites samples were placed in a cooler with ice, then cooled to 4 °C and shipped on the same day under full chain-of-custody procedures to ECOVA Analytical Services in Redmond, Washington.

The samples collected during the March 11, 1989 sampling were analyzed for TPH by EPA Method 418.1 Infrared Spectrophotometry (IR). In addition, the sample with the highest measured concentration of TPH was also analyzed using Gas Chromatograph (GC) methods, EPA modified 8020 (GC-FID), to determine the benzene, ethylbenzene, toluene, and xylenes content and EPA method 8015 to define the types of petroleum hydrocarbons that were being detected by the IR analyses.

2.4.2 PROCESS MONITORING

Following a nine week treatment period the soil in the APCI treatment bed was sampled for a second time on May 15, 1989. For reasons explained in Section 2.7.2 of this report, during this sampling (Process Monitoring) discrete samples were collected from each cell in the treatment bed, from a depth of 6 inches below surface to the base of the treatment bed (18 inches below surface). During the second soil sampling a total of 43 soil samples were collected from the treatment bed. Cell #1 was not completely filled with soil, therefore only three samples were collected from that particular cell.

Following labeling and preparation for shipping, the individual soil samples were placed in a cooler, iced down to 4 °C and shipped via overnight carrier to ECOVA for analysis on May 16, 1989.

2.5 DECONTAMINATION OF SAMPLING EQUIPMENT

To prevent cross-contamination of samples, all equipment used in the collection of samples was decontaminated at specific points designated in the sampling routine. Soil sampling equipment was decontaminated in accordance with the following procedures:

1. Brush or wipe any soil off the sampler, being sure that the inner surface is free of soil.
2. Scrub the sampler in TSP solution with a wire brush.
3. Rinse with potable water and then distilled water.
4. Repeat above procedure for stainless steel bowl used to composite samples and all sampling apparatus.

2.6 HEALTH AND SAFETY

A comprehensive Health and Safety Plan for the APCI site was developed for the protection of all onsite employees and subcontractors. Training on the specific hazards of this site was conducted prior to work, and monitoring of employee exposure is being conducted to ensure reduced risk as a cleanup operations continue. ECOVA has maintained adherence to the OSHA requirements for hazard waste site works and EPA study guidelines as appropriate.

2.7 ANALYTICAL RESULTS

2.7.1 BASELINE ANALYTICAL RESULTS

The results of the baseline sampling are summarized in Table 2-3. The measured TPH ranged from 399 to 866 mg/kg (parts per million-ppm) with an average concentration of 610 ppm. The cell with the highest measured TPH was Cell 1 and the measured TPH concentration of 2148 ppm was anomalously high. The results of EPA method 8015 analysis (GC-FID) on the composite sample from Cell 1 (APCI-C1) indicated that heavy end (long chain hydrocarbons) made up a considerable portion of the sample, with light end petroleum hydrocarbons and diesel making up the minor constituents of the petroleum hydrocarbons in sample APCI-C1 (see Table 2-4). The EPA method modified 8020 analysis indicated low concentrations of BTXs (see Table 2-5), thus confirming that the lighter petroleum hydrocarbons make up the minor fraction of the measured petroleum hydrocarbons in Cell 1.

2.7.2 CHANGES IN SAMPLING AND ANALYTICAL PROTOCOL

Based on the analytical results from the Baseline Analytical showing that the contaminant in the APCI soil consisted of a heterogenous mixture of several types of petroleum hydrocarbons (see Table 2-3 and Table 2-4). ECOVA elected to revamp the sampling/analytical protocol for the Process Monitoring. As was presented in Section 2.3.2 of this report the new sampling protocol for the Process Monitoring called for a greater number of samples to be collected. By collecting four discrete samples from each cell and sampling the lower 12-inches of the treatment bed, ECOVA could get a better understanding of the distribution of the different kinds of petroleum hydrocarbons within the treatment bed. By having better sample control, the soil within the cells could be better characterized.

An extra analytical procedure was also added to the TPH by IR analyses of the Process Monitoring suite of samples (May 15, 1989). The IR method is a straightforward and inexpensive way to measure the TPH content in the soil and it is routinely used to monitor petroleum hydrocarbon degradation when the contaminant is a

known petroleum distallate such as diesel. After analyzing Cell 1 in the baseline sampling it became apparent that the petroleum hydrocarbons in the APCI contaminated soil was not solely diesel but a heterogenous mix of petroleum hydrocarbons with some prominent long chain (greater than carbon -30) petroleum hydrocarbons. For the Baseline Analytical work, the soil samples were analyzed for TPH by the IR method which included the Oil and Grease fraction. During the Process Monitoring ECOVA modified the analytical procedures to eliminate the Oil and Grease fraction by treating the analytical extract with silica gel. The silica gel filtering screens any non-petroleum hydrocarbons, such as Oil and Grease, which the IR analysis picks up as petroleum hydrocarbons.

2.7.3 PROCESS MONITORING RESULTS

As can be observed in the analytical results from the Process Monitoring (Table 2-6) the TPH by IR (Oil & Grease) figures are approximately 1500 ppm higher in concentration than the silica gel filtered TPH by IR analyses. The difference can be attributed to bio residue and humic acids that are not petroleum hydrocarbons but are picked up by the IR analysis (EPA method 418.1) as petroleum hydrocarbons.

Following review of the Process Monitoring analytical data, ECOVA selected and analyzed composite soil samples from the cells which contained the highest concentrations of TPH (Cells 4, 6 and 9,see Table 2-7). The composite samples were then analyzed for TPH utilizing EPA Method modified 8015 (GC-FID) to characterize the petroleum hydrocarbons. Based on interpretation of the gas chromatographs by ECOVA analytical personnel it was determined that the majority of the TPH measured by IR is made up of an atmospheric residual of crude oil or a heavy bunker oil (see Figures 2-3, 2-4, 2-5, and 2-6).

3. BIOREMEDIATION CONSIDERATIONS

This section of the interim report summarizes the assumptions that were used to design the soil biological treatment program for the APCI site. The effectiveness of biological treatment processes at the facility will ultimately be limited by the nature of petroleum biodegradation and the specific petroleum hydrocarbons encountered. An analysis of these two factors suggests that the biodegradability of the APCI material is limited and that concentrations could "plateau" at approximately 30-40 percent of starting concentrations.

3.1 OVERVIEW OF PETROLEUM BIODEGRADATION

The biological degradation of petroleum hydrocarbons is a naturally occurring reaction. Complete biodegradation of petroleum ultimately results in carbon dioxide, water, and microbial biomass. The rate of this reaction, however, is highly dependent on a variety of factors including the specific structure of the compound; the availability of nutrients, oxygen and water for the microorganisms; and the nature of soil or other matrix in which the compound resides. Certain compounds can be biologically degraded over a very short time (hours), while other compounds such as asphaltics, are virtually totally non-degradable.

The susceptibility of petroleum to biodegradation varies with the types and sizes of its component molecules. There are several hundred individual component molecules in any given crude oil, and the overall degradability of a specific petroleum product will depend on the proportion of degradable compounds of which it is composed. For example, alkanes of intermediate chain length (C_{10}-C_{24}) are degraded most rapidly. However, very long chain alkanes become increasingly resistant to biodegradation, and after exceeding a molecular weight of 500-600 they cease to serve as carbon sources to microorganisms. Branching structures typical of asphaltics also reduce the rate of biodegradation, and aromatic compounds are degraded more slowly than alkanes. Condensed polycyclic aromatics and cycloparaffins, as well as high-molecular-weight alkanes, are degraded only very slowly.

The availability of nutrients and oxygen also has significant effects on petroleum degradation. In particular, nitrogen and phosphorus fertilizers, as well as oxygen, accelerate biodegradation. Additionally, proper pH and temperature help to produce favorable effects.

Solid-phase biological treatment processes are designed to remove constraints which slow degradation rates, such as limited nutrients and oxygen, and bring about rapid rates of degradation. Because of the variability in the source of petroleum hydrocarbon contamination, the chemical nature of contaminated soil, and other site-specific concerns, treatability studies are the most appropriate way of establishing proper treatment conditions. However,

in cases were the petroleum hydrocarbon is a known, such as diesel fuel, we can carry out the bioremediation utilizing parameters established during previous projects.

Based on review of the IT environmental study chemical data, it appeared that rapid and complete biodegradation of contaminants at the APCI facility was possible. As a result, it was assumed by ECOVA and APCI that the source contaminant was diesel and therefore the biodegradation would continue at this rate until degradation of the petroleum hydrocarbons reached the target concentration levels.

A subsequent evaluation of the Baseline and Process Monitoring analytical data by ECOVA, however, indicates that this assumption may not be valid, since a portion of the contaminant material is recalcitrant and a linear rate of degradation may not be possible. Specifically, there appears to be little further reduction in TPH concentration after the initial rapid drop. This suggests that in addition to the relatively easily degraded lower molecular fraction, the site material contains a larger molecular weight fraction that degrades at a much slower rate.

The analytical results clearly showed that although there remains a fraction of hydrocarbons (C-25 to C-30) amenable to biodegradation, a second tier of recalcitrant hydrocarbons exists that may not be amenable to biodegradation. Gas chromatographic evidence supports the probability that this recalcitrant fraction is composed of C-40 and longer-chain hydrocarbons. This fraction may average from about 30 to 40 per cent of the amount of TPH present in the contaminated soil.

3.2. SUMMARY

There is a major fraction of the hydrocarbons at the APCI site that are amenable to biodegradation. However, data also indicate a second group of recalcitrant hydrocarbons exist that will probably not biodegrade to any great extent. The overall degradability of the TPH at the APCI site may be 60-70 percent, leaving approximately 30-40 percent of the material as non-degradable to target TPH levels as measured by EPA method 418.1.

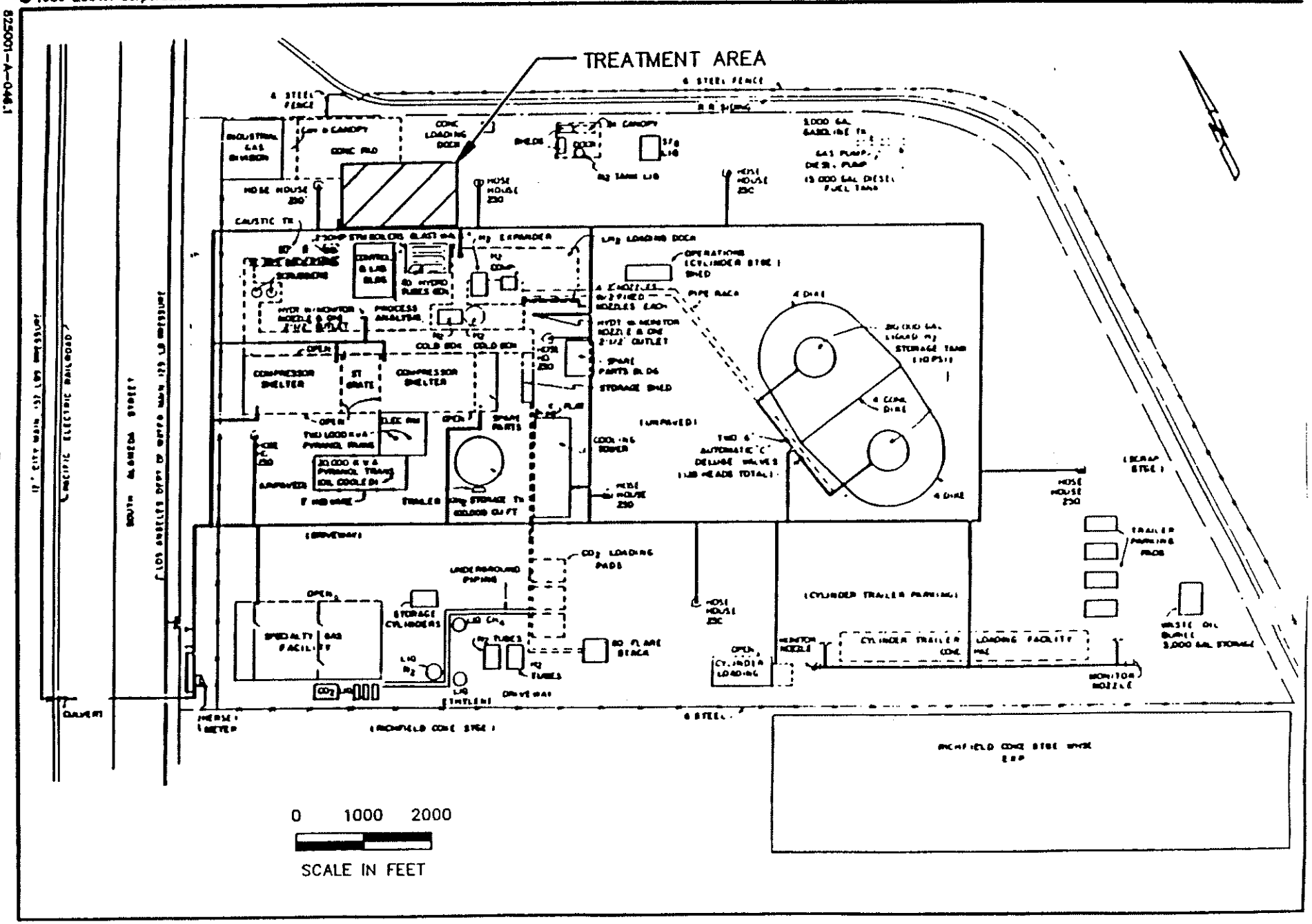
4. RECOMMENDATIONS

Analytical results from treatment bed samples collected on May 16, 1989 indicate: (a) that diesel fuel components have been eliminated or reduced to low (less than 280 ppm) concentrations from the treated soil and (b) that a significant portion of the hydrocarbons present in the treatment bed are heavy bunker oil or an atmospheric residual of a crude oil. The latter two substances are not amenable to rapid biodegradation.

Because crude oil is naturally present in background soil, ECOVA proposes that it is not necessary to dispose of the treated soil in a Class III landfill. Instead, soil in the treatment bed should be treated until all diesel fuel has been degraded and then kept on site and used as fill material as needed.

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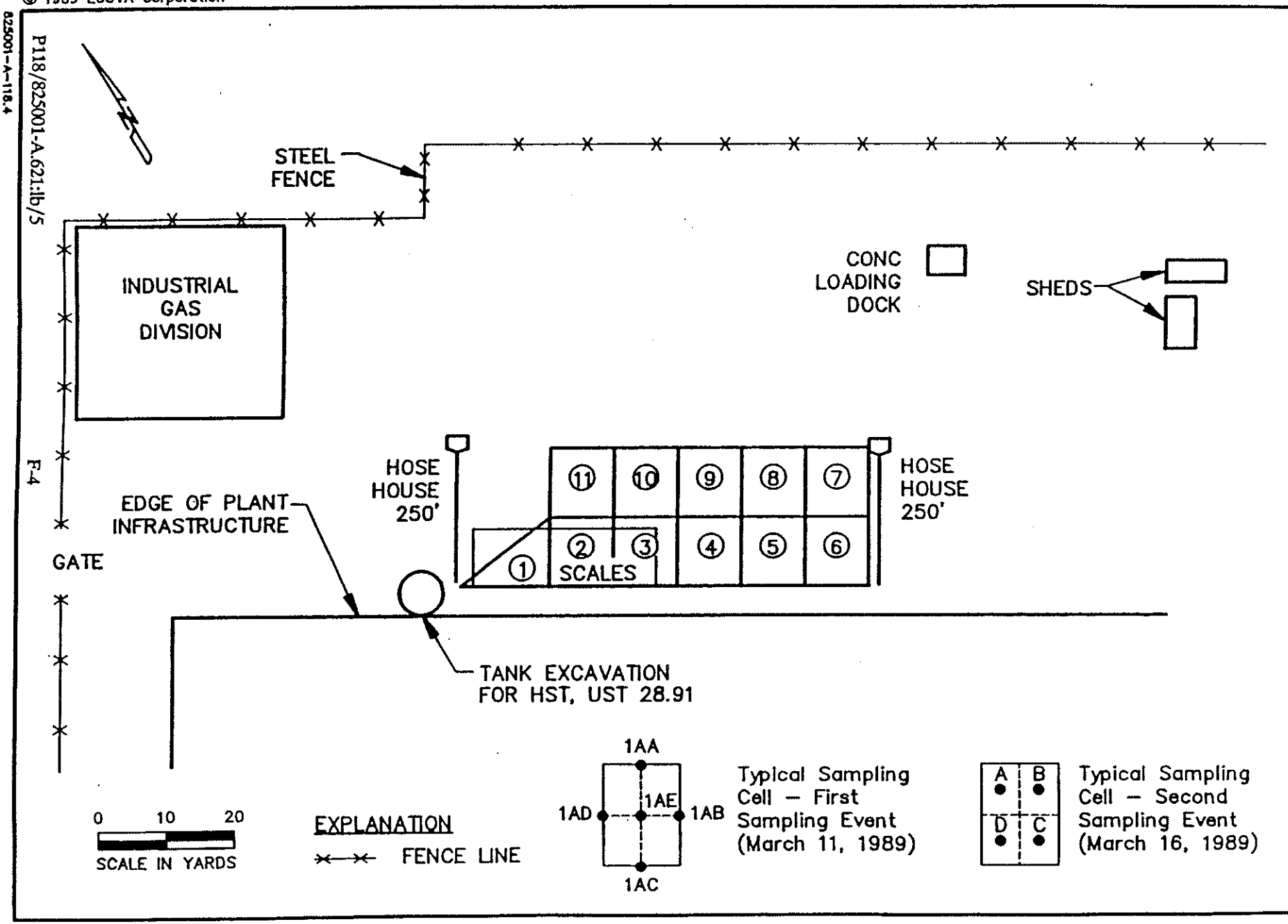
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F-4

FIGURE 2: Treatment Bed with Sampling Configurations

TABLE 2-6. Summary of APCI Cell Analytical Results
Process Monitoring Sampling - May 15, 1989 (continued)

Cell	Sample[1]	TPH (Oil & Grease)[2] (mg/kg)	TPH[3] (mg/kg)	Average TPH for Cell (mg/kg)
7	APCI-7-B	N/A	N/A[4]	
7	APCI-7-C	2710	1500	
7	APCI-7-D	2460	1350	1580
8	APCI-8-A	2800	1500	
8	APCI-8-B	730	390	
8	APCI-8-C	3730	2160	
8	APCI-8-D	3460	1720	1443
9	APCI-9-A	4610	2620	
9	APCI-9-B	9590	9590	
9	APCI-9-C	4210	2460	
9	APCI-9-D	1260	730	2350
10	APCI-10-A	4610	2460	
10	APCI-10-B	280	1450	
10	APCI-10-C	1350	590	
10	APCI-10-D	2230	1300	1450
11	APCI-11-A	2380	1120	
11	APCI-11-B	2230	1000	
11	APCI-11-C	1890	1120	
11	APCI-11-D	2300	1120	1090

[1] Sample from Depth Interval of 6 to 18 inches below treatment bed surface

[2] Analysis by EPA Method 418.1

[3] Analysis by EPA Method 418.1 with silica gel filtering to eliminate non petroleum hydrocarbons

[4] N/A = Not analyzed. Due to laboratory error the following samples were not analyzed:

- APCI-7-B
- APCI-4-D (was not analyzed for TPH, following silica gel treatment)

TABLE 2-6. Summary of APCI Cell Analytical Results,
Process Monitoring Sampling - May 15, 1989

Cell	Sample[1]	TPH (Oil & Grease)[2] (mg/kg)	TPH[3] (mg/kg)	Average TPH for Cell (mg/kg)
1	APCI-1-A	2020	1400	
1	APCI-1-B	2380	1500	
1	APCI-1-C	4040	2460	1787
2	APCI-2-A	3330	1960	
2	APCI-2-B	2800	1450	
2	APCI-2-C	2230	1210	
2	APCI-2-D	3460	1960	1645
3	APCI-3-A	1720	920	
3	APCI-3-B	4210	2540	
3	APCI-3-C	1890	1080	
3	APCI-3-D	2710	1550	1523
4	APCI-4-A	5090	3460	
4	APCI-4-B	2540	1450	
4	APCI-4-C	4040	2300	
4	APCI-4-D	3110	N/A[4]	2403
5	APCI-5-A	2900	1830	
5	APCI-5-B	5710	1720	
5	APCI-5-C	5090	2710	
5	APCI-5-D	4210	1960	2055
6	APCI-6-A	3590	1960	
6	APCI-6-B	4830	2540	
6	APCI-6-C	5380	3110	
6	APCI-6-D	3330	1830	2360
7	APCI-7-A	3730	1890	

COUNTY OF LOS ANGELES
Public Health

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Director

MUNTU DAVIS, M.D., M.P.H.
County Health Officer

MEGAN McCLAIRE, M.S.P.H.
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JEFFREY D. GUNZENHAUSER, M.D., M.P.H.
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VIA ELECTRONIC MAIL

BINA PATEL

BINA.PATEL@NV5.COM

September 1, 2021

Dear Bina:

SUBJECT: Public Records Request- 23320 S. Alameda St, Carson, CA 90810

I, the undersigned, being the Custodian of Records, certify that a thorough search of our files, carried out under my direction and control, revealed no records as named in your request for records.

It is to be understood that this does not mean that records do not exist under another spelling, another name, or under another classification, but that with the information furnished to our office, and to the best of our knowledge, no such records exist in our files. Also, note that the DPH reserves the right to assert all applicable privileges/doctrines and exemptions.

If you have any questions, please email me at ycurtis@ph.lacounty.gov.

Yvonne Curtis

Sincerely,

Yvonne Curtis, Deputy Health Officer
Public Health Investigation

COR ID No. 213349

COMPANY / NAME

Air Products & Chem Inc

or attach business card

Address 23320 S Alameda St Carson Ca 90810

Phone ( )

PLANT VISIT

HAZARDOUS WASTE MANAGEMENT
CONTROL PROGRAM
Los Angeles County Fire Department
Division of Forester & Fire Warden

PHL 067220 Code 100 2251

DATE:	INITIAL	FINDINGS/REMARKS
9/19/97	SM	NO MGMT OR OTHER THAN SECTY — SO NO INSP MADE. OBTAINED MANIFST & LEFT CARD FOR CALL BACK FOR INSP
10/1/97	SM	INSP MADE. WASTE FROM RETURN TANKS — BURNED OR RELEASED. SOME WASTE OIL (1X/YR) COLLECTED. NOV ISSUED FOR LABELING.
9/29/99	MA	OB. 2780 & NOV. Issued
10/27/99	KCI	Call Pennsalvania HQ @ 1800 224-2724 and verified Closure of the Carson facility - Deleted in PHL data base 10/27/99 by Mila. File K. C. Smith & Assoc
6/23/2000	KCI	Business moved to 23300 S Alameda St Carson, Ca 90810. Unified Program form completed to change site location. New Acct # for this site is 018189. Acct #067220 and 005031 has been inactivated K C Smith & Assoc

tis M. Stewart
rations Supervisor

AIR PRODUCTS

Speciality Gas Division
Air Products and Chemicals, Inc.
23320 South Alameda Street
Long Beach, CA 90810
Telephone (310) 518-0430
1800 224-2724

CONTINUATION SHEET

Section #		Explanation

AIR PRODUCTS & CHEMICALS INC — SiteID: 019-999-005031

Location: 23320 S ALAMEDA ST #A — Bus. Phone: (310) 518-0430
City : LONG BEACH — Community: INACTIVE HANDLER

Mail: 23320 S ALAMEDA ST — State: CA
City: CARSON — Zip: 90810-

Owner: AIR PRODUCTS & CHEMICALS — Phone: (610) 481-4911
Addrs: 7201 HAMILTON BLVD — State: PA
City: ALLENTOWN — Zip: 18195-1501

Parcel ID: — Dunn/Brad:

INDUSTRIAL GASES
SIC: 2813 Your Activity Code:

Last Inv.: 201893H SqFt:
Last P.O.:

Regulatory Programs Fee Groups

A:	B:	C:	D:	E:	F:	G:	H:60	I:	J:	K:	L:	M:
N:	O:	P:	Q:	R:71	S:	T:	U:	V:	W:	X:	Y:	Z:

General Tracking Information

Unmanned: On: / / By:

District: Division: Battalion:

Insp. Uni: Inspector: Station:

Tracking Milestones

RMP		District Offices		Business Plan/Inventory	
Rept Year::	01/01/99	CENTRAL:	/ /	New BP Issued::	04/01/87
RS Received::	10/27/99	EL MONTE:	/ /	BP Accepted::	10/27/99
Former::	/ /	LOMITA:	02/09/00	BP Rejected::	09/24/87
Request RMPP::	/ /	METRO:	/ /	BP Received::	10/27/99
RMPP 1::	/ /	PARAMOUNT:	/ /	INV Rejected::	03/11/96
RMPP 2::	/ /	SYLMAR:	/ /	INV Accepted::	02/08/00
Audit/Inspect::	/ /	:	/ /	INV Received::	10/27/99
Corrections		**Other Disclosures**		**Current Data Entry**	
BP/INV C Maild:	03/22/96	BP RPT YEAR:	01/01/99	ADMN Data:	02/12/88
BP Corr Rec'd:	/ /	INV RPT YEAR:	01/01/99	Data Edited:	07/19/00
Final Notice:	/ /	INSPECTED:	/ /	Data Printed:	08/17/00
RS Corr Mailed:	/ /	ANNUAL CERT:	10/27/99	EMRS Data:	/ /
RS Corr Rec'd:	/ /	OES (2730):	10/27/99	Data Edited:	07/09/97
Inv Corr Rec'd:	04/02/96	MSDS:	/ /	Data Printed:	08/12/94
Inv Dist:	01/15/97	SEED ENTERED:	08/13/99	BLANK:	/ /

Public Health License

Now what?

T-Typo/minor
C-major Change

Q-out of busn
Z-dup acct
R-Revocation
W-no longer haz

U-Undelete

DELETED
10/22/99

2813 SIC 067220 Acct #
05/05/97 Eff date 18 Empl 100 Fee
AIR PRODUCTS & CHEMICALS INC
DBA

23320 S
Begin End Frc ♦
ALAMEDA ST
Street name typ ♦
CAR 90810- C -
Unit City ZIP Corp ID
310/518-0430 610/481-4911
Site phone Owner phone
AIR PRODUCTS & CHEMICALS INC
Owner

Partner

Control #
X103718

Care of
23320 S ALAMEDA ST LONG BEACH CA 90810-
Mailing address City State ZIP

Press Esc to abort Enter to continue

Los Angeles County • Certified Unified Program Agency

BUSINESS OWNER/OPERATOR IDENTIFICATION

018189 (FORMERLY OES 2730)

☒ NEW BUSINESS ☐ OUT OF BUSINESS ☐ REVISE/UPDATE (EFFECTIVE _____) PAGE ___ OF ___

I. IDENTIFICATION

FACILITY ID # 019-999-~~005031~~ 13184 | 1 | BEGINNING DATE January 1, 1999 | 100 | ENDING DATE December 31, 1999 | 101

BUSINESS NAME Air Products Carson Hydrogen Plant | 3 | BUSINESS PHONE 310/847-7300 | 102

SITE ADDRESS 23300 South Alameda Street | 103

CITY Carson | 104 | UNINCORPORATED ☐YES ☒NO | 33 a. | CA | ZIP CODE 90810 | 105

DUN & BRADSTREET 00-300-1070 (Air Products corporate headquarters in Allentown, PA) | 106 | LOS ANGELES | 108 | SIC CODE 2813 | 107

OPERATOR NAME Air Products and Chemicals, Inc. | 109 | OPERATOR PHONE 610/481-3354 | 110

II. BUSINESS OWNER

OWNER NAME (First Name, Last Name) (same as Operator Name) | 111 | OWNER PHONE (same as Operator Phone) | 112

OWNER MAILING ADDRESS 7201 Hamilton Blvd. | 113 | CITY Allentown | 114 | STATE 115 PA | ZIP CODE 18195-1501 | 116

III. ENVIRONMENTAL CONTACT

CONTACT NAME (First Name, Last Name) Ginger Patrick | 117 | CONTACT PHONE 610/481-3354 | 118

CONTACT MAILING ADDRESS Air Products and Chemicals, Inc. 7201 Hamilton Blvd. | 119 | CITY Allentown | 120 | STATE 121 PA | ZIP CODE 18195-1501 | 122

IV. EMERGENCY CONTACTS

PRIMARY		SECONDARY	
NAME (First Name, Last Name)	Marc Steinman 123	NAME (First Name, Last Name)	W. Dan Hodge 128
TITLE	Facility Manager 124	TITLE	Assistant Manager 129
BUSINESS PHONE	310/847-7300 125	BUSINESS PHONE	310/847-7300 130
24-HOUR PHONE	310/847-7300 126	24-HOUR PHONE	310/847-7300 131
PAGER #	888/579-6220 127	PAGER #	888/579-6221 132

V. ADDITIONAL LOCALLY COLLECTED INFORMATION

NUMBER OF EMPLOYEES 1 | 133 b.

VI. MAILING/BILLING INFORMATION

ADDRESS Air Products and Chemicals, Inc., Attn. S GEG Environmental, 7201 Hamilton Blvd. | 150 | CITY Allentown | 151 | STATE 152 PA | ZIPCODE 18195-1501 | 153

VII. CERTIFICATION

Certification: I certify under penalty of law that I have personally examined and am familiar with the information submitted in this inventory and believe the information is true, accurate, and complete.

Kent S. Kisenbauer 135	Kent S. Kisenbauer 136	Envir. Engr. 137
NAME OF DOCUMENT PREPARER (Print Firm Name, Last Name)	NAME OF SIGNER (Print First Name, Last Name)	TITLE
23-1274455 133 c	Kent S. Kisenbauer	10/26/99 134
TAX ID # or SOCIAL SECURITY #	SIGNATURE OF OWNER/OPERATOR or DESIGNATED REPRESENTATIVE	DATE

OFFICIAL USE ONLY	CPP	HW 100	HM 85	ARP	AST	UST	TP	CUPA	PA
INSPECTOR HCob	DISTRICT SB	DATE OF INSP. 9/29/99	DIV 1	BN 7	STA 105				

Lak 7/19/2000 FMD

Los Angeles County • Certified Unified Program Agency

BUSINESS ACTIVITIES

PAGE ___ OF ___

I. FACILITY IDENTIFICATION

FACILITY ID # 019-999-005031 (1)	EPA ID # (Hazardous Waste only) CAR000056135 (2)
BUSINESS NAME (Facility Name or DBA) Air Products Carson Hydrogen Plant (3)	

II. ACTIVITIES DECLARATION

If your facility does any of the following activities. ▸ Submit Business Owner/Operator Identification page and any of the following applicable form(s)

Does Your Facility...		If Yes, Please Complete...
A. HAZARDOUS MATERIALS Have hazardous materials stored on site (for any purpose) at or above 55 gallons for liquids, 500 pounds for solids, or 200 cubic feet for compressed gases (include liquids stored in ASTs and USTs) ?	☒YES ☐NO 4	▸ HAZARDOUS MATERIALS INVENTORY - CHEMICAL DESCRIPTION FORM (OES Form 2731) ▸ CONSOLIDATED CONTINGENCY PLAN (format not included) ▸ TRAINING PLAN (format not included)
B. UNDERGROUND STORAGE TANKS (UST) 1. Own or operate underground storage tanks (UST) ?	☐YES ☒NO 5	▸ UST FACILITY ▸ UST TANK (one page per tank)
2. Intend to upgrade existing or install new USTs ?	☐YES ☒NO 6	▸ UST INSTALLATION - CERTIFICATE OF COMPLIANCE (one page per tank)
3. Need to report closing a UST ?	☐YES ☒NO 7	▸ UST TANK (closure portion - one page per tank)
C. ABOVE GROUND PETROLEUM STORAGE TANKS (APST or ASTs) Own or operate APSTs above these thresholds: 1. the tank capacity is greater than 660 gallons, or, 2. the total capacity for the facility is greater than 1,320 gallons?	☒YES ☐NO 8	▸ No form is required at this time. However, if you answered yes, prepare and maintain a Spill Prevention Control and Countermeasure (SPCC) plan to address oil spills and releases from the APST(s) at your facility.
D. HAZARDOUS WASTE 1. Generate hazardous waste?	☒YES ☐NO 9	▸ EPA ID number - provide at the top of this page ▸ As a Hazardous Waste Generator, answer yes to item E.2. and complete applicable forms.
2. Recycle more than 100 kilograms/month (or 220 pounds/month) of excluded or exempted recyclable materials (per Health and Safety Code Section 25143.2) ?	☐YES ☒NO 10	▸ RECYCLABLE MATERIALS REPORT (For claiming exclusions or exemptions under Health and Safety Code Section 25143.2)
3. Treat Hazardous Waste on site?	☐YES ☒NO 11	▸ ONSITE HAZARDOUS WASTE TREATMENT - FACILITY
4. Treatment subject to Financial assurance requirement (for Permit by Rule and Conditional Authorization) ?	☐YES ☒NO 12	▸ ONSITE HAZARDOUS WASTE TREATMENT - UNIT (one page per unit) ▸ CERTIFICATION OF FINANCIAL ASSURANCE
5. Consolidate Hazardous Waste generated at a remote site?	☐YES ☒NO 13	▸ REMOTE WASTE / CONSOLIDATION SITE ANNUAL NOTIFICATION
6. Need to report the closure/removal of a tank that was classified as hazardous waste and cleaned onsite?	☐YES ☒NO 14	▸ HAZARDOUS WASTE TANK CLOSURE CERTIFICATION
E. REGULATED SUBSTANCES (RS) 1. Have Regulated Substances (RS) including extremely hazardous substances (EHS) stored on site at greater than the threshold planning quantities established by the California Accidental Release Prevention Program (Cal ARP) ?	☒YES ☐NO 15a	▸ HAZARDOUS MATERIALS INVENTORY - CHEMICAL DESCRIPTION FORM (OES Form 2731) ▸ REGULATED SUBSTANCE REGISTRATION FORM (OES Form 2735.6) ▸ RISK MANAGEMENT PLAN (when required)
F. LOCAL REQUIREMENTS 2. Have hazardous materials stored on site at or above a threshold amount established by the local agency ?	☒YES ☐NO 15b	▸ CONSULT LOCAL AGENCY OR CUPA FOR REPORTING REQUIREMENTS
3. Required by CUPA to provide other information ?	☒YES ☐NO 15c	▸ WASTE GENERATOR FORM (LA County)

OFFICIAL USE ONLY

DATE REC'D	HW	HM	ARP	AST	UST	TP	CUPA	PA

District: SB Division: 1 Battalion: 7

Insp. Uni: Inspector: Station: 127

Tracking Milestones

RMP		District Offices		Business Plan/Inventory	
Rept Year::	/ /	CENTRAL:	/ /	New BP Issued::	/ /
RS Received::	/ /	EL MONTE:	/ /	BP Accepted::	10/27/99
Former::	/ /	LOMITA:	06/23/00	BP Rejected::	/ /
Request RMPP::	/ /	METRO:	/ /	BP Received::	10/27/99
RMPP 1::	/ /	PARAMOUNT:	/ /	INV Rejected::	/ /
RMPP 2::	/ /	SYLMAR:	/ /	INV Accepted::	02/08/00
Audit/Inspect::	/ /	:	/ /	INV Received::	10/27/99

Corrections		Other Disclosures		Current Data Entry	
BP/INV C Maild:	/ /	BP RPT YEAR:	01/01/99	ADMN Data:	/ /
BP Corr Rec'd:	/ /	INV RPT YEAR:	01/01/99	Data Edited:	07/19/00
Final Notice:	/ /	INSPECTED:	09/29/99	Data Printed:	07/19/00
RS Corr Mailed:	/ /	ANNUAL CERT:	/ /	EMRS Data:	/ /
RS Corr Rec'd:	/ /	OES (2730):	10/27/99	Data Edited:	07/19/00
Inv Corr Rec'd:	/ /	MSDS:	/ /	Data Printed:	/ /
Inv Dist:	/ /	SEED ENTERED:	02/08/00	BLANK:	/ /

Mail: 7201 HAMILTON BLVD State: PA

City: ALLENTOWN Zip: 18195-1501

Owner: AIR PRODUCTS AND CHEMICALS INC Phone: (610) 481-3354

Addrs: 7201 HAMILTON BLVD State: PA

City: ALLENTOWN Zip: 18195-1501

Parcel ID: Dunn/Brad: 00-300-1070

INDUSTRIAL GASES Last Inv.: SqFt:

SIC: 2813 Your Activity Code: Last P.O.:

Regulatory Programs Fee Groups

A:	B:	C:	D:	E:	F:	G:	H:05	I:	J:	K:	L:	M:	
N:	O:	P:	Q:	R:	S:	T:	U:	V:	W:	X:	Y:	Z:	

General Tracking Information

Unmanned: On: 09/29/99 By: AKIB

District: SB Division: 1 Battalion: 7

Insp. Uni: Inspector: Station: 127

Tracking Milestones

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* RMP                        District Offi          Business Plan/Inventory  *
*     Rept Year::   / /            CENTRAL:   / /    New BP Issued::   / /   *
*   RS Received::   / /          EL MONTE:   / /     BP Accepted:: 10/27/99 *
*        Former::   / /            LOMITA: 06/23/00    BP Rejected::   / /   *
*  Request RMPP::   / /             METRO:   / /     BP Received:: 10/27/99 *
*        RMPP 1::   / /         PARAMOUNT:   / /     INV Rejected::   / /   *
*        RMPP 2::   / /            SYLMAR:   / /     INV Accepted:: 02/08/00 *
* Audit/Inspect::   / /                 :   / /     INV Received:: 10/27/99 *
*                                                                           *
* Corrections               Other Disclosures        Current Data Entry     *
* BP/INV C Maild:   / /       BP RPT YEAR: 01/01/99      ADMN Data:   / /   *
*  BP Corr Rec'd:   / /      INV RPT YEAR: 01/01/99     Data Edited: 07/19/00 *
*   Final Notice:   / /         INSPECTED: 09/29/99    Data Printed: 07/19/00 *
* RS Corr Mail
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                                                          2813   0181898
      Public Health License                               SIC    Acct #8
                                          02/07/00              11   1008
                                          Eff date            Empl  Fee8
      Now what?                           AIR PRODUCTS CARSON HYDROGEN
                                          DBA                          8
    * T-Typo/minor      *   i23300         S
    * C-major Change    *   iBegin End Frc
                            iALAMEDA                 ST
    * Q-out of busn     *   iStreet name             typ
    * Z-dup acct        *   i      CAR   90810-        C 23-1274455 8
    * R-Revocation      *   iUnit  City  ZIP             Corp ID    8
    * W-no longer haz    *    310/847-7300                 /  -     8
                            iSite phone                 Owner phone 8
    * U-Undelete        *                AIR PRODUCTS AND CHEMICALS  8
                                          Owner                        8

  Control #    iGEG ENVIRONMENTAL         Partner
   X100972     iCare of
               i7201 HAMILTON BLVD        ALLENTOWN        PA 18195-1501
               iMailing address           City          State ZIP

                                  Press Esc to abort Enter to continue
```

```
                                                          2813   0181898
      Public Health License                               SIC    Acct #8
                                          02/07/00              11   1008
                                          Eff date            Empl  Fee8
      Now what?                           AIR PRODUCTS CARSON HYDROGEN
                                          DBA                          8
    * T-Typo/minor      *   i23300         S
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    * Q-out of busn     *   iStreet name             typ
    * Z-dup acct        *   i      CAR   90810-        C 23-1274455 8
    * R-Revocation      *   iUnit  City  ZIP             Corp ID    8
    * W-no longer haz    *    310/847-7300                 /  -     8
                            iSite phone                 Owner phone 8
    * U-Undelete        *                AIR PRODUCTS AND CHEMICALS  8
                                          Owner                        8

  Control #    iGEG ENVIRONMENTAL         Partner
   X100972     iCare of
```

AIR PRODUCTS

Post-it® Fax Note 7671	Date 10/27/99	# of pages ▶ 4
To Sinuri Akib	From Kent Kisenbauer	
Co./Dept. LA County FD	Co. Air Products	
Phone # 310/534-6270	Phone # 610/481-6463	
Fax # 310/539-6948	Fax # 610/481-6186	

Air Products and Chemicals, Inc.
7201 Hamilton Boulevard
Allentown, PA 18195-1501
Telephone (610) 481-4911

Via Federal Express

26 October 1999

Attention: Data Operations Unit
Los Angeles County Fire Department
Health Hazardous Materials Division
5825 Rickenbacker Road
Commerce, CA 90040-3027

Subject: Air Products and Chemicals, Inc.
Air Products Carson Hydrogen Plant
Los Angeles County Certified Unified Program Agency (CUPA)
Submittal of Consolidated Permit Application Package

Dear Madam or Sir:

Enclosed is the Consolidated Permit Application Package for the new Air Products Carson Hydrogen Plant. This facility is located at 23300 South Alameda Street, Carson, California. The facility is owned and operated by Air Products and Chemicals, Inc. (Air Products). Construction of the facility is nearing completion. We are in the process of commissioning and starting up the facility. Based on our current schedule, we plan to have the facility ready for commercial operation on 22 November 1999.

The enclosed package consists of the following completed items:

- Business Activities Page
- Business Owner/Operator Identification Page
- Hazardous Materials Inventory - Chemical Description Forms
- Regulated Substance Registration Forms
- Business Plan Form
- Site Map
- Hazardous Waste Generator Form

As per the instructions for the Consolidated Permit Application Package, we have not enclosed any payments. It is our understanding we will be billed later by the LA County Fire Department Financial Management Division.

AIR PRODUCTS & CHEMICALS INC — SiteID: 019-999-005031

Hazmat: 60 Active / -Inactive Materials — Fixed Containers at Site

Hazmat Common Name	EPA Hazards	Frm	DailyMax	Unit	MCP
FREON 14	P	L	3500.00	LBS	Low
LIQUID NITROGEN	P	L	3000.00	GAL	Low
FREON 22	P IH	L	1000.00	LBS	Low
FREON 23	P IH	L	1000.00	LBS	Low
FYRQUEL OIL		L	55.00	GAL	Low
PUMP OIL	F DH	L	55.00	GAL	Low
XENON	P	G	40.00	FT3	Low
HELIUM	P	G	150000.00	FT3	Min
ARGON	P	G	45000.00	FT3	Min
COMPRESSED AIR	P	G	25000.00	FT3	Min
SULFUR HEXAFLUORIDE	P	L	7085.00	GAL	Min
HELIUM-ARGON MIX	P	G	3000.00	FT3	Min
ARGON	P	L	1500.00	GAL	Min
FREON 12	P IH	L	1000.00	LBS	Min
KRYPTON	P	G	400.00	FT3	Min
FREON 116	P IH	L	300.00	LBS	Min

<Dn/Arrow> Scroll <Enter> Select <F> Find <O> Order <S> Scope <M> More

AIR PRODUCTS & CHEMICALS INC — SiteID: 019-999-005031

Hazmat: 60 Active / -Inactive Materials — Fixed Containers at Site

Hazmat Common Name	EPA Hazards	Frm	DailyMax	Unit	MCP
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FREON 23	P IH	L	1000.00	LBS	Low
FYRQUEL OIL		L	55.00	GAL	Low
PUMP OIL	F DH	L	55.00	GAL	Low
XENON	P	G	40.00	FT3	Low
HELIUM	P	G	150000.00	FT3	Min
ARGON	P	G	45000.00	FT3	Min
COMPRESSED AIR	P	G	25000.00	FT3	Min
SULFUR HEXAFLUORIDE	P	L	7085.00	GAL	Min
HELIUM-ARGON MIX	P	G	3000.00	FT3	Min
ARGON	P	L	1500.00	GAL	Min
FREON 12	P IH	L	1000.00	LBS	Min
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FREON 116	P IH	L	300.00	LBS	Min

<Dn/Arrow> Scroll <Enter> Select <F> Find <O> Order <S> Scope <M> More

AIR PRODUCTS & CHEMICALS INC — SiteID: 019-999-005031

Hazmat: 60 Active / -Inactive Materials — Fixed Containers at Site

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FREON 14	P	L	3500.00	LBS	Low
LIQUID NITROGEN	P	L	3000.00	GAL	Low

Air Products and Chemicals, Inc.
7201 Hamilton Boulevard
Allentown, PA 18195-1501
Telephone (610) 481-4911

CERTIFIED MAIL RETURN RECEIPT

12 November, 1999

Los Angeles County CUPA
Health Hazardous Materials Division
Attn.: Kenneth Smith, Supervisor HMM
24300-A Narbonie Ave.
Lomita, CA 90717

RE: Air Products and Chemicals, Inc. (Air Products)
23320 S. Alameda Street, Carson CA
Facility ID# 067220
EPA ID No. CAT 0800 10655

Dear Mr. Smith:

This letter is in response to the 9-29-99 Notice of Violation and Order To Comply (NOV) issued to the above referenced facility. As per our 9 Nov 1999 telephone conversation you extended the NOV Correction Date from 10/29/99 to 3 December 1999 because the postmark on the NOV envelope was 2 Nov 1999.

NOV Item No. 581 - *Submit generator manifest copies to CAL-EPA Dept. of Toxic Substances Control (DTSC) within 30 days of each shipment of hazardous waste [22CCR 66262.23(b)].*

Enclosed please find a copy of the 8 September 1999 dated cover letter for the "blue" manifest copies submitted to DTSC for the hazardous wastes generated from/by the facility closure. The manifest shipment date was 8/24/99; therefore, the manifest submittal was within the required 30 day time frame.

NOV Item No. 587 - *Receipts for used oil [H&S 25250.8(b(3))].*

Used oil generated from/by the facility closure activities is listed on the enclosed Manifest number 98521481 Section 11 D (4 drums, 1628 lbs).

Manifest System Document Review Comment - *Provide manifests for all hazardous wastes generated on premises.*

Because facility was/is closed, all facility records have been shipped to Air Products Corporate office in Allentown PA. Hazardous waste manifests associated with the facility closure are enclosed. However it is unclear if comment applies to manifests generated throughout history of facility or only for 1999 closure activities. Please specify the years and or dates of facility manifests of interest.

NOV Item No. 645 - *Owner or operator shall close the facility in a manner that: (a) minimizes the need for further maintenance, and (b) controls or eliminates all contaminated equipment, structures, and soil; or decontaminate by removing all hazardous waste residues [22CCR 66265.11, 66265.114, H&S 25187].*

22 CCR 66265.111 through 66265.115 applies to owners and operators of hazardous waste management facilities. As per the 22 CCR 66260.10 definition listed below, 22 CCR 66265.111 through 66265.115 **is not applicable** to the Air Products 23320 South Alameda facility because it was not a hazardous waste management facility only a hazardous waste generator. .

> *Hazardous waste facility," "hazardous waste management facility," "HW facility," or "facility" means: (a) all contiguous land and structures, other appurtenances, and improvements on the land used for the treatment, transfer, storage, resource recovery, disposal or recycling of hazardous waste. A hazardous waste facility may consist of one or more treatment, transfer, storage, resource recovery, disposal or recycling operational units or combinations of these units. (b) For the purpose of implementing corrective action under this division, hazardous waste facility includes all contiguous property under the control of the owner or operator that is required to implement corrective action.*
> *"Hazardous waste management facility" see "Hazardous waste facility".*

Air Products is requesting a written response or confirmation of the adequacy of the NOV items addressed and corrected by this submittal. If you have any questions or require additional information, please contact me at 610/481-3354, between 7:00 am and 4:30 p.m. east coast time.

Sincerely,

Ginger Patrick
Facility Environmental Coordinator
Gases & Equipment Environmental Group

enclosure

c: S. Akib, HHMD
24300 A. Narbonne Ave.
Lomite, CA 90717

S. Stewart / mc# 057

FREON 22	P	IH	L	1000.00	LBS Low
FREON 23	P	IH	L	1000.00	LBS Low
FYRQUEL OIL			L	55.00	GAL Low
PUMP OIL	F	DH	L	55.00	GAL Low
XENON	P		G	40.00	FT3 Low
HELIUM	P		G	150000.00	FT3 Min
ARGON	P		G	45000.00	FT3 Min
COMPRESSED AIR	P		G	25000.00	FT3 Min
SULFUR HEXAFLUORIDE	P		L	7085.00	GAL Min
HELIUM-ARGON MIX	P		G	3000.00	FT3 Min
ARGON	P		L	1500.00	GAL Min
FREON 12	P	IH	L	1000.00	LBS Min
KRYPTON	P		G	400.00	FT3 Min
FREON 116	P	IH	L	300.00	LBS Min

<Dn/Arrow> Scroll <Enter> Select <F> Find <O> Order <S> Scope <M> More

Public Health License

DELETED 2813 067220
10/22/99 SIC Acct #
05/05/97 18 100
Eff date Empl Fee
AIR PRODUCTS & CHEMICALS INC
DBA
23320 S
Begin End Frc ♦
ALAMEDA ST
Street name typ ♦
CAR 90810- C -
Unit City ZIP Corp ID
310/518-0430 610/481-4911
Site phone Owner phone
AIR PRODUCTS & CHEMICALS INC
Owner

Partner

Care of
23320 S ALAMEDA ST LONG BEACH CA 90810-
Mailing address City State ZIP

Esc Quit -- View Only -- F5 History PgUp Prev PgDn Next

Public Health License

DELETED 2813 067220
10/22/99 SIC Acct #
05/05/97 18 100
Eff date Empl Fee
AIR PRODUCTS & CHEMICALS INC
DBA
23320 S
Begin End Frc ♦
ALAMEDA ST
Street name typ ♦
CAR 90810- C -
Unit City ZIP Corp ID
310/518-0430 610/481-4911
Site phone Owner phone

County of Los Angeles • Fire Department
Health Hazardous Materials Division

INSPECTION SUMMARY REPORT

PAGE 1 OF ____

Business Name: AIR Products & Chemical		Phone: 310.518.0480	Facility ID #: 067220
Site Address: 23320 S. Alameda St.			Industry Type: Gas Canisters Refill
City: Carson	CA	Zip Code: 90810	Operating hrs: 0500 - 1730
Mailing Address: 901 W. 12th Street		Business owner:	EPA #:
City: Long Beach	State: CA	Zip Code: 90813	Sic Code: 2813 / No of Empl.
Insp Dist: SB	Insp Unit:	Div: HHMD	Map Page: 194 / Grid: H3
			BN: 7 / Sta: 105

FEE GROUP	TREATMENT TIERS	OTHER	CLASS OF VIOLATIONS
☐ Disclosure/RS ____	A. ____ PBR, FHHW, HHHW	☐ Financial Assurance	
☐ CalARP ____	B. ____ CA	☐ Phase I	
☐ UST ____	C. ____ CEL	☐ Offsite HazWaste Consolidation	
☐ AST/SPCC ☐Y ☐N	D. ____ CE-CL	☐ Recycling Notification	
☒ HazWaste Generator 01B	E. ____ CESW	☐ Pollution Prevention Report	
☐ Large Quantity Generator	F. ____ CESQT		
☐ Tiered Permit ____	____ Total Units		

	I	II	Minor
HW			
TP			
HM			

CA Waste Code			N/A			
RCRA Waste Code						
AMT (PGTY) Pounds, Gallons Yds, Tons: per quarter						

Referrals ☐ AQMD ☐ B & S ☐ FIRE ☐ IW ☐ OSHA ☐ DTSC ☐ RWQCB ☐ ____

Visit Date	Start Time	Insp Type	Pro Elem	Time Invested	Action Code	Special Circumstances
9/29/99	10:45	I	HW	01:00	OB	No access to facility. Fenced intercom/ut operable.
/ /	:		HM	:	2730	
/ /	:			:		
/ /	:			:		
/ /	:			:		
				Total Time:	:	

INSPECTION TYPE: 004: Complaint 001: Inspection 009: Joint Inspection 010: Joint with Agency 011: Multimedia 002: Revisit 012: Permit 023: Sampling 560: Closure
PROGRAM ELEMENT: HM HW TP AST UST RS
ACTION CODES: A: Abate AO: Adm Order CR: Criminal Referral H: Hearing N: NOV O: No viol T: Time ext X: Other Z: non-gen

Insp No: 058	Signature:	Date: 9/29/99
Consent given by:	Title:	Date:

AIR PRODUCTS

Air Products and Chemicals, Inc.
901 W. 12th Street
Long Beach, CA 90813
Telephone (562) 437-0462

August 11, 1999

Los Angeles County Certified Unified Program Agency
1320 North Eastern Avenue
Los Angeles, CA 90063-3294

Re: LACo/CUPA Number 005031
Air Products & Chemicals, Inc.
23320 S. Alameda Street #A
Carson, CA 90810

This letter is to inform you that the above location is closing down and will no longer have hazardous materials on site after August 31, 1999.

Please update your records of this change.

Sincerely,

Shelley Stuart
Plant Manager

SS/ed

SEP 14 1999

Air Products and Chemicals, Inc.
7201 Hamilton Boulevard
Allentown, PA 18195-1501
Telephone (610) 481-4911

CERTIFIED MAIL RETURN RECEIPT

12 November, 1999

Los Angeles County CUPA
Health Hazardous Materials Division
Attn.: Kenneth Smith, Supervisor HMM
24300-A Narbonie Ave.
Lomita, CA 90717

RE: Air Products and Chemicals, Inc. (Air Products)
23320 S. Alameda Street, Carson CA
Facility ID# 067220
EPA ID No. CAT 0800 10655

Dear Mr. Smith:

This letter is in response to the 9-29-99 Notice of Violation and Order To Comply (NOV) issued to the above referenced facility. As per our 9 Nov 1999 telephone conversation you extended the NOV Correction Date from 10/29/99 to 3 December 1999 because the postmark on the NOV envelope was 2 Nov 1999.

NOV Item No. 581 - *Submit generator manifest copies to CAL-EPA Dept. of Toxic Substances Control (DTSC) within 30 days of each shipment of hazardous waste [22CCR 66262.23(b)].*

Enclosed please find a copy of the 8 September 1999 dated cover letter for the "blue" manifest copies submitted to DTSC for the hazardous wastes generated from/by the facility closure. The manifest shipment date was 8/24/99; therefore, the manifest submittal was within the required 30 day time frame.

NOV Item No. 587 - *Receipts for used oil [H&S 25250.8(b(3))].*

Used oil generated from/by the facility closure activities is listed on the enclosed Manifest number 98521481 Section 11 D (4 drums, 1628 lbs).

Manifest System Document Review Comment - *Provide manifests for all hazardous wastes generated on premises.*

Because facility was/is closed, all facility records have been shipped to Air Products Corporate office in Allentown PA. Hazardous waste manifests associated with the facility closure are enclosed. However it is unclear if comment applies to manifests generated throughout history of facility or only for 1999 closure activities. Please specify the years and or dates of facility manifests of interest.

NOV Item No. 645 - *Owner or operator shall close the facility in a manner that: (a) minimizes the need for further maintenance, and (b) controls or eliminates all contaminated equipment, structures, and soil; or decontaminate by removing all hazardous waste residues [22CCR 66265.11, 66265.114, H&S 25187].*

22 CCR 66265.111 through 66265.115 applies to owners and operators of hazardous waste management facilities. As per the 22 CCR 66260.10 definition listed below, 22 CCR 66265.111 through 66265.115 **is not applicable** to the Air Products 23320 South Alameda facility because it was not a hazardous waste management facility only a hazardous waste generator. .

Hazardous waste facility," "hazardous waste management facility," "HW facility," or "facility" means: (a) all contiguous land and structures, other appurtenances, and improvements on the land used for the treatment, transfer, storage, resource recovery, disposal or recycling of hazardous waste. A hazardous waste facility may consist of one or more treatment, transfer, storage, resource recovery, disposal or recycling operational units or combinations of these units. (b) For the purpose of implementing corrective action under this division, hazardous waste facility includes all contiguous property under the control of the owner or operator that is required to implement corrective action.
"Hazardous waste management facility" see "Hazardous waste facility".

Air Products is requesting a written response or confirmation of the adequacy of the NOV items addressed and corrected by this submittal. If you have any questions or require additional information, please contact me at 610/481-3354, between 7:00 am and 4:30 p.m. east coast time.

Sincerely,

Ginger Patrick

Ginger Patrick
Facility Environmental Coordinator
Gases & Equipment Environmental Group

enclosure

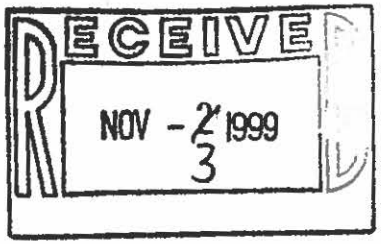
c: S. Akib, HHMD
24300 A. Narbonne Ave.
Lomite, CA 90717

S. Stewart / mc# 057

County Of Los Angeles Fire Dept.
Health Hazxardous Materials Div.
24300-A So. Narbonne Av
Lomita, Ca 90717

HELP PREVENT FIRES





Air Products & Chemicals, inc
901 W. 12th Street
Long Beach, CA 90813

30813+2813

Los Angeles County • Certified Unified Program Agency
Health Hazardous Materials Division
Participating Agency to the City of Los Angeles and Santa Monica

NOTICE OF VIOLATION AND ORDER TO COMPLY

OWNER: Shelley Stuatt (Mgr)	FACILITY ID#: 067220	DATE: 9-29-99	
BUSINESS: Air Products & Chemicals, Inc.		REFER REPLY TO: SI AKIB HHMD 24309 A Narbonne Ave. Lomita, CA 90717 310. 534. 6270	
ADDRESS: 23320 S. Alameda St.			
CITY: Carson	ZIP: 90810		

Attention: The items marked on this notice and issued to you represent violations of the California Code of Regulations (CCR) or the California Health and Safety Code (H&S) and/or the Los Angeles County Code. These violations may result in non compliance fees, permit revocation, and/or civil/criminal penalties. Any time granted for correction of the violation(s) does not preclude any enforcement action by this Department or other agencies. *You are hereby directed to correct the violations within the time specified.* Failure to do so will be considered an additional violation. (Referenced titles & chapters: Titles 19, 22, 23, 27 of the CCR, Chapters 6.5, 6.7, 6.95 of the H&S Code and Title 12 of the Los Angeles County Ordinance).

PERMIT REQUIREMENT

Correction Date ___/___/___

101 ☐ Obtain a Unified Program Facility Permit by submitting a completed consolidated permit application package (CPP) (LA Co Ord. Sec. 12.50.075, 12.50.115).

HAZARDOUS WASTE GENERATOR REQUIREMENTS

HAZARDOUS WASTE DETERMINATION

Correction Date ___/___/___

501 ☐ Provide a hazardous waste determination for the following waste:

502 ☐ If using knowledge of the hazard characteristic and/or exclusion from regulation, provide supporting documentation (22CCR 66262.11).

IDENTIFICATION NUMBER

Correction Date ___/___/___

503 ☐ Obtain an EPA Identification number prior to treating, storing, disposal or transportation of hazardous waste (contact Cal-EPA at 916-324-1781, Fed EPA at 415-495-8895 for ID number).

504 ☐ Use a transporter or TSDF that has a valid Identification Number for transportation, treatment, storage, or disposal of hazardous waste [22CCR 66262.12(c)].

DISPOSAL, TREATMENT & TRANSPORTATION

Correction Date ___/___/___

505 ☐ Discontinue disposal of hazardous waste to an unauthorized location or to a facility which does not have a permit [H&S 25189.5(a)]

506 ☐ Obtain a permit/authorization for disposal of hazardous waste or legally dispose of such waste [H&S 25201(a), 22CCR 66270.1].

507 ☐ Discontinue transportation of hazardous waste or obtain a valid registration issued by DTSC prior to transportation or transfer of hazardous waste [H&S 25163(a)(1)].

508 ☐ Discontinue treatment of hazardous waste or obtain a valid permit or authorization for treatment of hazardous waste [H&S 25201(a)].

STORAGE

Correction Date ___/___/___

■ Discontinue storage or obtain a valid permit/authorization for storage of:

509 ☐ On-site hazardous waste in tanks or containers for more than 90 days [H&S 25201(a), 25123.3(b)(1), 22CCR 66262.34(c)].

510 ☐ On-site hazardous waste in tanks or containers in quantities exceeding 6,000 kilograms, or for more than the applicable accumulation period (180/270 days for generators of less than 1000 kg in any calendar month) [H&S 25201(a), 25123.3(h), 22CCR 66262.34(d)].

511 ☐ On-site hazardous waste for longer than one year or longer than the applicable accumulation time after 55 gallons has been reached at the point of generation (satellite storage) [22CCR 66262.34(e)].

512 ☐ Off-site hazardous waste in tanks/containers for any time period [H&S 25201(a), 25123.3(b)(2)].

513 ☐ Hazardous waste in other than containers, tanks, drip pads, or containment buildings [H&S 25201(a), 25123.3(b)(4)].

514 ☐ Hazardous waste at a transfer facility longer that 6 days or longer than 10 days for transfer facilities in industrially zoned areas [H&S 25201(a), 25123.3(b)(2),22CCR 66263.18].

515 ☐ Obtain an extension from DTSC for storage of hazardous waste at the staging site for remediation longer than one year [H&S 25201(a), 25123.3(e)].

DBA/Name	Air Products, Inc.	Owner	Air Products, Inc.

USE AND MANAGEMENT OF CONTAINERS

Correction Date ____/____/____

■ Immediately transfer hazardous waste from containers that are:

516 ☐ Leaking or in poor condition (22CCR 66265.171).

517 ☐ Incompatible with contents (22CCR 66265.172).

518 ☐ Keep containers of hazardous waste closed, except when adding or removing contents [22CCR 66265.173(a)].

519 ☐ Handle containers of hazardous waste in a manner which will avoid causing ruptures/leaks [22CCR 66265.173(b)].

520 ☐ Discontinue placing incompatible wastes which may adversely react in the same container [22CCR 66265.177 (a)(b)].

521 ☐ Inspect areas at least weekly, where containers are stored, for leaking or deteriorating containers and containment systems (22CCR 66265.174).

■ If greater than 1000 kg of hazardous waste is accumulated within any calendar month, comply with the following:

522 ☐ Locate ignitable/reactive waste at least 15 meters (50 feet) from the site property line (22CCR 66265.176).

523 ☐ Separate, or protect by a berm or other device, containers of hazardous waste which are incompatible with other wastes or materials stored nearby. [22CCR 66265.177(c)].

524 ☐ Store hazardous materials in undamaged containers within 96 hours or manage as a hazardous waste [22CCR 66261.2(f)(2)].

CONTAMINATED CONTAINERS

Correction Date ____/____/____

525 ☐ Mark containers or inner liners greater than 5 gallons with the date emptied. Legally manage containers within one year of that date [22CCR 66261.7(e)(f)].

526 ☐ Manage as hazardous waste all containers, or inner liners of containers that contained hazardous waste and which are not legally empty, per CCR 66261.7(b) or (d) [22CCR 66261.7(p)].

LABELING AND MARKING REQUIREMENTS

Correction Date ____/____/____

527 ☐ Package, label and mark each container of hazardous waste per DOT(49CFR Parts 173, 178, 179) requirements before offering for transportation off site [22CCR 66262.31].

528 ☐ Ensure the transport vehicle is correctly placarded per DOT (49 CFR Part 172, Subpart F) for hazardous materials before offering hazardous waste for transportation off-site (22CCR 66262.33).

530 ☐ Mark containers of hazardous waste at the satellite accumulation area, with the date 55 gallons was reached within 3 days of reaching the limit [22CCR 66262.34(e)(3)].

531 ☐ Mark the accumulation start date on each container and portable tank [22CCR 66262.34(f)(1)].

532 ☐ Mark the date that the applicable accumulation period begins for each container and tank [22CCR 66262.34 (f)(2)].

533 ☐ Label each container and tank of hazardous waste with the words "Hazardous Waste" [22CCR 66262.34(f)(3)].

534 ☐ Label each hazardous waste container and tank with the composition, physical state, hazardous properties of the waste contained therein and the name and address of the generator [22CCR 66262.34(f)(3)].

535 ☐ Label hazardous materials container properly within 10 days or handle as a hazardous waste [22CCR 66261.2(f)(1)].

TANKS

Correction Date ____/____/____

536 ☐ Determine whether a tank is leaking or unfit for tank systems without secondary containment. Maintain a written integrity assessment certified by a registered professional civil engineer (22CCR 66265 et seq).

537 ☐ Ensure that a tank system is designed adequately of sufficient structural strength, and compatible with its contents [22CCR 66265.191(b)].

538 ☐ For tank systems installed after 07/14/86, retain on site the required written assessment certified by a registered professional engineer for tank testing that the system has sufficient structural integrity [22CCR 66265.192(a)].

539 ☐ Provide secondary containment capable of collecting and detecting within 24 hours any leaked hazardous waste [22CCR 66265.193(c)(4)].

540 ☐ Discontinue placing hazardous waste, or treatment reagents, in a tank system which will cause the tanks, containment system or ancillary equipment to leak, ignite or react [22CCR 66265.194(a)].

541 ☐ Store or treat ignitable or reactive hazardous waste in tanks in a manner that will prevent the possibility of the waste to ignite or react [22CCR 66265.198(a)].

542 ☐ Utilize control practices which prevent spillage and overflow [22CCR 66265.194(b)].

543 ☐ Maintain sufficient freeboard of at least 60 centimeters (2 ft) in uncovered tanks [22CCR 66265.194(b)(3)].

■ Conduct daily inspections of tanks for the following:

544 ☐ Discharge control equipment.

545 ☐ Corrosion.

546 ☐ Releases.

547 ☐ Monitoring and leak detection data.

548 ☐ Construction materials.

549 ☐ Secondary containment areas.

550 ☐ Level of waste in uncovered tanks [CCR 66265.195(a)].

551 ☐ Inspect cathodic protection systems (if present) and sources of impressed current [22CCR 66265.195(b)].

552 ☐ Immediately remove from service a tank system or secondary containment system that has leaked (22CCR 66265.196).

DBA/Name Air Products & Chemicals | Owner Air Products & Chem, Inc.

553 ☐ Remove/decontaminate all waste residues, contaminated tank systems and soils during closure of a tank system. Manage them as hazardous waste [22CCR 66265.197(a)].

554 ☐ Comply with buffer zone requirements for tanks containing ignitable or reactive hazardous waste per NFPA'S Flammable and Combustible Liquids Fire Code [22CCR 66265.198(b)].

RECYCLABLE MATERIALS

Correction Date ___/___/___

560 ☐ Store damaged batteries in closed containers which are capable of preventing release of acid and are labeled with the initial accumulation date [22CCR 66266.81(b)].

USED OIL/FILTERS

Correction Date ___/___/___

561 ☐ Discontinue contaminating used oil with hazardous waste (H&S Code section 25250.7).

562 ☐ Manage used oil to prevent discharge to sewer, drainage system, surface water, ground water, watercourses, or deposit on land. " Prevent" incineration of used oil or burning as fuel. [H&S 25250.05(a)].

563 ☐ Discontinue the use of used oil or recycled oil as a dust suppressant, insect or weed control agent [H&S 25250.5(b)].

■ Comply with the following requirements for handling used oil filters:

564 ☐ Manage used oil filters as hazardous waste, or . . . [22CCR 66266.130(a)].

565 ☐ Drain and recycle used oil filters as scrap metal within one year [22CCR 66266.130(b)].

566 ☐ Store filters in closed containers labeled with the words "Drained Used Oil Filters" and the accumulation start date [22CCR 66266.130 (c)(C)(3)].

567 ☐ Manage used oil that has been drained from used oil filters as hazardous waste [22CCR 66266.130(c)(6)].

PREPAREDNESS AND PREVENTION

Correction Date ___/___/___

568 ☐ Maintain site to minimize possibility of fire, explosion, or unplanned release of hazardous waste constituents to air, soil, or surface water, which could threaten human health or environment (22CCR 66265.31).

■ Equip the site with the following:

569 ☐ Internal communication alarm system [22CCR 66265.32(a)].

570 ☐ A device (i.e., telephone or two way radio) for calling outside emergency help [22CCR 66265.32(b)].

571 ☐ Fire, spill control and or decontamination equipment [22CCR 66265.32(c)].

572 ☐ Water at an adequate volume and pressure to supply water hose streams and foam-producing equipment, or automatic sprinkler [22CCR 66265.32(d)].

573 ☐ Test/maintain all communication and alarm systems, fire protection, spill control, or decontamination equipment (22CCR 66265.34)

574 ☐ Provide for immediate access to emergency communication and/or alarm systems during hazardous waste handling (22CCR 66265.34).

575 ☐ Maintain adequate aisle space for personnel and emergency equipment (22CCR 66265.35).

576 ☐ Make arrangements to familiarize police and fire emergency response, local hospitals, office of emergency services and or emergency response contractors, with potential hazards at the facility [22CCR 66265.37(a)].

577 ☐ Document in the operating records when state and local authorities refuse to enter into arrangement for emergency response [22CCR 66265.37(b)].

DOCUMENT REVIEW

MANIFEST SYSTEM

Correction Date 10/29/99

578 ☐ Prepare a complete Uniform Hazardous Waste Manifest for hazardous waste transported or sent offsite [22CCR 66262.20(a)].

579 ☐ Designate a facility on the manifest which is authorized to handle the hazardous waste [22CCR 66262.20 (b)].

580 ☐ Properly complete, sign, and date, applicable manifest sections [22CCR 66262.23(a)(1),(2)].

581 ☒ Submit generator manifest copies to CAL-EPA/Dept of Toxic Substances Control within 30 days of each shipment of hazardous waste [22CCR 66262.23(a)(4)].

582 ☐ Provide the appropriate manifest copies to the transporters [22CCR 66262.23(b)].

583 ☐ Submit the TSDF manifest copy that has been signed by all transporters (except rail transporters) and out-of-state facility operators to DTSC within 30 days for out-of-state shipments [H&S 25160(b)(3)].

■ Retain for a minimum of 3 years:

584 ☐ Signed copies of manifests [22CCR 66262.40(a)].

585 ☐ Shipping papers or receipts for milkrun operations for generators less than 100 kg/month [22CCR 66263.42(e)].

586 ☐ Copies of manifests/bills of lading for spent lead-acid batteries [22CCR 66266.81(a)(4), (B)].

DBA/Name	Owner
Air Products	Air Products

587 ☒ Receipts for used oil [H&S 25250.8(b)(3)].
588 ☐ Bills of lading for used oil filters [22CCR 66266.42(a), 66266.130(c)(5)].
589 ☐ Determine the status of a hazardous waste shipment when the facility manifest copy is not received within 35 days [22CCR 66262.42(a)].
590 ☐ Send an Exception Report to DTSC within 45 days when the facility manifest copy is not received [22CCR66262.42 (a)].

Provide manifests for all haz. waste generated on the premises

LAND DISPOSAL RESTRICTIONS (LDR)

Correction Date ____/____/____

591 ☐ Provide written notification to the receiving facility with each shipment stating whether the hazardous waste meets treatment standards [22CCR 66268.7(a)].

■ Notification must include the following:

592 ☐ EPA hazardous waste number or California Hazardous Waste Codes for non-RCRA hazardous waste listed in section 66268.29.
593 ☐ Corresponding treatment standards or technology set forth in Article 4 and 11 [22CCR 66268.7(a)(2)].
594 ☐ Manifest number associated with the waste shipment.
595 ☐ Waste analysis data, where available [22CCR 66268.7(a)(1)].
596 ☐ Submit a signed notice and certification for LDR waste which does not require further treatment [22CCR 66268.7(a)(2)].
597 ☐ Submit notification to the receiving facility that a waste is subject to an exemption [22CCR 66268.7(a)(3)].

599 ☐ Retain on site a copy of all notices, certifications, demonstrations, waste analysis data and other documentation, for at least five years [22CCR 66268.7(a)(7)].

EXPORTS OF HAZARDOUS WASTE

Correction Date ____/____/____

600 ☐ Exports of hazardous waste to a foreign country from the State are prohibited unless notification of intent to export is provided to US EPA/DTSC and consent of the receiving country is obtained (22CCR 66262.53 et seq).
601 ☐ Notify DTSC of intended export of hazardous waste 4 weeks prior to shipment [22CCR 66262.53(b)].
602 ☐ Replace the TSDF with the consignee on the manifest and identify the point of departure from the United States (22CCR 66262.54).

RECORDKEEPING AND REPORTING

Correction Date ____/____/____

603 ☐ Discontinue submission of manifests, records, applications or other documents containing false or erroneous information or statements [H&S 25189.5(a)].
604 ☐ Retain waste analysis test records for at least 3 years [22CCR 66262.40(b)].
605 ☐ Retain a copy of the Biennial Report/Exception Report for 3 years [22CCR 66262.40(b)].
606 ☐ Submit a Biennial Report with required information to DTSC by March 1 of even-numbered years [22CCR 66262.41(a)].
607 ☐ Submit a written report on a reportable release incident to the CUPA within 15 days of the event [H&S 25504(b), 22CCR 66265.56(j), 66265.77(a)].
608 ☐ Report to the local CUPA, every two years using the format established under section (d), the required information regarding the recycling of more that 100 kilograms per month of recyclable materials [H&S 25143.10(a)].

CONTINGENCY PLAN AND EMERGENCY PROCEDURES

Correction Date ____/____/____

610 ☐ For small quantity generators, post emergency numbers and location of emergency equipment next to the telephone [40 CFR 262.34(d)(5)].
611 ☐ Maintain a contingency plan onsite [22CCR 66265.51(a)]. *(A California Hazardous Materials Consolidated Contingency Plan that complies with the regulatory compliance matrix may be used to comply with the business plan and contingency plan requirement under H&S Code Section 25504 and 22CCR 66265.51(a)).*
612 ☐ Implement the portion of the business plan, contingency plan or consolidated contingency plan, relating to emergency procedures, for any occurrence of fire, explosion, or releases of hazardous materials/waste which could threaten human health or the environment [22CCR 66265.51(b), 66265.56].
613 ☐ Describe the actions needed to respond to an emergency [22CCR 66265.52(a)].
614 ☐ Describe arrangements agreed upon by emergency teams [22CCR 66265.52(c)].
615 ☐ Identify the emergency coordinators [22CCR66265.52(d)].

■ Contingency plan lacks the following:

616 ☐ Complete evacuation plan [22CCR 66265.52(f)].
617 ☐ Current telephone number of the State OES [22CCR 66265.52(g)].
619 ☐ A list of emergency equipment, the location, physical description, or the capabilities of the equipment [22CCR 66265.52(e)].

620 ☐ Submit a contingency plan to local emergency authorities [22CCR 66265.53(b)].

DBA/Name	Air Products & Chem	Owner	Air Products

621 ☐ Amend contingency plan as necessary (22CCR 66265.54).
622 ☐ Maintain an emergency coordinator either on the premises or on call at all times (22CCR 66265.55).
625 ☐ Note the required information regarding the incident in the operating log [2CCR 66265.56(j)].

PERSONNEL TRAINING

Correction Date ___/___/___

626 ☐ For small quantity generators, ensure that the appropriate staff are adequately trained to manage waste and respond to emergencies [22CCR 66262.34 (d)(2)].
627 ☐ Ensure that training program is directed by a person trained in hazardous waste procedures [22CCR 66265.16(a)(2)].
628 ☐ Provide a training program directed by a representative trained in hazardous waste procedures [22CCR 66265.16(a)(2)].
629 ☐ Ensure that personnel complete the required training program within 6 months of employment, or work supervised positions prior to completing the training, to comply with the hazardous waste requirements [22CCR 66265.16(b), 66265.16(a)(1)].
630 ☐ Provide personnel an annual review of their initial training (on hazardous waste procedures) [22CCR 66265.16(c)].
631 ☐ Maintain onsite all required training documentation. [22CCR 66265.16(d)].
632 ☐ Maintain onsite training records on current and former employees within the last 3 years [22CCR 66265.16(e)].

SOURCE REDUCTION

Correction Date ___/___/___

634 ☐ Prepare and retain onsite current source reduction documents as applicable, and make them available to the inspector within five days of a request [H&S 25244.15(d), 25244.19, 25244.20, 25244.21].

■ Include the following required elements in the Source Reduction Evaluation Review and Plan (also known as a Source Reduction Plan):

635 ☐ Certification.
636 ☐ Amounts of wastes generated.
637 ☐ Process description.
638 ☐ Block diagrams.
639 ☐ Implementation schedule of selected source reduction measures (22CCR 67100.5).

CONSOLIDATION/REMOTE SITE COMPLIANCE

Correction Date ___/___/___

640 ☐ Submit the required notification to the CUPA before operating a consolidation site [H&S 25110.10(d)(1)].
641 ☐ Comply with the consolidation site operating requirements [H&S 25110.10(b)].
642 ☐ Submit the required notification before operating a remote site [H&S 25121.3(b)].
643 ☐ For non-RCRA waste at a remote site, comply with container and labeling requirements, notify the CUPA of the remote site exemption annually, and hold the waste at the site no longer than 10 days [H&S 25121.3(b)].

SITE MITIGATION/SITE CLOSURE

Correction Date 10/29/99

644 ☐ Provide a corrective action plan for unauthorized releases of hazardous waste or constituents to the ground (H&S 25187).
645 ☒ Owner or operator shall close the facility in a manner that:
a) minimizes the need for further maintenance, and
b) controls or eliminates all contaminated equipment, structures, and soil; or decontaminate by removing all hazardous waste residues (22CCR 66265.111, 66265.114, H&S 25187].

Provide a facility closure plan prior to vacating the premises by dates indicated above.

Authorized Rep:	Shelley Stuart	Title:	Plant Mgr.
Auth Rep Signature:	Via U.S. Mail	Inspected by:	

AIR PRODUCTS

Air Products and Chemicals, Inc.
7201 Hamilton Boulevard
Allentown, PA 18195-1501
Telephone (610) 481-4911

8 September, 1999

DTSC
P.O. Box 400
Sacramento, CA 95812-0400

RE: Submittal of DTSC Waste Manifest Copies
Air Products and Chemicals, Inc.
23320 S. Alameda Street, Long Beach CA
Facility EPA ID No. CAT 080010655

Dear Sir or Madame:

Enclosed please find the DTSC waste manifest copies for State Manifest Document Numbers 98521482 and 98521481. The manifested wastes were generated from/by facility closure activities.

If you have any questions or require additional information, please contact me at 610/481-3354, between 7:00 am and 4:30 p.m. east coast time.

Sincerely,

Ginger Patrick

Ginger Patrick
Environmental Coordinator
Gases & Equipment Environmental Group

enclosure

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type. *Form designed for use on elite (12-pitch) t, iter.*

See Instructions on back of e 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. | Manifest Document No. | 2. Page 1 of | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
AIR PRODUCTS & CHEMICALS 1582D S. ALAMEDA NORTH LONG BEACH CA 90813

A. State Manifest Document Number: 98521481

4. Generator's Phone (310) 518-0480

B. State Generator's ID

5. Transporter 1 Company Name | 6. US EPA ID Number
ADVANCED ENVIR TECH SRVS(AETS) | P P D 0 9 8 5 7 5 8 9

C. State Transporter's ID

D. Transporter's Phone (973) 347-7111

7. Transporter 2 Company Name | 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address | 10. US EPA ID Number
ONYX ENVIRONMENTAL SERVICES, L.L.C.
1704 W. FIRST STREET
AZUSA, CA 91702 | C A D 0 0 8 3 0 2 9 0 3

G. State Facility's ID

H. Facility's Phone (626) 334-5117

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
WASTE PAINT 9,UN1263,II	001	DM	00308	P	State 331 / EPA/Other D001
WASTE PAINT 9,UN1263,II	005	DM	01165	P	State 331 / EPA/Other D001
NON-RCRA HAZARDOUS WASTE SOLID (ABSORBENT CONTAMINATED WITH HYDROCARBONS) DOT NON-REGULATED,NONE	002	DM	00800	P	State 352 / EPA/Other NONE
NON-RCRA HAZARDOUS WASTE LIQUID (USED OIL) DOT NON-REGULATED,NONE	004	DM	01628	P	State 221 / EPA/Other NONE

J. Additional Descriptions for Materials Listed Above
A)430989/AZU064/ERG#127 C)423580/BULKKHF
B)430989/AZU064DEC/ERG#127 D)423581/AZU062

K. Handling Codes for Wastes Listed Above
a. b.
c. d.

15. Special Handling Instructions and Additional Information
PACKING SLIPS ATTACHED FOR CLARIFICATION EMERGENCY PHONE 888 353-2367
ONYX :AZUSA

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name: ROBERT WAGNER | Signature | Month 0 8 | Day 1 4 | Year 0 0

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: JOVAN DIAZ | Signature | Month 0 8 | Day 1 4 | Year 0 0

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month | Day | Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name | Signature | Month | Day | Year

DO NOT WRITE BELOW THIS LINE.

SC 8022A (4/97)
. 8700—22

Blue: GENERATOR SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
To: P.O. Box 400, Sacramento, CA 95812-0400

ate of California—Environmental Protection Agency
orm Approved OMB No. 2050-0039 (Expires 9-30-99)
ease print or type. Form designed for use on elite (12-pitch) ty ir.

See Instructions on back of p 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of	Information in the shaded areas is not required by Federal law.
CAT080010855	99003	A 7	

GENERATOR

3. Generator's Name and Mailing Address
AIR PRODUCTS & CHEMICALS 23320 E. ALAMEDA
NORTH LONG BEACH CA 90810

A. State Manifest Document Number: 98521482

4. Generator's Phone (310) 518-0450

B. State Generator's ID:

5. Transporter 1 Company Name: ADVANCED ENVIR TECH SRVS(AETS)

6. US EPA ID Number: NJD055013139

C. State Transporter's ID:

D. Transporter's Phone: (973) 347-7111

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address
ADVANCED ENVIRONMENTAL TECHNICAL SERVICES
1125 HENSLEY STREET
RICHMOND, CA 94801

10. US EPA ID Number: CAT080014079

G. State Facility's ID:

H. Facility's Phone: (800) 243-2382

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
RQ WASTE AEROSOLS, FLAMMABLE, (EACH NOT EXCEEDING 1 L CAPACITY) 2.1,UN1950. DOT-E 11296 (D001)	001	DM	00225	P	State 331 EPA/Other D001
WASTE FLAMMABLE LIQUIDS, CORROSIVE, n.o.s. 3,UN2924,II	001	DF	00042	P	State 551 EPA/Other F005
WASTE FLAMMABLE LIQUID, CORROSIVE, n.o.s. 3,UN2924,II	001	DF	00070	P	State 551 EPA/Other D001
WASTE FLAMMABLE SOLIDS, ORGANIC, n.o.s. 4.1,UN1325,II	001	DF	00076	P	State 551 EPA/Other D001

J. Additional Descriptions for Materials Listed Above
A)423585/EAI218265/ER#126
B)423586/BM8244/ERG#132
C)423586/BQ4500/ERG#132
D)423586/BM8244/ERG#133

K. Handling Codes for Wastes Listed Above
a.
b.
c.
d.

15. Special Handling Instructions and Additional Information
PACKING SLIPS ATTACHED FOR CLARIFICATION EMERGENCY PHONE 888 353-2387
ONYX:AZUSA

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
ROBERT WAGNER		05	14	99

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
JOAN DIAZ		05	14	99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year

DO NOT WRITE BELOW THIS LINE.

SC 8022A (4/97)
A 8700—22

Blue: GENERATOR SENDS THIS COPY TO DTSC WITHIN 30 DAYS
To: P.O. Box 400, Sacramento, CA 95812-0400

Please print or type (Form designed for use on elite (pitch) typewriter)

Form Approved OMB No. 2050-0039 Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST *(Continuation Sheet)*

21 Generator's US EPA ID No: CAT080010655

Manifest Document No: 99003 01087

22 Page: 2 of 2*

Information in the shaded areas is not required by Federal law

23 Generator's Name: AIR PRODUCTS & CHEMICALS

23320 S. ALAMEDA
NORTH LONG BEACH, CA 90810

(310) 518-0430

L. State Manifest Document Number: 98521482

M. State Generator's ID:

24 Transporter 1 Company Name | 25 US EPA ID Number | N. State Trans. ID | O. Trans. Phone

26 Transporter 2 Company Name | 27 US EPA ID Number | P. State Trans. ID | Q. Trans. Phone

	HM	28 US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	29 Containers No.	Type	30 Total Quantity	31 Unit Wt/Vol	R Waste No.
a.	X	WASTE OXIDIZING SOLID, n.o.s. 5.1,UN1479,II	001	DF	00027	P	D001 551
b.	X	WASTE CAUSTIC ALKALI LIQUIDS, n.o.s. 8,UN1719,II	001	DF	00056	P	D002 551
c.	X	WASTE AMMONIA SOLUTIONS, WITH MORE THAN 10 PERCENT BUT NOT MORE THAN 35 PERCENT AMMONIA 8,UN2672,II	001	DF	00021	P	D002 551
d.	X	WASTE CORROSIVE LIQUID,BASIC,INORGANIC,n.o.s. 8,UN3266,II	001	DF	00019	P	D002 551
e.		NON-RCRA HAZARDOUS WASTE SOLID (ABSORBENT WITH HYDROCARBONS) DOT NON-REGULATED,NONE	002	DM	00800	P	NONE 352
f.		NON-RCRA HAZARDOUS WASTE SOLID (LAB PACK) DOT NON-REGULATED,NONE	001	DF	00018	P	NONE 551
g.		NON-RCRA HAZARDOUS WASTE LIQUID (LAB PACK) DOT NON-REGULATED,NONE	001	DF	00012	P	NONE 551
h.							
i.							

S. Additional Descriptions for Materials Listed Above: A)423586/BQ4500/ERG#140 B)423586/BQ4500/ERG#154 C)423586/BQ4500/ERG#154 D)423586/BQ4500/ERG#154 E)431944/AJ8508 F) G)423586/BQ4500

T. Handling Codes for Wastes Listed Above:

32 Special Handling Instructions and Additional Information: PACKING SLIPS ATTACHED FOR CLARIFICATION EMERGENCY PHONE 888 353-2387

GENERATOR

33 Transporter 1 Acknowledgement of Receipt of Materials — Printed/Typed Name | Signature | Date (Month Day Year)

34 Transporter 2 Acknowledgement of Receipt of Materials — Printed/Typed Name | Signature | Date (Month Day Year)

TRANSPORTER

35 Discrepancy Indication Space

FACILITY

7-GENERATOR MAIL TO-GENERATOR STATE

EPA Form 8700-22A (Rev. 9-86) Previous edition is obsolete

ONYX ENVIRONMENTAL SERVICES

ONYX

10/20/99 3:47:26 1

AIR PRODUCTS & CHEMICALS
7201 HAMILTON BLVD.
ALLENTOWN PA 18195

ATTN : GINGER PATRICK

JOB SITE :
AIR PRODUCTS & CHEMICALS
23320 S. ALAMEDA
NORTH LONG BEACH CA 90810

EPA ID # : CAT080010655

THIS IS TO DOCUMENT THE TRACKING OF THE FOLLOWING WASTE MATERIALS ON MANIFEST NUMBER 98521482 REMOVED FROM YOUR FACILITY ON 8/24/99 .

THE WASTE CONSISTED OF :

1A	RQ WASTE AEROSOLS, FLAMMABLE, (EACH NOT EXCEEDING 1 L CAPACITY) 2.1,UN1950, DOT-E 11296 (D001)	1	DM
1B	WASTE FLAMMABLE LIQUIDS, CORROSIVE, n.o.s. 3,UN2924,II	1	DF
1C	WASTE FLAMMABLE LIQUIDS, CORROSIVE, n.o.s. 3,UN2924,II	2	DF
1D	WASTE FLAMMABLE SOLIDS, ORGANIC, n.o.s. 4.1,UN1325,II	1	DF
2A	WASTE OXIDIZING SOLID, n.o.s. 5.1,UN1479,II	1	DF
2B	WASTE CAUSTIC ALKALI LIQUIDS, n.o.s. 8,UN1719,II	1	DF
2C	WASTE AMMONIA SOLUTIONS, WITH MORE THAN 10 PERCENT BUT NOT MORE THAN 35 PERCENT AMMONIA 8,UN2672,II	1	DF
2D	WASTE CORROSIVE LIQUID,BASIC,INORGANIC,n.o.s. 8,UN3266,II	1	DF
2E	NON-RCRA HAZARDOUS WASTE SOLID (ABSORBENT WITH HYDROCARBONS) DOT NON-REGULATED,NONE	2	DM
2F	NON-RCRA HAZARDOUS WASTE SOLID (LAB PACK) DOT NON-REGULATED,NONE	1	DF
2G	NON-RCRA HAZARDOUS WASTE LIQUID (LAB PACK) DOT NON-REGULATED,NONE	1	DF

TRANSPORTER : ADVANCED ENVIR TECH SRVS(AETS) EPA ID # : NJD080631369
1 EDEN LANE
FLANDERS NJ 07836

MATERIALS WERE TRANSPORTED TO ADVANCED ENVIRONMENTAL RICHMOND, CALIFORNIA, CAT080014079.

MANIFEST NUMBER: 985[illegible]482

LINE	CONTAINER#	EPA ID/SITE/TECH	DATE	MANIFEST#
1A	AD0108716000110	ARD069748192 ENSCO INC. EL DORADO AR T09 INCINERATION	9/03/99	AR-1001853
1B	AD0108716000210	ILD098642424 TRADE WASTE INCINERATION, INC. SAUGET IL T09 INCINERATION	9/08/99	IL7855321
1C	AD0108716000310	ILD098642424 TRADE WASTE INCINERATION, INC. SAUGET IL T09 INCINERATION	9/08/99	IL7855328
1C	AD0108716000610	ILD098642424 TRADE WASTE INCINERATION, INC. SAUGET IL T09 INCINERATION	9/08/99	IL7855328
1D	AD01087160001110	ILD098642424 TRADE WASTE INCINERATION, INC. SAUGET IL T09 INCINERATION	9/08/99	IL7855322
2A	AD0108716000910	ILD098642424 TRADE WASTE INCINERATION, INC. SAUGET IL T09 INCINERATION	9/15/99	IL7855320
2B	AD0108716000510	ILD098642424 TRADE WASTE INCINERATION, INC. SAUGET IL T09 INCINERATION	9/08/99	IL7855328
2C	AD0108716000410	ILD098642424 TRADE WASTE INCINERATION, INC. SAUGET IL T09 INCINERATION	9/08/99	IL7855328
2D	AD0108716000710	ILD098642424 TRADE WASTE INCINERATION, INC. SAUGET IL T09 INCINERATION	9/08/99	IL7855328
2E	AD01087160001210	CAT000646117 CHEMICAL WASTE MANAGEMENT, INC KETTLEMAN CITY CA 03 LANDFILL	9/17/99	99112014
2E	AD01087160001220	CAT000646117 CHEMICAL WASTE MANAGEMENT, INC KETTLEMAN CITY CA 03 LANDFILL	9/17/99	99112014
2F	AD0108716000810	ILD098642424 TRADE WASTE INCINERATION, INC. SAUGET IL T09 INCINERATION	9/08/99	IL7855328

MANIFEST NUMBER: 9852[illegible]482

LINE	CONTAINER#	EPA ID/SITE/TECH	DATE	MANIFEST#
2G	AD01087160001010	ILD098642424	9/08/99	IL7855323
		TRADE WASTE INCINERATION, INC.		
		SAUGET IL		
		T09 INCINERATION		

THIS MATERIAL WAS HANDLED IN COMPLIANCE WITH ALL CURRENT REGULATIONS. FURTHER INFORMATION WILL BE PROVIDED UPON REQUEST. ANY QUESTIONS ABOUT THIS DOCUMENT SHOULD BE DIRECTED TO ANDREW BABIJ, TECHNICAL DIRECTOR.

...ental Protection Agency
...2050-0039 (Expires 9-30-99)
Form designed for use on elite (12-pitch) typewriter.

See Instructions on ba... page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. | Manifest Document No. | 2. Page 1 of | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
AIR PRODUCTS & CHEMICALS
ATTN. GINGER PATRICK
7201 HAMILTON BLVD
ALLENTOWN, PA. 18195-1501

4. Generator's Phone (310) 538-4420

A. State Manifest Document Number: 98521481

B. State Generator's ID:

5. Transporter 1 Company Name: ADVANCED ENVIR TECH SRVS (AETS)

6. US EPA ID Number: N J D 0 8 0 6 6 3 1 3 6 9

C. State Transporter's ID:

D. Transporter's Phone: (973) 347-7111

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address
ONYX ENVIRONMENTAL SERVICES, L.L.C.
1704 W. FIRST STREET
AZUSA, CA 91702

10. US EPA ID Number: C A D 0 0 8 3 0 2 9 0 3

G. State Facility's ID: CAD009830290 3

H. Facility's Phone: (626) 334-5117

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
WASTE PAINT 3,UN1263,II	001	DM	00308	P	State 331 EPA/Other D001
WASTE PAINT 3,UN1263,II	005	DM	01165	P	State 331 EPA/Other D001
NON-RCRA HAZARDOUS WASTE SOLID (ABSORBENT CONTAMINATED WITH HYDROCARBONS) DOT NON-REGULATED,NONE	002	DM	00800	P	State 352 EPA/Other NONE
NON-RCRA HAZARDOUS WASTE LIQUID (USED OIL) DOT NON-REGULATED,NONE	004	DM	01628	P	State 221 EPA/Other NONE

J. Additional Descriptions for Materials Listed Above
A) 430989 AZU064 ERG#127
B) 430989 AZU064 DEC/ERG#127
C) 423580 BULKHP
D) 423581 AZU062

K. Handling Codes for Wastes Listed Above
a. 01 b. 01
c. d.

15. Special Handling Instructions and Additional Information
PACKING SLIPS ATTACHED FOR CLARIFICATION EMERGENCY PHONE 888 353-2387
ONYX :AZUSA

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name: ROBERT WAGNER | Signature | Month 0 8 | Day 2 4 | Year 9 9

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: JOVAN DIAZ | Signature | Month 0 8 | Day 2 4 | Year 9 9

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month | Day | Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Michael Le Baiter | Signature | Month 0 8 | Day 2 4 | Year 9 9

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802: WITHIN CALIFORNIA, CALL 1-800-852-7550

DO NOT WRITE BELOW THIS LINE.

Yellow TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS.
(Generators who submit hazardous waste for transport out-of-state, produce completed copy of this copy and send to DTSC within 30 days.)

DTSC 8022A (4/97)
EPA 8700—22

Form designed for use on elite (12-pitch) typewriter. Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAT000010555 | Manifest Document No. 98521481 | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
AIR PRODUCTS & CHEMICALS
23320 S. ALAMEDA
NORTH LONG BEACH CA 90810

4. Generator's Phone (310) 518-0430

A. State Manifest Document Number 98521481

B. State Generator's ID

5. Transporter 1 Company Name: ADVANCED ENVIR TECH SRVS(AETS)
6. US EPA ID Number: NJD080631369

C. State Transporter's ID

D. Transporter's Phone (973) 347-7111

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
ONYX ENVIRONMENTAL SERVICES, L.L.C.
1704 W. FIRST STREET
AZUSA, CA 91702

10. US EPA ID Number: CAD008302903

G. State Facility's ID

H. Facility's Phone (626) 334-5117

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
WASTE PAINT 3,UN1263,II	001	DM	00308	P	State 331 EPA/Other D001
WASTE PAINT 3,UN1263,II	005	DM	01165	P	State 331 EPA/Other D001
NON-RCRA HAZARDOUS WASTE SOLID (ABSORBENT CONTAMINATED WITH HYDROCARBONS) DOT NON-REGULATED,NONE	002	DM	00800	P	State 352 EPA/Other NONE
NON-RCRA HAZARDOUS WASTE LIQUID (USED OIL) DOT NON-REGULATED,NONE	004	DM	01628	P	State 221 EPA/Other NONE

J. Additional Descriptions for Materials Listed Above
A)430989/AZU064/ERG#127 C)423580/BULKKHF
B)430989/AZU064DEC/ERG#127 D)423581/AZU062

K. Handling Codes for Wastes Listed Above
a. b.
c. d.

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ONYX :AZUSA

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GENERATOR

Printed/Typed Name: ROBERT WAGNER | Signature | Month 08 | Day 24 | Year 99

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: JOVAN DIAZ | Signature | Month 08 | Day 24 | Year 99

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month | Day | Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name | Signature | Month | Day | Year

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (4/97)
EPA 8700—22

Yellow GENERATOR RETAINS

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802: WITHIN CALIFORNIA, CALL 1-800-852-7550

98521481

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM

Page ____ of ____

Generator Name: Air Products EPA ID # AMD980 [illegible] State Manifest No. 9852 HS 1/9900

1. Waste is a wastewater (see 40 CFR 268.2) place "w" next to the applicable code(s)

2. If waste is subject to any California List restriction enter the letter from below next to each restriction that is applicable. __ HOC, __ PCBs, __ Metals __ Acid

3. CODES WITH SUBCATEGORIES (place appropriate letter from section 9 before each code that applies) (See 40 CFR 268 for details)

A D001 Hi-TOC	___ D003 Unexp Ord. Emg	___ K006 Hydrated	___ P047 Salts	___ P092 Hi Inc//RMERC Res.
___ D001 < 10% TOC-CWA	___ D003 Other Reactives	___ K006 Anhydrous	___ P047 Nonsalts	___ U151 Lo RMERC Res.
___ D001 < 10% TOC-Non/CWA	___ D006 Batteries	___ K069 Calcium Sulfate	___ P065 Lo Inc. Res.	___ U151 Lo Not RMERC Res.
___ D002 Non-CWA	___ D008 Lead acid batteries	___ K069 Not Calcium Sulfate	___ P065 Lo RMERC Res.	___ U151 Hi Hg
___ D002 CWA	___ D009 Organic Hg > 260ppm	___ K071 Rmerc Res.	___ P065 Not Inc./RMERC Res.	___ U240 2, 4 D
___ D003 Reactive Cyanide	___ D009 Inorg. Hg > 260	___ K071 Not Rmerc Res.	___ P065 Hi Inc./RMERC Res.	___ U240 2, 4 esters & Salts
___ D003 Reactive Sulfide	___ D009 Hg < 260	___ K106 Lo Rmerc Res.	___ P092 Lo Inc. Res.	
___ D003 Explosive	___ F025 Light ends	___ K106 Not Rmerc Res.	___ P092 Lo RMERC Res.	
___ D003 Water Reactives	___ F025 Spent filter	___ K106 > 260 ppm Hg	___ P092 Not Inc/RMERC Res.	

The subcategory for D018-D043 waste is "treated in nonCWA/nonSDWA facility" unless the following box is checked: ☐ "treated in CWA/SDWA facility"

4. COMMON CODES (Place appropriate letter from section 9 before each code that applies)

___D004	___D005	___D006	___D007	___D008	___D009	___D010	___D011	___D012	___D013	___D014	___D015	___D016	___D017	___D018	___D019
___D020	___D021	___D022	___D023	___D024	___D025	___D026	___D027	___D028	___D029	___D030	___D031	___D032	___D033	___D034	___D035
___D036	___D037	___D038	___D039	___D040	___D041	___D042	___D043	___F001	___F002	___F003	___F004	___F005	___U002	___U003	___U006
___U007	___U044	___U061	___U072	___U080	___U108	___U117	___U122	___U123	___U136	___U154	___U188	___U213	___U220	___U226	___U279
___P012	___P030	___P051	___P098	___P105	___P205	___F006	___F007	___F008	___F009	___F010	___F011	___F012	___F019	___F039	___K061

ADDITIONAL CODES (Enter all codes not identified above which are associated with waste)

5. USEPA HAZARDOUS WASTE CODE(S)	6. TREATMENT STANDARDS FOR NON-PHASE II STATES (INDICATE THE APPLICABLE TREATMENT STANDARD 268.41, 268.43 OR SPECIFIED TECHNOLOGY BELOW)	7. HOW MUST THE WASTE BE MANAGED? ENTER THE LETTER FROM BELOW

To identify F039, or UHCs managed in non-CWA, us the "F039/Underlying Hazardous Constituents Form" provided (CWM-2004) and check here: ☐
If no UHCs are present upon generation check here: ☒ Check here if disposal facility will check for all UHCs ☐ (i.e. no UHC form required)
To list additional EPA waste code(s), use the supplemental sheet and check here: ☐ In lieu of supplemental sheet you may use multiple copies of this form.

8. SOLVENT CONSTITUENTS (F001 - F005) Check here if disposal facility will check for all spent solvents ___

___ Acetone	___ Benzene	___ n-Butyl alcohol	___ Carbon disulfide
___ Carbon Tetrachloride	___ Chlorobenzene	___ O-Cresol	___ Cresols (m&p)
___ Cyclohexanone	___ o-Dichlorobenzene	___ 2-Ethoxyethanol	___ Ethyl acetate
___ Ethyl benzene	___ Ethyl ether	___ Isobutanol	___ Methanol
___ Methylene chloride	___ Methyl ethyl ketone	___ Methyl isobutyl ketone	___ Nitrobenzene
___ 2-Nitropropane	___ Pyridine	___ Tetrachloroethylene	___ Toluene
___ 1,1,1 Trichloroethane	___ 1, 1, 2-Trichloroethane	___ 1, 1, 2-Trichloro, 1, 2, 2-trifluoroethane	___ Trichloroethylene
___ Trichloromonofluoromethane	___ Xylenes		

9. (States authorized by EPA to manage the LDR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your certification will be deemed to refer to those state citations instead of the 40 CFR citations.)

A. Or ✓ RESTRICTED WASTE REQUIRES TREATMENT
This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268 Subpart D, 268.32, or RCRA Section 3004(d)
☐ For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

B.1 RESTRICTED WASTE TREATMENT TO PERFORMANCE STANDARDS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the performance levels specified in 40 CFR Part 268, Subpart D, and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA section 3004(d) without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.2 RESTRICTED WASTES FOR WHICH THE TREATMENT STANDARD IS EXPRESSED AS A SPECIFIED TECHNOLOGY (AND THE WASTE HAS BEEN TREATED BY THAT TECHNOLOGY)
"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.42. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.3 GOOD FAITH AND ANALYTICAL CERTIFICATION - FOR INCINERATED ORGANICS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by incineration in units operated in accordance with 40 CFR Part 264, Subpart O, or 40 CFR Part 265, Subpart O, or by combustion in fuel substitution units operating in accordance with applicable technical requirements, and I have been unable to detect the nonwastewater organic constituents despite having used best good faith efforts to analyze for such constituents. I am aware that there are a significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.4 DECHARACTERIZED WASTE REQUIRES TREATMENT FOR UNDERLYING HAZARDOUS CONSTITUENTS
"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet universal treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

C. RESTRICTED WASTE SUBJECT TO A VARIANCE
This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of prohibition in column 7 above.
☐ For hazardous debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT
"I have determined that this waste meets all applicable treatment standards set forth in 40 CFR Part 268 Subpart D, and all applicable prohibition levels set forth in Section 268.32 or RCRA Section 3004(d), and therefore, can be land disposed without further treatment. A copy of all applicable treatment standards and specified treatment methods is maintained at the treatment, storage and disposal facility named above." "I certify under penalty of law that I have personally examined and am familiar with the waste through analysis and testing or thorough knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA Section 3004(d). I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment."

E. WASTE IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS
This waste is a newly identified waste that is not currently subject to any 40 CFR Part 268 restrictions.

I hereby certify that all information in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature [signature]

Title PROJECT MANAGER Date 8/21/99

WAETS-7

MANIFEST COPY

Environmental Protection Agency
OMB No. 2050-0039 (Expires 9-30-9
Type—Form designed for use on elite (12-p typewriter.

See Instructions on be of page 6.

Department of Toxic Substances Contro
Sacramento, California

98521482

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802: WITHIN CALIFORNIA, CALL 1-800-852-7550

GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAT080014579 — Manifest Document No. 99003 — 2. Page 1 of 2 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
AIR PRODUCTS & CHEMICALS
ATTN: GINGER PATRICK
7201 HAMILTON BLVD.
ALLENTOWN, PA 18195-1501
~~25550 S. ALAMEDA~~
~~NORTH LONG BEACH CA 90810~~

4. Generator's Phone (310) 518-6430

A. State Manifest Document Number: 98521482

B. State Generator's ID:

C. State Transporter's ID:

D. Transporter's Phone: (973) 347-7111

E. State Transporter's ID:

F. Transporter's Phone:

5. Transporter 1 Company Name: ADVANCED ENVIR TECH SRVS (AETS) — 6. US EPA ID Number: NJD080613136

7. Transporter 2 Company Name — 8. US EPA ID Number

9. Designated Facility Name and Site Address
ADVANCED ENVIRONMENTAL TECHNICAL SERVICES
1125 HENSLEY STREET
RICHMOND, CA 94801 — 10. US EPA ID Number: CAT080014079

G. State Facility's ID: CAT080014079

H. Facility's Phone: (800) 243-2382

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a) RQ WASTE AEROSOLS, FLAMMABLE, (EACH NOT EXCEEDING 1 L CAPACITY) 2.1, UN1950. DOT-E 11996 (D001)	001	DM	00225	P	State 331 / EPA/Other D001
b) WASTE FLAMMABLE LIQUIDS, CORROSIVE, n.o.s. 3, UN2924, II	001	DF	00042	P	State 551 / EPA/Other F005
c) WASTE FLAMMABLE LIQUIDS, CORROSIVE, n.o.s. 3, UN2924, II	002	DF	00070	P	State 551 / EPA/Other D001
d) WASTE FLAMMABLE SOLIDS, ORGANIC, n.o.s. 4.1, UN1325, II	001	DF	00076	P	State 551 / EPA/Other D001

J. Additional Descriptions for Materials Listed Above
A) 423585/EA1218265/ER#126
B) 423586/BM8244/ERG#132
C) 423586/BQ4500/ERG#132
D) 423586/BM8244/ERG#133

K. Handling Codes for Wastes Listed Above
a. 14 b. 14
c. 14 d. 14

15. Special Handling Instructions and Additional Information
PACKING SLIPS ATTACHED FOR CLARIFICATION EMERGENCY PHONE 888 353-2387
ONYX: AZUSA

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: ROBERT WAGNER — Signature — Month 08 Day 14 Year 99

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: JUAN DIAZ — Signature — Month 08 Day 14 Year 99

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space
ADVANCED ENVIRONMENTAL TECHNICAL SERVICES, LLC
HAS ALL THE NECESSARY PERMITS AND LICENSES FOR
THE WASTE THAT HAS BEEN CHARACTERIZED AND
IDENTIFIED BY THIS APPROVED PROFILE.

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by the manifest except as noted in Item 19.
Printed/Typed Name: Javier Ruiz — Signature — Month 08 Day 31 Year 99

DO NOT WRITE BELOW THIS LINE.

Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS. (Generators who submit hazardous waste for transport out-of-state, produce completed copy of this copy and send to DTSC within 30 days.)

DTSC 8022A (4/97)
EPA 8700—22

(Form designed for use on (12-pitch) typewriter.)

Form Approved OMB No. 2050-0039 Toxic Substances Contr ..., California

UNIFORM HAZARDOUS WASTE MANIFEST *(Continuation Sheet)*

21. Generator's US EPA ID No: CAT080010655

Manifest Document No: 99003 ~~01087~~

22. Page: 2 of 2

Information in the shaded areas is not required by Federal law.

23. Generator's Name: AIR PRODUCTS & CHEMICALS

~~2332O S. ALAMEDA~~
~~NORTH LONG BEACH, CA. 90810~~

(310) 518-0430

L. State Manifest Document Number: 98521482

M. State Generator's ID:

24. Transporter 1 Company Name

25. US EPA ID Number

N. State Trans. ID

O. Trans. Phone

26. Transporter 2 Company Name

27. US EPA ID Number

P. State Trans. ID

Q. Trans. Phone

	HM	28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	29. Containers No	Type	30. Total Quantity	31. Unit Wt./Vo	R. Waste No.
a.	X	WASTE OXIDIZING SOLID, n.o.s. 5.1,UN1479,II	001	DF	00027	P	D001 551
b.	X	WASTE CAUSTIC ALKALI LIQUIDS, n.o.s. 8,UN1719,II	001	DF	00056	P	D002 551
c.	X	WASTE AMMONIA SOLUTIONS, WITH MORE THAN 10 PERCENT BUT NOT MORE THAN 35 PERCENT AMMONIA 8,UN2672,II	001	DF	00021	P	D002 551
d.	X	WASTE CORROSIVE LIQUID,BASIC,INORGANIC,n.o.s. 8,UN3266,II	001	DF	00019	P	D002 551
e.		NON-RCRA HAZARDOUS WASTE SOLID (ABSORBENT WITH HYDROCARBONS) DOT NON-REGULATED,NONE	002	DM	00800	P	NONE 352
f.		NON-RCRA HAZARDOUS WASTE SOLID (LAB PACK) DOT NON-REGULATED,NONE	001	DF	00018	P	NONE 551
g.		NON-RCRA HAZARDOUS WASTE LIQUID (LAB PACK) DOT NON-REGULATED,NONE	001	DF	00012	P	NONE 551
h.							
i.							

GENERATOR

S. Additional Descriptions for Materials Listed Above

A)423586/BQ4500/ERG#140 B)423586/BQ4500/ERG#154 C)423586/BQ4500/ERG#154 D)423586/BQ4500/ERG#154 E)431944/AJ8508 F) G)423586/BQ4500

T. Handling Codes for Wastes Listed Above

A thru H = 14

8-31-94

32. Special Handling Instructions and Additional Information

PACKING SLIPS ATTACHED FOR CLARIFICATION EMERGENCY PHONE 888 353-2387

TRANSPORTER

33. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Date (Month Day Year)

34. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Date (Month Day Year)

FACILITY

35. Discrepancy Indication Space

3-TSD MAIL TO-GENERATOR

EPA Form 8700-22A (Rev. 9-86) Previous edition is obsolete

LAND DISPOSAL N[illegible]CATION AND CERTIFICATION FORM

Page _____ of _____

[illegible]erator Name: Ace Products EPA ID # CAT 080016455 State Manifest No. 9857 1487 / 990

1. If waste is a wastewater (see 40 CFR 268.2) place "w" next to the applicable code(s)
2. If waste is subject to any California List restriction enter the letter from below next to each restriction that is applicable. __ HOC, __ PCBs, __ Metals __ Acid

3. CODES WITH SUBCATEGORIES (place appropriate letter from section 9 before each code that applies) (See 40 CFR 268 for details)

___ D001 Hi-TOC	___ D003 Unexp Ord. Emg	___ K006 Hydrated	___ P047 Salts	___ P092 Hi Inc/RMERC Res.
___ D001 < 10% TOC-CWA	___ D003 Other Reactives	___ K006 Anhydrous	___ P047 Nonsalts	___ U151 Lo RMERC Res.
A D001 < 10% TOC-Non/CWA	___ D006 Batteries	___ K069 Calcium Sulfate	___ P065 Lo Inc. Res.	___ U151 Lo Not RMERC Res.
___ D002 Non-CWA	___ D008 Lead acid batteries	___ K069 Not Calcium Sulfate	___ P065 Lo RMERC Res.	___ U151 Hi Hg
___ D002 CWA	___ D009 Organic Hg > 260ppm	___ K071 Rmerc Res.	___ P065 Not Inc./RMERC Res.	___ U240 2, 4 D
___ D003 Reactive Cyanide	___ D009 Inorg. Hg > 260	___ K071 Not Rmerc Res.	___ P065 Hi Inc./RMERC Res.	___ U240 2, 4 esters & Salts
___ D003 Reactive Sulfide	___ D009 Hg < 260	___ K106 Lo Rmerc Res.	___ P092 Lo Inc. Res.	
___ D003 Explosive	___ F025 Light ends	___ K106 Not Rmerc Res.	___ P092 Lo RMERC Res.	
___ D003 Water Reactives	___ F025 Spent filter	___ K106 > 260 ppm Hg	___ P092 Not Inc/RMERC Res.	

The subcategory for D018-D043 waste is "treated in nonCWA/nonSDWA facility" unless the following box is checked: ☐ "treated in CWA/SDWA facility"

4. COMMON CODES (Place appropriate letter from section 9 before each code that applies)

___D004	___D005	___D006	___D007	___D008	___D009	___D010	___D011	___D012	___D013	___D014	___D015	___D016	___D017	___D018	___D01[illegible]
___D020	___D021	___D022	___D023	___D024	___D025	___D026	___D027	___D028	___D029	___D030	___D031	___D032	___D033	___D034	___D03[illegible]
___D036	___D037	___D038	___D039	___D040	___D041	___D042	___D043	___F001	___F002	___F003	___F004	___F005	___U002	___U003	___U00[illegible]
___U007	___U044	___U061	___U072	___U080	___U108	___U117	___U122	___U123	___U136	___U154	___U188	___U213	___U220	___U226	___U27[illegible]
___P012	___P030	___P051	___P098	___P105	___P205	___F006	___F007	___F008	___F009	___F010	___F011	___F012	___F019	___F039	___K061

ADDITIONAL CODES (Enter all codes not identified above which are associated with waste)

5. USEPA HAZARDOUS WASTE CODE(S)	6. TREATMENT STANDARDS FOR NON-PHASE II STATES (INDICATE THE APPLICABLE TREATMENT STANDARD 268.41, 268.43 OR SPECIFIED TECHNOLOGY BELOW)	7. HOW MUST THE WASTE BE MANAGED? ENTER THE LETTER FROM BELOW

To identify F039, or UHCs managed in non-CWA, us the "F039/Underlying Hazardous Constituents Form" provided (CWM-2004) and check here: ☐
If no UHCs are present upon generation check here: ☒ Check here if disposal facility will check for all UHCs ☐ (i.e. no UHC form required)
To list additional EPA waste code(s), use the supplemental sheet and check here: ☐ In lieu of supplemental sheet you may use multiple copies of this form.

8. SOLVENT CONSTITUENTS (F001 - F005) Check here if disposal facility will check for all spent solvents ___

___ Acetone	___ Benzene	___ n-Butyl alcohol	___ Carbon disulfide
___ Carbon Tetrachloride	___ Chlorobenzene	___ O-Cresol	___ Cresols (m&p)
___ Cyclohexanone	___ o-Dichlorobenzene	___ 2-Ethoxyethanol	___ Ethyl acetate
___ Ethyl benzene	___ Ethyl ether	___ Isobutanol	___ Methanol
___ Methylene chloride	___ Methyl ethyl ketone	___ Methyl isobutyl ketone	___ Nitrobenzene
___ 2-Nitropropane	___ Pyridine	___ Tetrachloroethylene	___ Toluene
___ 1,1,1 Trichloroethane	___ 1, 1, 2-Trichloroethane	___ 1, 1, 2-Trichloro, 1, 2, 2-trifluoroethane	___ Trichloroethylene
___ Trichloromonofluoromethane	___ Xylenes		

9. (States authorized by EPA to manage the LDR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your certification will be deemed to refer to those state citations instead of the 40 CFR citations.)

A. Or ✓ RESTRICTED WASTE REQUIRES TREATMENT
This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268 Subpart D, 268.32, or RCRA Section 3004(d)
☐ For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

B.1 RESTRICTED WASTE TREATMENT TO PERFORMANCE STANDARDS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the performance levels specified in 40 CFR Part 268, Subpart D, and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA section 3004(d) without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.2 RESTRICTED WASTES FOR WHICH THE TREATMENT STANDARD IS EXPRESSED AS A SPECIFIED TECHNOLOGY (AND THE WASTE HAS BEEN TREATED BY THAT TECHNOLOGY)
"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.42. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.3 GOOD FAITH AND ANALYTICAL CERTIFICATION - FOR INCINERATED ORGANICS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by incineration in units operated in accordance with 40 CFR Part 264, Subpart O, or 40 CFR Part 265, Subpart O, or by combustion in fuel substitution units operating in accordance with applicable technical requirements, and I have been unable to detect the nonwastewater organic constituents despite having used best good faith efforts to analyze for such constituents. I am aware that there are a significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.4 DECHARACTERIZED WASTE REQUIRES TREATMENT FOR UNDERLYING HAZARDOUS CONSTITUENTS
"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet universal treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

C. RESTRICTED WASTE SUBJECT TO A VARIANCE
This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of prohibition in column 7 above.
☐ For hazardous debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT
"I have determined that this waste meets all applicable treatment standards set forth in 40 CFR Part 268 Subpart D, and all applicable prohibition levels set forth in Section 268.32 or RCRA Section 3004(d), and therefore, can be land disposed without further treatment. A copy of all applicable treatment standards and specified treatment methods is maintained at the treatment storage and disposal facility named above." "I certify under penalty of law that I have personally examined and am familiar with the waste through analysis and testing or thorough knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA Section 3004(d). I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment."

E. WASTE IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS
This waste is a newly identified waste that is not currently subject to any 40 CFR Part 268 restrictions.

I hereby certify that all information in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature _____

Title PROJECT MANAGER Date 8/24/99

WAETS-7

Waste Management

AETS/CWM

Phase IV Certification
Exempt Lab Pack LDR Certification Form

This notice is being sent to you in accordance with 40 CFR 268.7(a) to inform you that this shipment contains wastes restricted from land disposal by the USEPA under the land disposal restriction program.

1. Generator name AIR PRODUCTS EPA ID # CMD980101155 Manifest # 9852 H82 / 99003

2. This shipment contains lab-packs that do not carry waste codes listed in 40 CFR 268 Appendix IV. The EPA hazardous waste codes are listed on the appropriate packing slips. The method of treatment for these wastes is incineration. The numbers listed below represent the container numbers being shipped on this manifest to be disposed of under this alternate treatment standard.

AD 010871400 #002, 006, 011, 009, 005, 004, 007,

3. Subcategory Codes (check all that apply) (See 40 CFR 268 for details)

- ✓ D001 Hi > 10% TOC
- ✓ D001 Except Hi-TOC
- __ D003 Reactive Cyanide
- __ D003 Reactive Sulfide
- __ D003 Explosive
- __ D003 Water Reactives
- __ D003 Unexp Ord. Emg
- __ D003 Other Reactive
- __ D006 Batteries
- __ D008 Lead acid batteries
- __ F025 Light ends
- __ F025 Spent Filters
- __ K069 Calcium sulfate
- __ K069 Non-Calcium Sulfate
- __ P047 Salts
- __ P047 Non-Salts
- __ P065 Lo Incin. Res.
- __ P065 Lo RMERC Res.
- __ P065 not incin/rmerc res.
- __ P065 Hi incin/rmerc res.
- __ P092 Lo Incin res.
- __ P092 Lo rmerc res.
- __ P092 not inc./rmerc res.
- __ P092 Hi inc/rmerc res.
- __ U240 __ U240 salts/est.

4. All Lab packs contain non-wastewater material unless "ww" is present on the container packing slip. Note: Phase IV Certifications do not require identification of WW or NWW.
If F001-F005 codes apply and disposal facility does not monitor for all spent solvent constituents, check box and attach list of applicable constituents. ☐
(You may use the list in section 7 of the AETS waste stream LDR form)

5. Phase II Certification "I certify under penalty of law that I personally have examined and am familiar with the waste and that the lab pack does not contain any of the waste identified under 40 CFR 268 Appendix IV. I am aware that there are significant penalties for submitting false certifications, including the possibility of fine or imprisonment."
(States authorized by EPA to manage the LDR program may have regulatory citations different from the 40 CFR citations listed. Where these regulatory citations differ, your certification will be deemed to refer to those state citations instead of the 40 CFR citations.)

6. Phase IV Certification for Lab Packs "I certify under penalty of law that I personally have examined and am familiar with the waste and that the lab pack contains only wastes that have not been excluded under appendix IV to 40 CFR part 268 and that this lab pack will be sent to a combustion facility in compliance with the alternative treatment standards for lab packs at 40 CFR 268.42(c). I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment." (States authorized by EPA to manage the LDR program may have regulatory citations different from the 40 CFR citations listed. Where these regulatory citations differ, your certification will be deemed to refer to those state citations instead of the 40 CFR citations.)

7. Signature _____ Title PROJECT MANAGER Date 8/24/99

WAETS-79B

...ipping Order Must be legibly filled in, in Ink, in Indelible Pencil, or in Carbon and retained by the Agent.

Shipper's #

C...rier

Agent's No.

RECEIVE, subject to the classifications and tariffs in effect on the date of the issue of this Shipping Order,

at 23320 S. Alameda 08/24 1999 from Air Products LONG BEACH CA 908

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown) marked, consigned and destined as shown below, which said company (the word company being understood throughout the contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address of consignee–For purposes of notification only)

Consigned to DITTY CONTAINERS

Destination Rosemead State of CA Zip Code _____ County of _____

Routing Best Available Delivering Carrier _____ Vehicle or Car Initial _____ No. _____

Collect On Delivery

$ _____ and remit to: _____

_____ Street _____ City _____ State

No. Packages	Description of Articles, Special Marks, and Exceptions	*Weight (Sub. to Cor.)	Class or Rate	Check Column
5	55 1A1	150 lbs		
2	30 1A1	55		
		205 lb		

*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight." NOTE–Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

C. O. D. charge to be paid by { Shipper / Consignee

Subject to Section 7 of conditions, this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statements:

The carrier shall not make delivery this shipment without payment of freight and all other lawful charges.

(Signature of Consignor.)

If charges are to be prepaid, write or stamp here, "TO BE PREPAID."

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____

(the signature here acknowledges only the amount Prepaid.)

Charges Advanced:

$ _____

Air Products Shipper, Per _____

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Permanent post-office address of shipper,

(This Bill of Lading is to be signed by the shipper and agent of the carrier issuing same.)

Waste Management

AETS/CWM

Field Services

Shipping/Receiving

1987©

Worksheet # _____

P.O. # _____

Date 08/24/99

Company: AIR PRODUCTS

Address: _____

City/State: LONG BEACH CA

Destination: _____

Transporter: _____

Placard: _____

UNITS	CONTAINER SIZE	NET WEIGHT	DISPOSAL CODE	AETS PRODUCT CODE	DESCRIPTION
1	ID / OD				Pick-up 20 yd Bin
	ID / OD				profile 430988 / ALR4411627
	ID / OD				
5	55 ID / OD				EMPTY DRUMS TO DITTY
	ID / OD				
2	30 ID / OD				EMPTY DRUMS TO DITTY
	ID / OD				
	ID / OD				
	ID / OD				
	ID / OD				
	ID / OD				
	ID / OD				
	ID / OD				
	ID / OD				
	ID / OD				
	ID / OD				

_____ TOTAL DRUMS

_____ TOTAL PIECES

_____ TOTAL NET WEIGHT

SUBJECT TO CHANGE BY SCALE

MANIFEST NUMBER

PAGE(S) _____

MANPOWER

NAME	TIME IN	TIME OUT	LUNCH
DAN J	0730	1600	Y
Jackie N	0730	1600	Y

MATERIALS / EQUIPMENT

VERMICULITE	10936		SAWDUST	10940/10941		RO-CON 21C-60	10954	8
17H DRUMS	10900	10	17E DRUMS	10903		RO-CON 21C-115	10953	5
6D DRUMS	10905		6D PAILS	10909		LINERS		15
85 GAL METAL RECOVERY	10911		10 GAL METAL RECOVERY	10915		Vermiculite		3
ENVIROPAX PLASTIC RECOVERY	10913		15A WOOD	10926		Speedy dry		6
12A50 FIBER	10923		12B15 FIBER	10925		Midline Truck		1
12A60 FIBER	10922		12A80 FIBER	10921		55 17H		5
30 GAL. 21C FIBER	10919		30 GAL. N/M 21C FIBER	11025		20 IG		1
EQUIPMENT LEVEL A B C					HOURS	Level "D" Dozy		2
EMERGENCY RESPONSE		CASE NUMBER				LABELS		50

TRAVEL TIME ROUND TRIP	2hrs	MILEAGE ROUND TRIP		OVERNIGHT JOB		NUMBER OF NIGHTS		NUMBER OF VEHICLES	

COMMENTS: _____

I the undersigned having full authority to execute this document on behalf of said company (Generator) confirm that Advanced Environmental Technical Services (A.E.T.S.) has been contracted to perform waste packaging and or waste removal services and has satisfactorily documented and completed these services for which they were hired. Therefore as the authorized representative of the contracting company (Generator) I guarantee full and prompt payment to A.E.T.S. for services rendered.

COMPANY (GENERATOR) AUTHORIZED REPRESENTATIVE

A.E.T.S. AUTHORIZED REPRESENTATIVE

CUSTOMER COPY

WBL-3

FAX 310 481 3614

AETS
ADVANCED ENVIRONMENTAL TECHNICAL SERVICES

CCH

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. C A T 0 8 0 0 1 0 6 5 5 — Manifest Document No. 029065

2. Page 1 of 1

3. Generator's Name and Mailing Address
AIR PRODUCTS & CHEMICALS
7201 HAMILTON BLVD.,
ALLENTOWN PA. 18195-1501 ATTN: GINGER PATRICK
4. Generator's Phone (310 518-0430

A. Non-hazardous Manifest Document Number: Z 0029052

B. State Generator's ID

5. Transporter 1 Company Name: MP ENVIRONMENTAL SERVICES
6. US EPA ID Number: C A T 0 0 0 6 2 4 2 4 7

C. State Trans. ID

7. Transporter 2 Company Name
8. US EPA ID Number

D. Transporter's Phone (800) 458-3036

E. State Trans. ID

9. Designated Facility Name and Site Address
AZUSA LAND RECLAMATION
1211 W. GLADSTONE STREET
AZUSA CA 91702
10. US EPA ID Number: C A D 0 0 9 0 0 7 6 2 6

F. Transporter's Phone ( )

G. State Facility's ID

H. Facility's Phone (626) 334-0719

GENERATOR

	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	L Waste No.
a.	NON HAZARDOUS MATERIAL (DEBRIS CONTAINING NON-FRIABLE ASBESTOS) DOT NON-REGULATED, NONE	001	CM	00020	Y	NONE
b.						
c.						
d.						

J. Additional Descriptions for Materials Listed Above
A) 430988/ALR441627
a. BIN # 4830
c.
b.
d.

K. Handling Codes for Wastes Listed Above
a. c.
b. d.

15. Special Handling Instructions and Additional Information
Use proper protective equipment when handling project
Emergency 24 Hour Response Number (888) 353-2387
AETS/hb SITE LOCATION: 23320 S. ALAMEDA, N. LONG BEACH, CA. 90810

Bill to: ONYX ENVIRONMENTAL
107 S MOTOR AVE
AZUSA CA 91702
P.O. # LA-210583

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
I hereby certify that the above-named material is not hazardous waste as defined by 40 CFR Part 261 or any applicable state law.

Printed/Typed Name: ROBERT WAGNER — Signature — Month Day Year: 10 8 24 99

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: DOUGLAS TATE — Signature — Month Day Year: 10 8 24 99

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name — Signature — Month Day Year

In case of an emergency or spill, immediately call AETS (800) 426-2382

1–GENERATOR COPY

BIN # 4830

SIGNATURE AND INFORMATION *MUST* BE LEGIBLE ON ALL COPIES

Waste Management

AETS/CWM

3 Goldmine Road, Flanders, New Jersey 07836 • Phone 973-347-7111

KHFAJ8508
Disposal Code

WASTESTREAM INFORMATION PROFILE

☐ Recertification
AETS/CWM LOCATION Azusa (OFFICE) ____ (CITY) ____ (ST) ____
☐ Invoice Address

AETS TSDF requested KH-the Rich Technology requested Land Fill Generator No. 4K4592 Generator EPA ID No. CAT080016104

1. Generator Name Air Product & Chemicals Generator State No. ____
Address 23320 So Alameda State Wastestream No. ____
City N. Long Beach State CA Country USA ZIP 90810 6314
NAICS (SIC) Code 2813 Source AS3 Origin 1 Form ~~8547~~ System Type M132

2. Waste Name Soil & Absorbent with Mastic and Asbestos Hydrocarbons. Lab or Waste Area ____
3. Process Generating Waste Facility Demolition
4. Shipping Name NON RCRA HAZARDOUS WASTE Solid
Hazard Class ____ UN/NA No. ____ PG ____ RQ amt ____ lb

RQ Desc: 1. ____ 2. ____
DOT Desc: 1. Absorbent and soil contaminated 2. with hydrocarbons.

5. Waste Codes None 352
Wastewater ____ Non Wastewater ____ Sub Category ____

6. Physical and chemical properties (check all that apply)

pH
a ___ < 2
b ___ 2 - 5
c ___ 5 - 9
d ___ 9 - 12.5
e ___ > 12.5 N/A exact

Specific Gravity
a ___ < .8
b ___ .8 - 1.0
c ___ 1.0
d ___ 1.0 - 1.2
e ___ > 1.2 N/A exact

Flash Point (F)
a ___ < 80
b ___ 80 - 100
c ___ 101 - 140
d ___ 141 - 200
e ___ > 200
f ___ no flash N/A exact

Solids
8 % suspended
100 % settleable
0 % dissolved
N/K % ash
N water solubility
N/K BTU/lb

Free Liquid Range 0 % to 0 %

Physical State
s X solid
m ___ semi-solid
l ___ liquid
p ___ pumpable semi-solid
f ___ flowable powder
g ___ gas
a ___ aerosol
r ___ pressurized liquid
d ___ debris per 40 CFR 268.45
h ___ sharps

Hazardous Characteristics
a ___ air reactive
w ___ water reactive
c ___ cyanide reactive
f ___ sulfide reactive
e ___ explosive
o ___ oxidizing acid
p ___ peroxide former
r ___ radioactive or NRC regulated
s ___ shock sensitive
t ___ temperature sensitive
m ___ polymerization/monomer
n ___ OSHA carcinogen
i ___ infectious
h ___ inhalation hazard
Zone. A, B, C, D

Odor:
a none
b mild
c strong
describe ____

Halogens
Br 0 % Bromine
Cl ___ % Chlorine
F ___ % Fluorine
I ___ % Iodine

Layers:	a ___ multilayered: Top Layer	b ___ bi-layered: Second Layer	c X single phase: Bottom Layer
Viscosity by Layer	___ high (syrup)	___ high (syrup)	___ high (syrup)
	___ medium (oil)	___ medium (oil)	___ medium (oil)
	___ low (water)	___ low (water)	___ low (water)
	___ solid	___ solid	X solid

Color ____

Used oil y/n N HOC<1000 ppm ___ or > 1000 ppm ___

WIP NO. 431944

ounty of Los Angeles
azardous Waste Program
515 S. Grand Ave,
os Angeles, CA 90007
213) 744-3223

Wayne Knecht (Asst PI Manager) CAT080010655

Rm. Shadman (PI Manager)

Date of Inspection: 5/20/83

SIC: 2813

No. Employees: 15

SURVEILLANCE AND COMPLIANCE REPORT
HAZARDOUS WASTE GENERATOR

ndustrial Waste Permit # 03113 (County) Los Angeles County PHL # 100) 067222

I.D. # /C/A/T/0/8/0/0/1/0/6/5/5/

ISD/ Yes (No)

Generator Name/Address	Mailing Address	Ownership
Air Products & Chemicals Inc		Air Products & Chemicals Inc
23320 So. Alameda St	23320 So Alameda St	18 VP's - Allentown, PA
Long Beach 90810	Long Beach 90810	

unty Los Angeles

Type of business: ~~Asst~~ Liquification of H_2 (g)

Persons present: R.L. Shadman (PI Manager)

ntact Person R.L. Shadman

one # (213) 830-5231

mples taken: Yes ___ (receipt attached) No X

Average Waste Volume (monthly): 800-1650 gal/mth

an of Correction necessary: Yes ___ (Due date: _____) No X

scussion with Management: R.L. Shadman (PI. Manager)

Caustic used to purify H_2(g) of CO_2

Use NaOH → 10% solution → 5,000 gal/4 mths

Have a N.P.D.E.S (No. CA0003085) issued by RWQCB (LA Region) to Discharge to the Dominguez Channel

On this date an inspection of your facility was conducted under authority of Section 25185, California Health & Safety Code and Section 66328, California Administrative Code. The collection of samples or other evidence, including the taking of photographs, was done under authority of Section 66328, California Administrative Code. The following conditions or practices observed this date are alleged to be violations of one or more sections of the California Health & Safety Code, Division 20, or California Administrative Code, Title 22, relating to the storage, handling, transportation, and disposal of hazardous and extremely hazardous waste or asbestos containing products.

Authorized Representative of Firm*
Name Richard Shadman
Title PI Mgr
Signature R Shadman
Date 5/20/83

Authorized County Agent
Name Peter Carroll
Signature Peter Carroll
Date 5/20/83

signifies receipt of copy of this form

3/83

ERATOR COMPLIANCE CHECKLIST

Section #		Compliance Yes	No	N/A
	MANIFEST			
66470 (a)	All applicable sections accurately and legibly completed	X		
(CAC) (b)	All hazardous waste transported offsite is recorded	X		
66475 (a)	Producer of waste section is completed and signed	X		
(b)	Hazardous wastes accurately described	X		
(c)	Degree of hazard indicated	X		
(d)	Proper D.O.T. shipping name is provided for each load	X		
(e)	Copy of manifest submitted to registered hauler upon transfer	X		
(f)	Volume of waste properly indicated	X		
(g)	Properly completed copies of manifest submitted monthly to DOHS	X		
	LAND DISPOSAL			
66490 (a)	Only at state approved facilities	X		
	INCOMPATIBLE WASTE			
66500 (a)	Contact/mixing of incompatible waste does not occur			X
(b)	Storage and transportation containers separated and protected			X
(c)	Wastes are not added to unwashed incompatible container			X
	OPERATION REQUIREMENTS FOR PRODUCER			
66505(a,b)	Hazardous determination made for all waste	X		
(c)	Hazardous waste taken to state approved facility	X		
	EXTREMELY HAZARDOUS WASTE PERMIT REQUIREMENTS			
66570(a,b)	No extremely hazardous waste is handled or disposed w/o permit			X
(d)	No deviation from DOHS approved handling and disposal methods			X
	HAZARDOUS WASTE FACILITY REQUIREMENTS			
25123.3	Does not store onsite hazardous waste for more than 90 days	X		
(H&Scode)	Does not store hazardous waste offsite for more than 96 hours			X
25201	Does not operate onsite hazardous waste treatment facility			X
	Does not operate onsite hazardous waste transfer station			X
	Does not operate onsite haz. wst. resource recovery facility			X
	Does not operate onsite hazardous waste disposal site			X
	UNDERGROUND TANKS			
	Does generator have underground tanks containing:			
	Hazardous materials?	X		
	Hazardous wastes?	X		
	Does generator have leak detection system for underground tanks?			

INFORMATION ONLY

Number of underground storage tanks? 4* (2) - Diesel, gasoline (1) - waste oil (1) waste caustic

Is there a sewer connection on premises? Yes ~~XX~~ NO

NPDES permit # CA 0003085 — Is there acess to storm drain inlet on premises? Yes X NO → Drainage channel

Is there a private liquid disposal system on premises? Yes X → Septic Tank/leach fields

NO ~~XX~~

* – Expl – explanation attached

PLANT SURVEY

DESCRIPTION OF OPERATIONS/PRODUCTS

Arco Crude Stock (85% H_2 & impurities) → → →
(feed stock) NaOH, Diesel fuel
remove CO_2 remove CH_4
(-420°)
Cooling tower is used to cool compressors Can produce 15 tons/day

RAW MATERIALS	PROCESS	WASTE		
		CHEMICAL TYPE	VOL. LBS. OR GAL.	DISPOSAL METHOD
H_2 (g)	purifying w/ Diesel, NaOH			
		Caustic NaOH	6,000 gal/4 mths	→ landfill - Bkk (Crosby - Overy
Solvents (cleaners)				
Stoddard Solvent →	Parts wash →	(Possibly goes in w/ waste oil)		
Oil →	Used in compressors →	Sump (2500 gal capacity) (pumped every 3-4 mths)	~100-150 gal/mth.	→ Asbury Pumped V.
Cooling water Treatment Corrosion inhibitors, Caustic flocculant, Cl_2 (g)				

ACTION: REFERRAL:

COMMENTS:

Arco Crude Stock (85% H_2) → Have 2 (120,000 gallon) spheres on premise for storage

1) Diesel scrubs — Diesel, CH_4 → Back to Arco across the street
2) NaOH scrubs — waste NaOH → Bkk
3) Oxygen
4) 1500 psi
5) refrigerate — further contaminants are removed by adsorpers
6) chip (CH_4) → Back to Arco (fuel gas)

Use ~110 gal. of solvent per yr.
Advised to account for waste

Los Angeles County • Certified Unified Program Agency

FACILITY INFORMATION (OES 2730)

☐ NEW BUSINESS ☒ OUT OF BUSINESS ☐ REVISE/UPDATE (EFFECTIVE 9-29-99) PAGE ___ OF ___ 102

FACILITY ID # 067220 1	CALENDAR YEAR BEGINNING 100	ENDING 101	
BUSINESS NAME AIR PRODUCTS AND CHEMICALS, INC 3		BUSINESS PHONE 310.518.0430 103	
SITE ADDRESS 23320 S. ALAMEDA ST. 104	CITY CARSON 105	CA	ZIP CODE 90810 106
DUN & BRADSTREET 107	LOS ANGELES 109	SIC CODE 2813 108	
OPERATOR NAME 110		OPERATOR PHONE 111	

OWNER INFORMATION

OWNER NAME (First Name, Last Name) 112		OWNER PHONE 113		
OWNER MAILING ADDRESS 114	CITY 115	STATE 116	ZIP CODE 117	

ENVIRONMENTAL CONTACT

CONTACT NAME (First Name, Last Name) 118		CONTACT PHONE 119		
CONTACT MAILING ADDRESS 120	CITY 121	STATE 122	ZIP CODE 123	

EMERGENCY CONTACT

PRIMARY		SECONDARY	
NAME (First Name, Last Name) 124		NAME (First Name, Last Name) 129	
TITLE 125		TITLE 130	
BUSINESS PHONE 126		BUSINESS PHONE 131	
24-HOUR-PHONE 127		24-HOUR-PHONE 132	
PAGER # 128		PAGER # 133	

REGULATED SUBSTANCES (RS)

ON-SITE RS ☐YES ☐NO 5 | If yes, and at or above Threshold Quantities, fill out Regulated Substance Registration (OES Form 2735.6)

MAILING/BILLING INFORMATION

ADDRESS 150			
CITY 151	STATE 152	ZIP CODE 153	

CERTIFICATION

Certification: I certify under penalty of law that I have personally examined and am familiar with the information submitted in this inventory and believe the information is true, accurate, and complete.

135 NAME OF DOCUMENT PREPARER (Print First Name, Last Name)	136 NAME OF OWNER/OPERATOR (Print First Name, Last Name)	138 TITLE
TAX ID # or SOC SEC #	137 SIGNATURE OF OWNER/OPERATOR	139 DATE

OFFICIAL USE ONLY	CPP	HW	HM	ARP	AST	UST	TP	CUPA	PA
INSPECTOR OSB	DISTRICT 8B	DATE OF INSP. 9/29/99	NO OF EMP.	DATE REC'D					

Getting control number

```
                                    DELETED                  2813   0672208
 Public Health License              10/22/99                 SIC    Acct #B
                                                05/05/97            18  100B
                                                Eff date            Empl  FeeB
      Now what?                                 AIR PRODUCTS & CHEMICALS INC
                                                DBA                       B
 T-Typo/minor                   23320       S
 C-major Change                 Begin End Frc
                                ALAMEDA                  ST
 Q-out of busn                  Street name              typ
 Z-dup acct                     CAR   90810-        C   -        B
 R-Revocation                   Unit  City  ZIP          Corp ID  B
 W-no longer haz                310/518-0430             610/481-4911B
                                Site phone               Owner phone B
 U-Undelete                                 AIR PRODUCTS & CHEMICALS INCB
                                Owner                             B

Control #                       Partner
 X082468                        Care of
                                23320 S ALAMEDA ST       LONG BEACH      CA 90810-
                                Mailing address          City         State ZIP

                                Press Esc to abort Enter to continue
```

```
                                    DELETED                  2813   0672208
 Public Health License              10/22/99                 SIC    Acct #B
                                                05/05/97            18  100B
                                                Eff date            Empl  FeeB
      Now what?                                 AIR PRODUCTS & CHEMICALS INC
                                                DBA                       B
 T-Typo/minor                   23320       S
 C-major Change                 Begin End Frc
                                ALAMEDA                  ST
 Q-out of busn                  Street name              typ
 Z-dup acct                     CAR   90810-        C   -        B
 R-Revocation                   Unit  City  ZIP          Corp ID  B
 W-no longer haz                310/518-0430             610/481-4911B
                                Site phone               Owner phone B

 U-Undelete                                 AIR PRODUCTS & CHEMICALS INCB
                                Owner                             B

Control #                       Partner
 X082468                        Care of
                                23320 S ALAMEDA ST       LONG BEACH      CA 90810-
                                Mailing address          City         State ZIP

                                Press Esc to abort Enter to continue
```

PHL# 067220 **INDUSTRY SURVEY** Los Angeles County Fire Department • Prevention Bureau — Health Hazardous Materials Division — LACoFD-HHMD • 151 v3.2 • 4/93

Code 100 | SIC# 2813 | EPA# | ☐Pending ☐NA

DBA AIR PRODUCTS

Owner AIR PRODUCT & CHEMICALS INC

Partner

Address number 23320 dir S street name ALAMEDA type | unit # | City CAR | Zip 90810

Mailing LONG BEACH CA 90810

Phone 310-518-0430

Interviewed LINDA ROBILLARD / CURT STEWART

Title SECTY / OPS SUPR

Product/Service REFILLS GAS CANNISTERS

Start Date 1972 | # of employees 14

# of shifts 2 | Operating hours 500 1730

Viol Rank 3 | CA Waste Code 1 221 | 2 | 3 | 4

☐ HWUT | Amt (PGT) Pounds, Gallons, Tons; per quarter 361 P/YR

☒ HRF | Mtl/Qty

Referrals ☐ AQMD ☐ B&S ☐ Fire ☐ IW ☐ OSHA ☐ SDHS ☐ _____

Viol 01 02 03 04 05 06 07 08 09 10 11 12 13 (14) 15 16 17 18 19 20 21 (22) 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 99

Visit Date	Start Time	Insp	Action	Time Invested	Special Circumstances
10/01/97	2:00	069	1 N	1:30	ROUTINE INSP.
/ /	:			:	
/ /	:			:	
/ /	:			:	

Signature(s)

Action codes: A-Abate C-Complaint E-Enforce H-Hearing I-Insp M-site Mit N-NOV O-no viol P-PHL Inv R-Revisit S-Samples T-Time ext X-other Z-non-gen

LINDA ROBILLARD SECTY

ARGON
AIR
H_2
N_2
METHANE

NO PRODUCTION → TODE TRAILERS —

LAB ANALYSIS FOR QUALITY

SERVICE COMPRESSOR VACUUM PUMP 5K/1 YR MNFST

ABSORBENT SPILL KIT

MNFST FROM 1995 CLEAN UP FROM HYDROGEN PLANT REMOVAL

HYDROGEN PLANT NEXT DOOR IS DISMANTLED & IS NOW A VACANT LOT. 2/95 MANIFEST SOLD GAS FROM LOT NEXT

SHIP DOCK →

RECEIVING DOCK

RETURNT FROM CUSTOMER ↑ N, AR ↑ CO NH_3 — 3 DRUMS

FLAME BLEND BOOTH OUTSIDE DART BOOTH

FILL — AIR N_2 H_2 PRES GOOD PS

TANK TO REAR — TODE TRAILER

SEP H_2 DOCK W/ OIL ACCUMULATORS SATELLITE LIQUID 3000 G

S # 26

BULK N_2 LIQUID 150

BLEND

AR

Los Angeles County • Certified Unified Program Agency
Health Hazardous Materials Division
Participating Agency to the City of Los Angeles and Santa Monica

NOTICE OF VIOLATION AND ORDER TO COMPLY

OWNER: Shelley Stuatt (Mgr)	FACILITY ID#: 067220	DATE: 9-29-99	
BUSINESS: Air Products & Chemicals, Inc.		REFER REPLY TO: SI AKIB HTMD 24309 A Narbonne Ave. Lomita, CA 90717 310, 534, 6270	
ADDRESS: 23320 S. Alameda St.			
CITY: Carson	ZIP: 90810		

Attention: The items marked on this notice and issued to you represent violations of the California Code of Regulations (CCR) or the California Health and Safety Code (H&S) and/or the Los Angeles County Code. These violations may result in non compliance fees, permit revocation, and/or civil/criminal penalties. Any time granted for correction of the violation(s) does not preclude any enforcement action by this Department or other agencies. *You are hereby directed to correct the violations within the time specified.* Failure to do so will be considered an additional violation. (Referenced titles & chapters: Titles 19, 22, 23, 27 of the CCR, Chapters 6.5, 6.7, 6.95 of the H&S Code and Title 12 of the Los Angeles County Ordinance).

PERMIT REQUIREMENT

Correction Date ___/___/___

101 ☐ Obtain a Unified Program Facility Permit by submitting a completed consolidated permit application package (CPP) (LA Co Ord. Sec. 12.50.075, 12.50.115).

HAZARDOUS WASTE GENERATOR REQUIREMENTS

HAZARDOUS WASTE DETERMINATION

Correction Date ___/___/___

501 ☐ Provide a hazardous waste determination for the following waste:

502 ☐ If using knowledge of the hazard characteristic and/or exclusion from regulation, provide supporting documentation (22CCR 66262.11).

IDENTIFICATION NUMBER

Correction Date ___/___/___

503 ☐ Obtain an EPA Identification number prior to treating, storing, disposal or transportation of hazardous waste (contact Cal-EPA at 916-324-1781, Fed EPA at 415-495-8895 for ID number).

504 ☐ Use a transporter or TSDF that has a valid Identification Number for transportation, treatment, storage, or disposal of hazardous waste [22CCR 66262.12(c)].

DISPOSAL, TREATMENT & TRANSPORTATION

Correction Date ___/___/___

505 ☐ Discontinue disposal of hazardous waste to an unauthorized location or to a facility which does not have a permit [H&S 25189.5(a)]

506 ☐ Obtain a permit/authorization for disposal of hazardous waste or legally dispose of such waste [H&S 25201(a), 22CCR 66270.1].

507 ☐ Discontinue transportation of hazardous waste or obtain a valid registration issued by DTSC prior to transportation or transfer of hazardous waste [H&S 25163(a)(1)].

508 ☐ Discontinue treatment of hazardous waste or obtain a valid permit or authorization for treatment of hazardous waste [H&S 25201(a)].

STORAGE

Correction Date ___/___/___

■ Discontinue storage or obtain a valid permit/authorization for storage of:

509 ☐ On-site hazardous waste in tanks or containers for more than 90 days [H&S 25201(a), 25123.3(b)(1), 22CCR 66262.34(c)].

510 ☐ On-site hazardous waste in tanks or containers in quantities exceeding 6,000 kilograms, or for more than the applicable accumulation period (180/270 days for generators of less than 1000 kg in any calendar month) [H&S 25201(a), 25123.3(h), 22CCR 66262.34(d)].

511 ☐ On-site hazardous waste for longer than one year or longer than the applicable accumulation time after 55 gallons has been reached at the point of generation (satellite storage) [22CCR 66262.34(e)].

512 ☐ Off-site hazardous waste in tanks/containers for any time period [H&S 25201(a), 25123.3(b)(2)].

513 ☐ Hazardous waste in other than containers, tanks, drip pads, or containment buildings [H&S 25201(a), 25123.3(b)(4)].

514 ☐ Hazardous waste at a transfer facility longer that 6 days or longer than 10 days for transfer facilities in industrially zoned areas [H&S 25201(a), 25123.3(b)(2),22CCR 66263.18].

515 ☐ Obtain an extension from DTSC for storage of hazardous waste at the staging site for remediation longer than one year [H&S 25201(a), 25123.3(e)].

DBA/Name Air Products, Inc. Owner Air Products, Inc.

USE AND MANAGEMENT OF CONTAINERS

Correction Date ___/___/___

■ Immediately transfer hazardous waste from containers that are:

516 ☐ Leaking or in poor condition (22CCR 66265.171).

517 ☐ Incompatible with contents (22CCR 66265.172).

518 ☐ Keep containers of hazardous waste closed, except when adding or removing contents [22CCR 66265.173(a)].

519 ☐ Handle containers of hazardous waste in a manner which will avoid causing ruptures/leaks [22CCR 66265.173(b)].

520 ☐ Discontinue placing incompatible wastes which may adversely react in the same container [22CCR 66265.177 (a)(b)].

521 ☐ Inspect areas at least weekly, where containers are stored, for leaking or deteriorating containers and containment systems (22CCR 66265.174).

■ If greater than 1000 kg of hazardous waste is accumulated within any calendar month, comply with the following:

522 ☐ Locate ignitable/reactive waste at least 15 meters (50 feet) from the site property line (22CCR 66265.176).

523 ☐ Separate, or protect by a berm or other device, containers of hazardous waste which are incompatible with other wastes or materials stored nearby. [22CCR 66265.177(c)].

524 ☐ Store hazardous materials in undamaged containers within 96 hours or manage as a hazardous waste [22CCR 66261.2(f)(2)].

CONTAMINATED CONTAINERS

Correction Date ___/___/___

525 ☐ Mark containers or inner liners greater than 5 gallons with the date emptied. Legally manage containers within one year of that date [22CCR 66261.7(e)(f)].

526 ☐ Manage as hazardous waste all containers, or inner liners of containers that contained hazardous waste and which are not legally empty, per CCR 66261.7(b) or (d) [22CCR 66261.7(p)].

LABELING AND MARKING REQUIREMENTS

Correction Date ___/___/___

527 ☐ Package, label and mark each container of hazardous waste per DOT(49CFR Parts 173, 178, 179) requirements before offering for transportation off site [22CCR 66262.31].

528 ☐ Ensure the transport vehicle is correctly placarded per DOT (49 CFR Part 172, Subpart F) for hazardous materials before offering hazardous waste for transportation off-site (22CCR 66262.33).

530 ☐ Mark containers of hazardous waste at the satellite accumulation area, with the date 55 gallons was reached within 3 days of reaching the limit [22CCR 66262.34(e)(3)].

531 ☐ Mark the accumulation start date on each container and portable tank [22CCR 66262.34(f)(1)].

532 ☐ Mark the date that the applicable accumulation period begins for each container and tank [22CCR 66262.34 (f)(2)].

533 ☐ Label each container and tank of hazardous waste with the words "Hazardous Waste" [22CCR 66262.34(f)(3)].

534 ☐ Label each hazardous waste container and tank with the composition, physical state, hazardous properties of the waste contained therein and the name and address of the generator [22CCR 66262.34(f)(3)].

535 ☐ Label hazardous materials container properly within 10 days or handle as a hazardous waste [22CCR 66261.2(f)(1)].

TANKS

Correction Date ___/___/___

536 ☐ Determine whether a tank is leaking or unfit for tank systems without secondary containment. Maintain a written integrity assessment certified by a registered professional civil engineer (22CCR 66265 et seq).

537 ☐ Ensure that a tank system is designed adequately of sufficient structural strength, and compatible with its contents [22CCR 66265.191(b)].

538 ☐ For tank systems installed after 07/14/86, retain on site the required written assessment certified by a registered professional engineer for tank testing that the system has sufficient structural integrity [22CCR 66265.192(a)].

539 ☐ Provide secondary containment capable of collecting and detecting within 24 hours any leaked hazardous waste [22CCR 66265.193(c)(4)].

540 ☐ Discontinue placing hazardous waste, or treatment reagents, in a tank system which will cause the tanks, containment system or ancillary equipment to leak, ignite or react [22CCR 66265.194(a)].

541 ☐ Store or treat ignitable or reactive hazardous waste in tanks in a manner that will prevent the possibility of the waste to ignite or react [22CCR 66265.198(a)].

542 ☐ Utilize control practices which prevent spillage and overflow [22CCR 66265.194(b)].

543 ☐ Maintain sufficient freeboard of at least 60 centimeters (2 ft) in uncovered tanks [22CCR 66265.194(b)(3)].

■ Conduct daily inspections of tanks for the following:

544 ☐ Discharge control equipment.

545 ☐ Corrosion.

546 ☐ Releases.

547 ☐ Monitoring and leak detection data.

548 ☐ Construction materials.

549 ☐ Secondary containment areas.

550 ☐ Level of waste in uncovered tanks [CCR 66265.195(a)].

551 ☐ Inspect cathodic protection systems (if present) and sources of impressed current [22CCR 66265.195(b)].

552 ☐ Immediately remove from service a tank system or secondary containment system that has leaked (22CCR 66265.196).

DBA/Name Air Products & Chemicals | Owner Air Products & Chem, Inc.

553 ☐ Remove/decontaminate all waste residues, contaminated tank systems and soils during closure of a tank system. Manage them as hazardous waste [22CCR 66265.197(a)].

554 ☐ Comply with buffer zone requirements for tanks containing ignitable or reactive hazardous waste per NFPA'S Flammable and Combustible Liquids Fire Code [22CCR 66265.198(b)].

RECYCLABLE MATERIALS

Correction Date ___/___/___

560 ☐ Store damaged batteries in closed containers which are capable of preventing release of acid and are labeled with the initial accumulation date [22CCR 66266.81(b)].

USED OIL/FILTERS

Correction Date ___/___/___

561 ☐ Discontinue contaminating used oil with hazardous waste (H&S Code section 25250.7).

562 ☐ Manage used oil to prevent discharge to sewer, drainage system, surface water, ground water, watercourses, or deposit on land. " Prevent" incineration of used oil or burning as fuel. [H&S 25250.05(a)].

563 ☐ Discontinue the use of used oil or recycled oil as a dust suppressant, insect or weed control agent [H&S 25250.5(b)].

■ Comply with the following requirements for handling used oil filters:

564 ☐ Manage used oil filters as hazardous waste, or . . . [22CCR 66266.130(a)].

565 ☐ Drain and recycle used oil filters as scrap metal within one year [22CCR 66266.130(b)].

566 ☐ Store filters in closed containers labeled with the words "Drained Used Oil Filters" and the accumulation start date [22CCR 66266.130 (c)(C)(3)].

567 ☐ Manage used oil that has been drained from used oil filters as hazardous waste [22CCR 66266.130(c)(6)].

PREPAREDNESS AND PREVENTION

Correction Date ___/___/___

568 ☐ Maintain site to minimize possibility of fire, explosion, or unplanned release of hazardous waste constituents to air, soil, or surface water, which could threaten human health or environment (22CCR 66265.31).

■ Equip the site with the following:

569 ☐ Internal communication alarm system [22CCR 66265.32(a)].

570 ☐ A device (i.e., telephone or two way radio) for calling outside emergency help [22CCR 66265.32(b)].

571 ☐ Fire, spill control and or decontamination equipment [22CCR 66265.32(c)].

572 ☐ Water at an adequate volume and pressure to supply water hose streams and foam-producing equipment, or automatic sprinkler [22CCR 66265.32(d)].

573 ☐ Test/maintain all communication and alarm systems, fire protection, spill control, or decontamination equipment (22CCR 66265.34)

574 ☐ Provide for immediate access to emergency communication and/or alarm systems during hazardous waste handling (22CCR 66265.34).

575 ☐ Maintain adequate aisle space for personnel and emergency equipment (22CCR 66265.35).

576 ☐ Make arrangements to familiarize police and fire emergency response, local hospitals, office of emergency services and or emergency response contractors, with potential hazards at the facility [22CCR 66265.37(a)].

577 ☐ Document in the operating records when state and local authorities refuse to enter into arrangement for emergency response [22CCR 66265.37(b)].

DOCUMENT REVIEW

MANIFEST SYSTEM

Correction Date 10/29/99

578 ☐ Prepare a complete Uniform Hazardous Waste Manifest for hazardous waste transported or sent offsite [22CCR 66262.20(a)].

579 ☐ Designate a facility on the manifest which is authorized to handle the hazardous waste [22CCR 66262.20 (b)].

580 ☐ Properly complete, sign, and date, applicable manifest sections [22CCR 66262.23(a)(1),(2)].

581 ☒ Submit generator manifest copies to CAL-EPA/Dept of Toxic Substances Control within 30 days of each shipment of hazardous waste [22CCR 66262.23(a)(4)].

582 ☐ Provide the appropriate manifest copies to the transporters [22CCR 66262.23(b)].

583 ☐ Submit the TSDF manifest copy that has been signed by all transporters (except rail transporters) and out-of-state facility operators to DTSC within 30 days for out-of-state shipments [H&S 25160(b)(3)].

■ Retain for a minimum of 3 years:

584 ☐ Signed copies of manifests [22CCR 66262.40(a)].

585 ☐ Shipping papers or receipts for milkrun operations for generators less than 100 kg/month [22CCR 66263.42(e)].

586 ☐ Copies of manifests/bills of lading for spent lead-acid batteries [22CCR 66266.81(a)(4), (B)].

DBA/Name	Owner
Air Products	Air Products

587 ☒ Receipts for used oil [H&S 25250.8(b)(3)].
588 ☐ Bills of lading for used oil filters [22CCR 66266.42(a), 66266.130(c)(5)].
589 ☐ Determine the status of a hazardous waste shipment when the facility manifest copy is not received within 35 days [22CCR 66262.42(a)].
590 ☐ Send an Exception Report to DTSC within 45 days when the facility manifest copy is not received [22CCR66262.42 (a)].

Provide manifests for all haz. waste generated on the premises

LAND DISPOSAL RESTRICTIONS (LDR)

Correction Date ____/____/____

591 ☐ Provide written notification to the receiving facility with each shipment stating whether the hazardous waste meets treatment standards [22CCR 66268.7(a)].

■ Notification must include the following:

592 ☐ EPA hazardous waste number or California Hazardous Waste Codes for non-RCRA hazardous waste listed in section 66268.29.
593 ☐ Corresponding treatment standards or technology set forth in Article 4 and 11 [22CCR 66268.7(a)(2)].
594 ☐ Manifest number associated with the waste shipment.
595 ☐ Waste analysis data, where available [22CCR 66268.7(a)(1)].
596 ☐ Submit a signed notice and certification for LDR waste which does not require further treatment [22CCR 66268.7(a)(2)].
597 ☐ Submit notification to the receiving facility that a waste is subject to an exemption [22CCR 66268.7(a)(3)].

599 ☐ Retain on site a copy of all notices, certifications, demonstrations, waste analysis data and other documentation, for at least five years [22CCR 66268.7(a)(7)].

EXPORTS OF HAZARDOUS WASTE

Correction Date ____/____/____

600 ☐ Exports of hazardous waste to a foreign country from the State are prohibited unless notification of intent to export is provided to US EPA/DTSC and consent of the receiving country is obtained (22CCR 66262.53 et seq).
601 ☐ Notify DTSC of intended export of hazardous waste 4 weeks prior to shipment [22CCR 66262.53(b)].
602 ☐ Replace the TSDF with the consignee on the manifest and identify the point of departure from the United States (22CCR 66262.54).

RECORDKEEPING AND REPORTING

Correction Date ____/____/____

603 ☐ Discontinue submission of manifests, records, applications or other documents containing false or erroneous information or statements [H&S 25189.5(a)].
604 ☐ Retain waste analysis test records for at least 3 years [22CCR 66262.40(b)].
605 ☐ Retain a copy of the Biennial Report/Exception Report for 3 years [22CCR 66262.40(b)].
606 ☐ Submit a Biennial Report with required information to DTSC by March 1 of even-numbered years [22CCR 66262.41(a)].
607 ☐ Submit a written report on a reportable release incident to the CUPA within 15 days of the event [H&S 25504(b), 22CCR 66265.56(j), 66265.77(a)].
608 ☐ Report to the local CUPA, every two years using the format established under section (d), the required information regarding the recycling of more that 100 kilograms per month of recyclable materials [H&S 25143.10(a)].

CONTINGENCY PLAN AND EMERGENCY PROCEDURES

Correction Date ____/____/____

610 ☐ For small quantity generators, post emergency numbers and location of emergency equipment next to the telephone [40 CFR 262.34(d)(5)].
611 ☐ Maintain a contingency plan onsite [22CCR 66265.51(a)]. *(A California Hazardous Materials Consolidated Contingency Plan that complies with the regulatory compliance matrix may be used to comply with the business plan and contingency plan requirement under H&S Code Section 25504 and 22CCR 66265.51(a)).*
612 ☐ Implement the portion of the business plan, contingency plan or consolidated contingency plan, relating to emergency procedures, for any occurrence of fire, explosion, or releases of hazardous materials/waste which could threaten human health or the environment [22CCR 66265.51(b), 66265.56].
613 ☐ Describe the actions needed to respond to an emergency [22CCR 66265.52(a)].
614 ☐ Describe arrangements agreed upon by emergency teams [22CCR 66265.52(c)].
615 ☐ Identify the emergency coordinators [22CCR66265.52(d)].

■ Contingency plan lacks the following:

616 ☐ Complete evacuation plan [22CCR 66265.52(f)].
617 ☐ Current telephone number of the State OES [22CCR 66265.52(g)].
619 ☐ A list of emergency equipment, the location, physical description, or the capabilities of the equipment [22CCR 66265.52(e)].

620 ☐ Submit a contingency plan to local emergency authorities [22CCR 66265.53(b)].

DBA/Name	Air Products & Chem.	Owner	Air Products

621 ☐ Amend contingency plan as necessary (22CCR 66265.54).
622 ☐ Maintain an emergency coordinator either on the premises or on call at all times (22CCR 66265.55).
625 ☐ Note the required information regarding the incident in the operating log [2CCR 66265.56(j)].

PERSONNEL TRAINING

Correction Date ___/___/___

626 ☐ For small quantity generators, ensure that the appropriate staff are adequately trained to manage waste and respond to emergencies [22CCR 66262.34 (d)(2)].
627 ☐ Ensure that training program is directed by a person trained in hazardous waste procedures [22CCR 66265.16(a)(2)].
628 ☐ Provide a training program directed by a representative trained in hazardous waste procedures [22CCR 66265.16(a)(2)].
629 ☐ Ensure that personnel complete the required training program within 6 months of employment, or work supervised positions prior to completing the training, to comply with the hazardous waste requirements [22CCR 66265.16(b), 66265.16(a)(1)].
630 ☐ Provide personnel an annual review of their initial training (on hazardous waste procedures) [22CCR 66265.16(c)].
631 ☐ Maintain onsite all required training documentation. [22CCR 66265.16(d)].
632 ☐ Maintain onsite training records on current and former employees within the last 3 years [22CCR 66265.16(e)].

SOURCE REDUCTION

Correction Date ___/___/___

634 ☐ Prepare and retain onsite current source reduction documents as applicable, and make them available to the inspector within five days of a request [H&S 25244.15(d), 25244.19, 25244.20, 25244.21].

■ Include the following required elements in the Source Reduction Evaluation Review and Plan (also known as a Source Reduction Plan):

635 ☐ Certification.
636 ☐ Amounts of wastes generated.
637 ☐ Process description.
638 ☐ Block diagrams.
639 ☐ Implementation schedule of selected source reduction measures (22CCR 67100.5).

CONSOLIDATION/REMOTE SITE COMPLIANCE

Correction Date ___/___/___

640 ☐ Submit the required notification to the CUPA before operating a consolidation site [H&S 25110.10(d)(1)].
641 ☐ Comply with the consolidation site operating requirements [H&S 25110.10(b)].
642 ☐ Submit the required notification before operating a remote site [H&S 25121.3(b)].
643 ☐ For non-RCRA waste at a remote site, comply with container and labeling requirements, notify the CUPA of the remote site exemption annually, and hold the waste at the site no longer than 10 days [H&S 25121.3(b)].

SITE MITIGATION/SITE CLOSURE

Correction Date 10/29/99

644 ☐ Provide a corrective action plan for unauthorized releases of hazardous waste or constituents to the ground (H&S 25187).
645 ☒ Owner or operator shall close the facility in a manner that:
a) minimizes the need for further maintenance, and
b) controls or eliminates all contaminated equipment, structures, and soil; or decontaminate by removing all hazardous waste residues (22CCR 66265.111, 66265.114, H&S 25187].

Provide a facility closure plan prior to vacating the premises by dates indicated above.

Authorized Rep:	Shelley Stuart	Title:	Plant Mgr.
Auth Rep Signature:	Via U.S. Mail	Inspected by:	

Notice of Violation and Order to Comply

COUNTY OF LOS ANGELES • FIRE DEPARTMENT
Health Hazardous Materials Division

Owner AIR PRODUCTS & CHEMICALS INC	Date 10/1/97
Business	Refer Reply To: S. MIYATA
Address 23320 S ALAMEDA ST.	HEALTH HAZARDOUS MATERIALS DIVISION 7300 Alondra Bl Ste 203 Paramount CA 90723 Office (310) 790-1810 Fax (310) 790-8002
City, ZIP Code CARSON 90810	

Violations: The conditions or practices checked below represent a violation of the referenced section of Title 22, California Code of Regulations (22 CCR, Div 4.5, Ch 10, Sec 66260.1 et seq), and/or Health & Safety Code Chapter 6.5 (H&S, Div 20, Ch 6.5, Sec 25100 et seq) for which there are civil and criminal penalties. Time granted for correction of violations does not preclude any enforcement action by this Department or other agencies. **You are directed to correct the violations within the times specified. Failure to do so will be considered an additional violation.**

HAZARDOUS WASTE DETERMINATION

Correction Date ___/___/___

01 ☐ Provide a hazardous waste determination for (CCR 66262.11)

DISPOSAL

Correction Date ___/___/___

Discontinue the illegal disposal of hazardous waste and/or extremely hazardous waste to an unauthorized location (H&S 25189.5):

02 ☐ trash/dumpster/ground;
03 ☐ storm drain;
04 ☐ sewer/septic system with a permit;
05 ☐ unpermitted facility.
06 ☐ Discontinue the disposal of hazardous materials containers which are not legally empty (CCR 66261.7)

EPA NUMBER/PERMITS

Correction Date ___/___/___

Obtain the following from the Cal-EPA:

07 ☐ EPA Identification Number (contact Cal-EPA, 916-324-1781, for ID number) (CCR 66262.12);
08 ☐ on-site waste treatment/disposal permit for (CCR 66270.1)

09 ☐ extremely hazardous waste permit for handling and disposal of (CCR 67430.1)

STORAGE AND MANAGEMENT OF CONTAINERS

Correction Date 10/15/97

Discontinue the on-site accumulation of hazardous waste:

10 ☐ longer than 90 days without an extension from DTSC (CCR 66262.34(c));
11 ☐ longer than 90 days after 100 kg has been accumulated (CCR 66262.34(b));
12 ☐ longer than 1 year or 90 days after 55 gallons has been accumulated at satellite storage.

Label the waste container with the following:

22 ☒ the words, "HAZARDOUS WASTE" (CCR 66262.34(f));
14 ☒ description of contents / hazardous property of waste / generator name and address (CCR 66262.34(f));
13 ☐ accumulation start date (CCR 66262.34(f)).

Provide hazardous waste containers which are:

15 ☐ in good condition (CCR 66265.171);
16 ☐ compatible with waste contents (CCR 66265.172);
17 ☐ closed/sealed during storage (CCR 66265.173);
18 ☐ handled/stored/segregated to minimize waste release/reaction (CCR 66265.177(c));
19 ☐ inspected at least weekly (CCR 66265.174).
25 ☐ Label hazardous materials properly within 10 days or handle as hazardous waste (CCR 66261.2(f)(1)).
26 ☐ Store hazardous materials properly within 96 hours or handle as hazardous waste (CCR 66261.2(f)(2)).
20 ☐ Properly manage used oil filters (CCR 66266.130).
21 ☐ Properly manage spent lead-acid storage batteries (CCR 66266.81).

NO LABEL ON WASTE OIL STORAGE

TANK REGULATIONS

Correction Date ___/___/___

23 ☐ Discontinue storing incompatibles in the same tank (CCR 66265.199).
24 ☐ Inspect tank and tank equipment daily and document in the operating record of the facility (CCR 66265.195).

Authorized rep CURTIS STEWART	Title OPS MGR	Page 1 of 1
Auth rep signature Curt Stewart	Inspected by S Miyata	LACoFD HHMD • NV1-PAR • v2.5 • 6/93

P027585

TEXAS NATURAL RESOURCE CONSERVATION COMMISSION 7-088-0
P.O. Box 13087
Austin, Texas 78711-3087

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039, expires 09/30/96

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAT080010655 | Manifest Document No.: 91162 | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: AIR PRODS & CHEMS INC, 23320 S ALAMEDA ST, LONG BEACH CA 90810
4. Generator's Phone: 310 518-0430

A. State Manifest Document Number: SK 491563
B. State Generator's ID: 99906

5. Transporter 1 Company Name: SAFETY-KLEEN CORP. | 6. US EPA ID Number: ILD.984908202
C. State Transporter's ID: 68888
D. Transporter's Phone: 714 241-7047

7. Transporter 2 Company Name: Diamond J | 8. US EPA ID Number: AZ0000015620
E. State Transporter's ID: 1481300
F. Transporter's Phone: 602 3502002

9. Designated Facility Name and Site Address: 00618 SAFETY-KLEEN CORP. 1722 COOPER CREEK ROAD DENTON, TX 76208 | 10. US EPA ID Number: TXD.077603371
G. State Facility ID: 65124
H. Facility's Phone: 817 383-2611

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
X	a. RQ WASTE FLAMMABLE LIQUIDS, N.O.S. (ALIPHATIC AND AROMATIC HYDROCARBONS) 3 UN1993 PG III (F003)(ERG#128)		DM		P	OUTS211R
	b. WASTE OIL AND WATER MIXTURE (NOT USDOT HAZARDOUS MATERIAL)	001	DM	00361	P	OUTS2051
	c. ABSORBENT (NOT USDOT OR USEPA HAZARDOUS MATERIAL)		DM		P	OUTS4091
	d.					

J. Additional Descriptions for Materials Listed Above: (A) 5003 DOG1 A2 243 IB) 222 TR 352 — 04 3325

K. Handling Codes for Wastes Listed Above: A) M141 B) M141/M051 C) M141

15. Special Handling Instructions and Additional Information: MFST R/T# 93336379 7-088-05-7635
EMERGENCY RESP 800-468-1760(24 HR). IF UNDELIVERABLE RETURN TO GENERATOR.
SK CORP AUTHORIZED TO RETAIN LICENSED SUBSEQUENT CARRIERS AS NECESSARY.
SKDOT# A 2107 B 1082 C 5470 D

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name	Signature	Month	Day	Year
CHARLES BEYER		09	10	97

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials — Date

Printed/Typed Name	Signature	Month	Day	Year
JOHN SHEEHAN		09	10	97

18. Transporter 2 Acknowledgement of Receipt of Materials — Date

Printed/Typed Name	Signature	Month	Day	Year
Eleanor Monday	Eleanor Monday	09	15	97

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. — Date

Printed/Typed Name	Signature	Month	Day	Year
L Raabe	L Raabe	09	19	97

TNRCC-0311 (Rev. 07/13/94) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

PROL# A)0001521942 B)0000215941 C)0001616161
SMPL# A)0001021576 B)0000362524 - 6 C)0001021257

State of California—Environmental Protection Agency
Form Approved. OMB No. 2050-0039. Expires 9-30-94
Please print or type. Form designed for use on elite (12-pitch) typewriter.

See Instructions on back of [illegible] 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
CAT080010615	9317256		

3. Generator's Name and Mailing Address
AIR PRODUCTS MANUFACTURING
23329 S. ALAMEDA ST
LONG BEACH, CA 90810

4. Generator's Phone 815) 481-8867

5. Transporter 1 Company Name	6. US EPA ID Number
CHEMICAL WASTE MANAGEMENT	ILD980992686
7. Transporter 2 Company Name	8. US EPA ID Number

9. Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT
35251 OLD SKYLINE ROAD
KETTLEMAN CITY, CA 93239

10. US EPA ID Number
CAT080033467

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
NON-RCRA HAZARDOUS WASTE SOLID (SOIL, GASOLINE)	002	DM	01500	P

03

15. Special Handling Instructions and Additional Information
WEAR PROPER SAFETY EQUIPMENT WHEN HANDLING
IN CASE OF AN EMERGENCY CONTACT CHEMICAL WASTE
MANAGEMENT AT (800) 765-8713

B.L. 122876

MLHPAZT

16. GENERATOR'S CERTIFICATION. I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
PAUL A BUSLOW	Paul A Buslow	02	16	95

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
David Stepp	[signature]	02	16	95

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Richard Salazar	[signature]	02	24	95

DO NOT WRITE BELOW THIS LINE.

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS.
(Generators who submit hazardous waste for transport out-of-state, produce completed copy of this copy, and send to DTSC within 30 days.)

DTSC-8022A (9/93)
EPA 8700-22

AIR PRODUCTS

Air Products and Chemicals, Inc.
7201 Hamilton Boulevard
Allentown, PA 18195-1501
Telephone (610) 481-4911

8 September, 1999

DTSC
P.O. Box 400
Sacramento, CA 95812-0400

RE: Submittal of DTSC Waste Manifest Copies
Air Products and Chemicals, Inc.
23320 S. Alameda Street, Long Beach CA
Facility EPA ID No. CAT 080010655

Dear Sir or Madame:

Enclosed please find the DTSC waste manifest copies for State Manifest Document Numbers 98521482 and 98521481. The manifested wastes were generated from/by facility closure activities.

If you have any questions or require additional information, please contact me at 610/481-3354, between 7:00 am and 4:30 p.m. east coast time.

Sincerely,

Ginger Patrick

Ginger Patrick
Environmental Coordinator
Gases & Equipment Environmental Group

enclosure

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type. Form designed for use on elite (12-pitch) t, iter.

See Instructions on back of e 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. | Manifest Document No. | 2. Page 1 of | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
AIR PRODUCTS & CHEMICALS 2393D S. ALAMEDA NORTH LONG BEACH CA 90813

4. Generator's Phone (310) 518-0460

A. State Manifest Document Number 98521481

B. State Generator's ID

5. Transporter 1 Company Name | 6. US EPA ID Number
ADVANCED ENVIR PROM SRVS(AEPS) NJD098053189

C. State Transporter's ID

D. Transporter's Phone (973) 347-7111

7. Transporter 2 Company Name | 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address | 10. US EPA ID Number
ONYX ENVIRONMENTAL SERVICES, L.L.C.
1704 W. FIRST STREET
AZUSA, CA 91702 CAD008302903

G. State Facility's ID

H. Facility's Phone (626) 334-5117

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
WASTE PAINT 9,UN1263,II	001	DM	00308	P	State 331 / EPA/Other D001
WASTE PAINT 9,UN1263,II	005	DM	01165	P	State 331 / EPA/Other D001
NON-RCRA HAZARDOUS WASTE SOLID (ABSORBENT CONTAMINATED WITH HYDROCARBONS) DOT NON-REGULATED,NONE	002	DM	00800	P	State 352 / EPA/Other NONE
NON-RCRA HAZARDOUS WASTE LIQUID (USED OIL) DOT NON-REGULATED,NONE	004	DM	01828	P	State 221 / EPA/Other NONE

J. Additional Descriptions for Materials Listed Above
A)430989/AZU064/ERG#127 C)423580/BULKKHF
B)430989/AZU064DEC/ERG#127 D)423581/AZU062

K. Handling Codes for Wastes Listed Above
a. b.
c. d.

15. Special Handling Instructions and Additional Information
PACKING SLIPS ATTACHED FOR CLARIFICATION EMERGENCY PHONE 888 353-2387
ONYX :AZUSA

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name: ROBERT WAGNER | Signature | Month 08 | Day 24 | Year 99

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: JOVAN DIAZ | Signature | Month 08 | Day 24 | Year 99

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month | Day | Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name | Signature | Month | Day | Year

DO NOT WRITE BELOW THIS LINE.

SC 8022A (4/97)
8700—22

Blue: GENERATOR SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
To: P.O. Box 400, Sacramento, CA 95812-0400

ate of California—Environmental Protection Agency
orm Approved OMB No. 2050-0039 (Expires 9-30-99)
ease print or type. Form designed for use on elite (12-pitch) ty

See Instructions on back of p 6.

Department of Toxic Substances Contro
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of	Information in the shaded areas is not required by Federal law.
CAT080010855	99003	A 7	

3. Generator's Name and Mailing Address
AIR PRODUCTS & CHEMICALS 23320 S. ALAMEDA
NORTH LONG BEACH CA 90810

4. Generator's Phone (310) 519-0430

A. State Manifest Document Number 98521482

B. State Generator's ID

5. Transporter 1 Company Name: ADVANCED ENVIR TECH SRVS(AETS)
6. US EPA ID Number: NJD065036196

C. State Transporter's ID

D. Transporter's Phone (973) 347-7111

7. Transporter 2 Company Name
8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
ADVANCED ENVIRONMENTAL TECHNICAL SERVICES
1125 HENSLEY STREET
RICHMOND, CA 94801
10. US EPA ID Number: CAT080010179

G. State Facility's ID

H. Facility's Phone (800) 343-2382

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
RQ WASTE AEROSOLS, FLAMMABLE, (EACH NOT EXCEEDING 1 L CAPACITY) 2.1,UN1950. DOT-E 11296 (D001)	001	DM	00225	P	State 331 EPA/Other D001
WASTE FLAMMABLE LIQUIDS, CORROSIVE, n.o.s. 3,UN2924,II	001	DF	00042	P	State 551 EPA/Other D005
WASTE FLAMMABLE LIQUIDS, CORROSIVE, n.o.s. 3,UN2924,II	002	DF	00070	P	State 551 EPA/Other D001
WASTE FLAMMABLE SOLIDS, ORGANIC, n.o.s. 4.1,UN1325,II	001	DF	00076	P	State 551 EPA/Other D001

J. Additional Descriptions for Materials Listed Above
A)423585/EAI218265/ER#126
B)423586/BM8244/ERG#132
C)423586/BQ4500/ERG#132
D)423586/BM8244/ERG#133

K. Handling Codes for Wastes Listed Above
a.
b.
c.
d.

15. Special Handling Instructions and Additional Information
PACKING SLIPS ATTACHED FOR CLARIFICATION EMERGENCY PHONE 888 353-2387
ONYX:AZUSA

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name	Signature	Month	Day	Year
ROBERT WAGNER		0 8	0 4	9 9

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
JOAN DIAZ		0 8	0 4	9 9

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year

DO NOT WRITE BELOW THIS LINE.

SC 8022A (4/97)
A 8700—22

Blue: GENERATOR SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
To: P.O. Box 400, Sacramento, CA 95812-0400

Please print or type. (Form designed for use on elite pitch) typewriter.)

Form Approved OMB No. 2050-0039 Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)	21 Generator's US EPA ID No.	Manifest Document No.	22 Page	Information in the shaded areas is not required by Federal law
	CAT080010655	99003 01987	2 of 2	

23 Generator's Name: AIR PRODUCTS & CHEMICALS
(310) 518-0430

23320 S. ALAMEDA
NORTH LONG BEACH, CA 90810

L State Manifest Document Number: 98521482

M State Generator's ID:

24 Transporter 1 Company Name | 25 US EPA ID Number | N. State Trans. ID | O. Trans. Phone

26 Transporter 2 Company Name | 27 US EPA ID Number | P. State Trans. ID | Q. Trans. Phone

	HM	28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	29 Containers No.	Type	30 Total Quantity	31 Unit Wt/Vol	R. Waste No.
a.	X	WASTE OXIDIZING SOLID, n.o.s. 5.1,UN1479,II	001	DF	00027	P	D001 551
b.	X	WASTE CAUSTIC ALKALI LIQUIDS, n.o.s. 8,UN1719,II	001	DF	00056	P	D002 551
c.	X	WASTE AMMONIA SOLUTIONS, WITH MORE THAN 10 PERCENT BUT NOT MORE THAN 35 PERCENT AMMONIA 8,UN2672,II	001	DF	00021	P	D002 551
d.	X	WASTE CORROSIVE LIQUID,BASIC,INORGANIC,n.o.s. 8,UN3266,II	001	DF	00019	P	D002 551
e.		NON-RCRA HAZARDOUS WASTE SOLID (ABSORBENT WITH HYDROCARBONS) DOT NON-REGULATED,NONE	002	DM	00800	P	NONE 352
f.		NON-RCRA HAZARDOUS WASTE SOLID (LAB PACK) DOT NON-REGULATED,NONE	001	DF	00018	P	NONE 551
g.		NON-RCRA HAZARDOUS WASTE LIQUID (LAB PACK) DOT NON-REGULATED,NONE	001	DF	00012	P	NONE 551
h.							
i.							

S. Additional Descriptions for Materials Listed Above
A)423586/BQ4500/ERG#140 B)423586/BQ4500/ERG#154 C)423586/BQ4500/ERG#154 D)423586/BQ4500/ERG#154 E)431944/AJ8508 F) G)423586/BQ4500

T. Handling Codes for Wastes Listed Above

32 Special Handling Instructions and Additional Information
PACKING SLIPS ATTACHED FOR CLARIFICATION EMERGENCY PHONE 888 353-2387

GENERATOR

TRANSPORTER

33 Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Date (Month Day Year)

34 Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Date (Month Day Year)

FACILITY

35 Discrepancy Indication Space

7-GENERATOR MAIL TO-GENERATOR STATE

EPA Form 8700-22A (Rev. 9-86) Previous edition is obsolete

ONYX ENVIRONMENTAL SERVICES

ONYX

10/20/99 3:47:26 1

AIR PRODUCTS & CHEMICALS
7201 HAMILTON BLVD.
ALLENTOWN PA 18195

ATTN : GINGER PATRICK

JOB SITE :
AIR PRODUCTS & CHEMICALS
23320 S. ALAMEDA
NORTH LONG BEACH CA 90810

EPA ID # : CAT080010655

THIS IS TO DOCUMENT THE TRACKING OF THE FOLLOWING WASTE MATERIALS ON MANIFEST NUMBER 98521482 REMOVED FROM YOUR FACILITY ON 8/24/99 .

THE WASTE CONSISTED OF :

1A	RQ WASTE AEROSOLS, FLAMMABLE, (EACH NOT EXCEEDING 1 L CAPACITY) 2.1,UN1950, DOT-E 11296 (D001)	1	DM
1B	WASTE FLAMMABLE LIQUIDS, CORROSIVE, n.o.s. 3,UN2924,II	1	DF
1C	WASTE FLAMMABLE LIQUIDS, CORROSIVE, n.o.s. 3,UN2924,II	2	DF
1D	WASTE FLAMMABLE SOLIDS, ORGANIC, n.o.s. 4.1,UN1325,II	1	DF
2A	WASTE OXIDIZING SOLID, n.o.s. 5.1,UN1479,II	1	DF
2B	WASTE CAUSTIC ALKALI LIQUIDS, n.o.s. 8,UN1719,II	1	DF
2C	WASTE AMMONIA SOLUTIONS, WITH MORE THAN 10 PERCENT BUT NOT MORE THAN 35 PERCENT AMMONIA 8,UN2672,II	1	DF
2D	WASTE CORROSIVE LIQUID,BASIC,INORGANIC,n.o.s. 8,UN3266,II	1	DF
2E	NON-RCRA HAZARDOUS WASTE SOLID (ABSORBENT WITH HYDROCARBONS) DOT NON-REGULATED,NONE	2	DM
2F	NON-RCRA HAZARDOUS WASTE SOLID (LAB PACK) DOT NON-REGULATED,NONE	1	DF
2G	NON-RCRA HAZARDOUS WASTE LIQUID (LAB PACK) DOT NON-REGULATED,NONE	1	DF

TRANSPORTER : ADVANCED ENVIR TECH SRVS(AETS) EPA ID # : NJD080631369
1 EDEN LANE
FLANDERS NJ 07836

MATERIALS WERE TRANSPORTED TO ADVANCED ENVIRONMENTAL RICHMOND, CALIFORNIA, CAT080014079.

MANIFEST NUMBER: 985[illegible]482

LINE	CONTAINER#	EPA ID/SITE/TECH	DATE	MANIFEST#
1A	AD0108716000110	ARD069748192 ENSCO INC. EL DORADO AR T09 INCINERATION	9/03/99	AR-1001853
1B	AD0108716000210	ILD098642424 TRADE WASTE INCINERATION, INC. SAUGET IL T09 INCINERATION	9/08/99	IL7855321
1C	AD0108716000310	ILD098642424 TRADE WASTE INCINERATION, INC. SAUGET IL T09 INCINERATION	9/08/99	IL7855328
1C	AD0108716000610	ILD098642424 TRADE WASTE INCINERATION, INC. SAUGET IL T09 INCINERATION	9/08/99	IL7855328
1D	AD01087160001110	ILD098642424 TRADE WASTE INCINERATION, INC. SAUGET IL T09 INCINERATION	9/08/99	IL7855322
2A	AD0108716000910	ILD098642424 TRADE WASTE INCINERATION, INC. SAUGET IL T09 INCINERATION	9/15/99	IL7855320
2B	AD0108716000510	ILD098642424 TRADE WASTE INCINERATION, INC. SAUGET IL T09 INCINERATION	9/08/99	IL7855328
2C	AD0108716000410	ILD098642424 TRADE WASTE INCINERATION, INC. SAUGET IL T09 INCINERATION	9/08/99	IL7855328
2D	AD0108716000710	ILD098642424 TRADE WASTE INCINERATION, INC. SAUGET IL T09 INCINERATION	9/08/99	IL7855328
2E	AD01087160001210	CAT000646117 CHEMICAL WASTE MANAGEMENT, INC KETTLEMAN CITY CA 03 LANDFILL	9/17/99	99112014
2E	AD01087160001220	CAT000646117 CHEMICAL WASTE MANAGEMENT, INC KETTLEMAN CITY CA 03 LANDFILL	9/17/99	99112014
2F	AD0108716000810	ILD098642424 TRADE WASTE INCINERATION, INC. SAUGET IL T09 INCINERATION	9/08/99	IL7855328

MANIFEST NUMBER: 985[illegible]482

LINE	CONTAINER#	EPA ID/SITE/TECH	DATE	MANIFEST#
2G	AD01087160001010	ILD098642424 TRADE WASTE INCINERATION, INC. SAUGET IL T09 INCINERATION	9/08/99	IL7855323

THIS MATERIAL WAS HANDLED IN COMPLIANCE WITH ALL CURRENT REGULATIONS. FURTHER INFORMATION WILL BE PROVIDED UPON REQUEST. ANY QUESTIONS ABOUT THIS DOCUMENT SHOULD BE DIRECTED TO ANDREW BABIJ, TECHNICAL DIRECTOR.

3/18/86

STATE OF CALIFORNIA—HEALTH AND WELFARE AGENCY GEORGE DEUKMEJIAN, *Governor*

DEPARTMENT OF HEALTH SERVICES
714/744 P STREET
SACRAMENTO, CA 95814

Preliminary Assessment Summary

Air Products & Chemicals, Inc.
23320 South Alameda Street
Carson, California 90810

March 1985

Preparer: Rich Brausch
Toxic Substances Control Division
Southern California Section
(213) 620-2380

PROBLEM AND HISTORY:

From 1942 through 1962, this site was used as an equipment storage area for the ARCO Refinery located across the street.

In 1962, Air Products & Chemicals, Inc. leased the property for their cryogenic gas processing operation where they manufactured liquid hydrogen. This operation has continued through to the present date.

The plant's wastewater effluent has been monitored closely by the Regional Water Quality Control Board because they discharge into the Dominguez Channel. Their domestic and laboratory wastes are disposed of to a septic system on site rather than to sanitary sewers. Septic system disposal poses a problem since lab wastes have been analyzed and shown to contain phenols, oils and grease.

In an early inspection report, mention was made of practice early in the plant's history of disposing of their wastes by dumping them on the ground near the channel. No information was available to determine the quantity of wastes disposed of in this manner.

RECOMMENDATION:

Because of the past and present practices of disposing laboratory wastes into the septic system and because of the initial waste disposal techniques, staff recommends active status, medium priority. As an active generator of hazardous waste, this facility will be referred to the Los Angeles County Department of Health Services.

PRELIMINARY ASSESSMENT
Region 9

Preparer's Name Rick Brausch Date March 1985

	SOURCE	INFORMATION
1. Site **ID Number**		
2. Site Name	California Dept. of Health Services (DOHS) Toxic Substances Control Division (TSCD)- Abandoned Site Project (ASP) Solid Waste information System (SWIS) Form 4-19-82	Air Products & Chemicals, Inc.
3. Site Location	Same as #2	23320 South Alameda Street Carson, CA 90810
4. County	Same as #2	Los Angeles County
5. Owner	Los Angeles County Tax Assessors (LACTA) 1-29-85	Atlantic Richfield Company (ARCO) 2679 Terminal Annex Los Angeles, CA 90051 (213) 486-3511
6. Operator	Phone memo 2-7-85 Ron Shadman- Air Products & Chemicals (213) 830-5231	Air Products & Chemicals, Inc. 23320 South Alameda St. Carson, CA 90810 (213) 830-5231
7. Type of Ownership	Same as #5	Corporate
8. Status	Same as #6	Active
9. Source Activity	a) Phone memo 2-19-85 Pat Avery- Arco (213) 548-8045	1942 - @1962: Equipment storage

PRELIMINARY ASSESSMENT
Region 9

Preparer's Name Rick Brausch
continuation

Date March 1985

	SOURCE	INFORMATION
9. Source Activity (continuation)	b) Los Angeles County Engineers (LACE) Industrial Waste Permit 3-5-63	@1962-present Cryogenic Gas Processing
10. Years of Operation	Same as #9(a)	1942-present
11. Facility Type	Same as #9(b)	Underground tanks Barrels Direct drainage to Dominguez Channel
12. Waste Type and Description	Los Angeles County Dept. of Health (LACH) Inspection Report 5-20-83	Cooling water-to Dominguez Channel Stoddard Solvent - Closed System 110 gal/year Sodium Carbonate - 40 gal/min-in wastewater to channel Caustic Stripper - Underground tank-1050gal/mo

13. Contacts:

Ron Shadman	Plant Manager	Air Products & Chemicals, Inc	(213) 830-5231
Pat Avery	Environmental Engineer	ARCO	(213) 548-8045

14. Incidents:

1975 Explosion and Fire - responded to by Carson Fire Department; all equipment destroyed; no attempts made to contain any waste spills; all runoff washed to Dominguez Channel.

Fire and Explosion X Direct Contact _____

15. Inspections (date, type, by whom, recommendations)

07-13-62 - 05-20-83 Regular generator inspections by Los Angeles County Engineers and Los Angeles Regional Water Quality Control Board; visual inspections and chemical analyses; initial on-site disposal corrected.

10-28-82 Drive-by, Abandoned Site Project, site description.

05-20-83 Generator inspection, Los Angeles County Health Department; no problems found; process described.

16. Enforcement History (list date, type of action, requirements, outcome)

None documented.

17.a. Initial recommendation for further action:

Because of the present practice of disposing laboratory wastes into the septic system which has continued from the past and because of the initial waste disposal techniques, staff recommends active status, medium priority.

17.b. EPA recommendation for further action:

Formerly-Air Products, Inc

Air Products and Chemicals INC.

ALLENTOWN, PENNSYLVANIA

COUNTY ENGINEER
REPLY ATTN INFO
FEB 2 1 38 PM '62
REPT TO ___ PREPARED BY 395-4911
JAL ___ HTB ___
LBK ___ CDG ___ LDM ___

January 30, 1962

I-5385

Department of the County Engineer
County of Los Angeles
Industrial Waste Division
108 W. Second Street
Los Angeles, California

Attention: J. L. Parton
Division Engineer

Dear Mr. Parton:

I would like to express my personal appreciation of the assistance and guidance given to our representatives last week at your office. The expeditious design and construction of our liquid hydrogen plant has been measurably expedited by the assistance that we received.

A matter of concept regarding the disposition of industrial wastes must be resolved prior to continuing with our program. Your approval is solicited for the wasting of spent caustic from our system to the Dominguez Channel near the corner of Sepulveda Boulevard and Alameda Streets. The caustic quantities and amounts to be wasted are as follows:

Quantities - 6 Gallons per hour

H_2O - 88%
NaOH - 2%
Na_2CO_3 - 10%

These concentrations may be further reduced by dilution with cooling tower blowdowns which will amount to 75 gallons per minute.

These data are supplied in confirmation of a discussion between your Mr. Lorenzo Quintana and the writer. If there is any further information required, please let me know.

Very truly yours,

F. B. Eastman
Chief Project Manager

cc: Mr. M. J. Kudroff
Daniel, Mann, Johnson and Mendenhall
3325 Wilshire Boulevard
Los Angeles, California

REQUEST FOR I NUMBER

I 5385-2

W.S. 28-E-2

Name Air Products and Chemicals Inc

Address of Industry 23320 S. Alameda

Locality

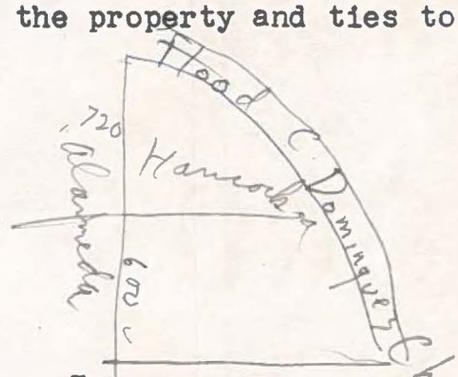
(Do not show mailing address located elsewhere)

Between Dominguez Channel & and Sepulveda

RECORDS SQUAD MUST BE FURNISHED WITH THE FOLLOWING ITEMS TO ENABLE PLOTTING THE PROPERTY ON OUR INDEX MAPS

1. A plot or sketch showing dimensions of the property and ties to cross streets

See Plot plan



2. Legal (Optional) Lot ____ Blk. ____ Tr. ____

By C Quintana Date 3-9-62

REQUEST FOR NAME CHANGE

I ____ -

Formerly: Name ____

Address ____

To: Name ____

Address ____

By ____ Date ____

PROCESSING

File folder & indexing by ~~KX~~ DR 3-12-62

Plotted by Dabes 3-29-62

City or ~~unincorporated~~ County

IBM index by DR 3-9-62

Forward to "I" file upon completion of IBM indexing.

#162

431 2 3208

1254

Air Products and Chemicals
INC.
ALLENTOWN, PENNSYLVANIA

MAIL ADDRESS
6701 S. SEPULVEDA BLVD.
LOS ANGELES 45, CALIF.

TELEPHONE
SPRING 6-1881
ORCHARD 0-8044
TWX INGL 4135

March 26, 1962

County of Los Angeles
Department of County Engineer
Building and Safety Division
108 West Second Street
Los Angeles 12, California

I-5385

Attention: Lorenzo Quintiana

Subject: Air Products and Chemicals, Inc.
23320 South Alameda Street
Control Building
Plan Check No. 3836

Gentlemen:

This letter will confirm conversation between Mr. Lorenzo Quintiana of the Building and Safety Division and Mr. James A. Goring of Daniel, Mann, Johnson and Mendenhall, wherein it was stated that industrial wastes emanating from the Control Building Laboratory would be limited to 1000 cc per week of 10% caustic and 500 cc per week of 5% acid. These wastes will be disposed of in the facility sanitary system.

Yours very truly,

AIR PRODUCTS and CHEMICALS, INC.

George W. Bretz
Construction Manager

GWB/kdh

RICHFIELD OIL CORPORATION

REFINING DIVISION • P. O. BOX 787 • WILMINGTON, CALIFORNIA

T-5385

March 27, ~~1962~~

Mr. John A. Lambie, County Engineer
County of Los Angeles
Dept. of County Engineer, Bldg. & Safety Depts.
108 W. Second Street
Los Angeles, California

Dear Sir:

This is to certify that the Richfield Oil Corporation has reviewed drawing number 1-6100-57-252, dated March 17, 1962, prepared by the Air Products and Chemicals, Incorporated, for drainage for the property having an address of 23320 South Alameda Street which is adjacent on the north, east, and south to property owned by the Richfield Oil Corporation.

There is and will be no objections on the part of the Richfield Oil Corporation for work performed by Air Products and Chemicals, Incorporated in connection with the traverse of the drain line, marked 21" V.C., through 50 feet of Richfield Oil Corporation property en route to the Flood Control Channel.

Richfield Oil Corporation holds the county free of liability and responsibility for the work on this property.

Yours truly,

RICHFIELD OIL CORPORATION

By L. F. Strader

L. F. Strader
General Manager
Manufacturing

I-5385

COUNTY ENGINEER
REPLY ___ ACTN ___ INFO ___
REF TO

DANIEL, MANN, JOHNSON, & MENDENHALL

3325 WILSHIRE BOULEVARD · LOS ANGELES 5, CALIFORNIA · DUNKIRK 1-3603

APR 12 10 11 AM '62
REPT TO ___ REPLY ___
JAL ___ HTB ___
LBK ___ COG ___ LDM ___

PRESIDENT
IRVAN F. MENDENHALL, C.E.
EXECUTIVE VICE PRESIDENTS
PHILLIP J. DANIEL, A.I.A.
ARTHUR E. MANN, A.I.A.
S. KENNETH JOHNSON, A.I.A.
STANLEY A. MOE, A.I.A.
VICE PRESIDENT
T. K. KUTAY, A.I.A.

April 9, 1962

County of Los Angeles
Department of County Engineer
Building and Safety Division
108 West Second Street
Los Angeles 12, California

Attention: Mr. Lorenzo Quintiana

Subject: Air Products and Chemicals, Inc.
Hydrogen Facility
23320 South Alameda Street
County of Los Angeles, California

Gentlemen:

Transmitted herewith are two sets of prints covering the proposed Storm Drainage Outfall as submitted to the Los Angeles County Flood Control District today.

For your convenience we are enclosing two copies of the letter sent to the Flood Control District and Air Products Drawing No. 252E.

Very truly yours,

J. A. Goring

DANIEL, MANN, JOHNSON, & MENDENHALL

J. A. Goring
Project Architect
/vm
Enclosures
cc: Mr. George W. Bretz

I-5385

COUNTY ENGINEER
REPLY ___ ACTN ___ INFO ___
REFD TO

20 AM '62
REPT TO ___ PREP REPLY
JAL ___ RTB ___
LBK ___ CDG ___ LDH

DANIEL, MANN, JOHNSON, & MENDENHALL
3325 WILSHIRE BOULEVARD · LOS ANGELES 5, CALIFORNIA · DUNKIRK 1-3663

PRESIDENT
IRVAN F. MENDENHALL, C.E.
EXECUTIVE VICE PRESIDENTS
PHILLIP J. DANIEL, A.I.A.
ARTHUR E. MANN, A.I.A.
S. KENNETH JOHNSON, A.I.A.
STANLEY A. MOE, A.I.A.
VICE PRESIDENT
T. K. KUTAY, A.I.A.

April 16, 1962

I-5385-2

Mr. J. A. Lambie
County of L. A. Engineering Department
108 West Second Street
Los Angeles, California

Attention: Mr. J. L. Partin

Subject: Air Products and Chemicals, Inc.
Hydrogen Facility
23320 South Alameda Street
County of Los Angeles, California

Gentlemen:

At the request of Mr. L. Quintiana, we are transmitting herewith one copy of Air Products and Chemicals, Inc.'s brochure for their Hydrogen Facility at 23320 South Alameda Street.

We trust the information contained in the brochure will be of help in explaining the functions of the different structures which you have had under review.

In answer to the question raised by Mr. Quintiana as to the function of the Perlite Silo, it is our understanding that this structure houses "Perlite" insulation which is used to insulate certain equipment, such as the cold boxes, etc. At the time of equipment servicing it may be necessary to temporarily return the insulation to the silo.

Very truly yours,

James A. Goring

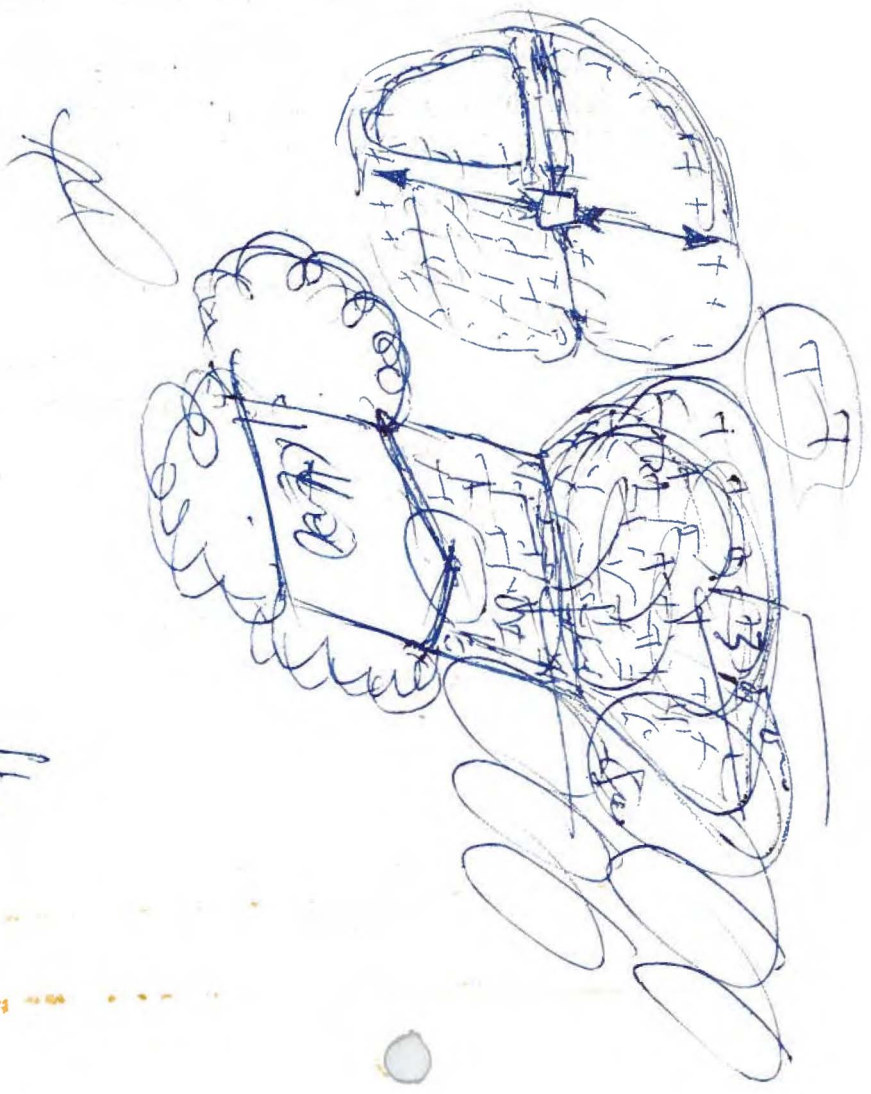
DANIEL, MANN, JOHNSON, & MENDENHALL

James A. Goring
Project Architect
/vm
Enclosure
cc: Mr. George W. Bretz

RECEIVED
Department of County Engineer
INDUSTRIAL WASTE DIVISION
APR 17 1962

Ref. to .....

Per .....



E015

I-5385-20

MEMORANDUM

TO: Tom Otteson
FROM: Bernard Valasky
DATE: July 13, 1962
FILE: AIR PRODUCTS AND CHEMICALS INC. I-5385-20
23320 S. Alameda Street

Attached are approved plans showing facilities to be constructed at the hydrogen liquefying plant to be located at the above address.

The process includes using waste gas from the reforming process at the Richfield Refinery. This waste gas contains about 80 to 90 percent of elemental hydrogen together with other gases. Previously, the Richfield Company had been using this product for firing their boilers. These gases will now be pumped to the proposed new Air Products plant and the end product at this new plant will be pure hydrogen.

The gases pumped from the Richfield Refinery are passed through a light oil, stripping benzene and other aromatics. There will be no waste from this stripper. Carbon dioxide is removed in a caustic stripper and the spent solution from this stripping operation, sodium carbonate, will be discharged to Dominguez Channel. Other discharges to Dominguez Channel include 75 gallons per minute of cooling tower bleedoff and storm runoff. Included also is a small control laboratory which discharges into the domestic sanitary system. The discharge of these small amounts of laboratory wastes has been discussed and approved by the Health Department. Other facilities include floor drains in a Maintenance Building for washdown which will discharge also to the sanitary system. Included also are plans showing details of the connection to Dominguez Channel. A Permit for this connection has been issued by the Los Angeles County Flood Control District.

If the above facilities are installed, an Industrial Waste Permit will be required.

BIV-LQ:rst
Attachment
cc: Region 20
WC
JH
LQ
I-5385-20

Mr. John A. Lambie
County Engineer
County Engineering Building
108 West Second Street
Los Angeles 12, California

I-538

MARCH 5 19 63

Attention Mr. Arthur Pickett
Industrial Waste Division Engineer

Dear Sir:

APPLICATION FOR INDUSTRIAL WASTE PERMIT

Firm Name AIR PRODUCTS AND CHEMICALS INC.

Corporation X Partnership _____ Individual _____

Owner's Name(s) _____

Address (mailing) 23320 S. ALAMEDA Phone No. 835-0106

Address (of installation) LONG BEACH 10, CALIF.

Description of Industry CRYOGENIC GAS PROCESSING

Description of operation producing waste COOLING WATER TOWER
GAS ANALYSIS LABORATORY

Chemicals, solvents, cleaning compounds, oils or other substances contained in liquid waste discharge _____

Estimated amount of waste liquids 40 GPM COOLING TOWER BLOWDOWN
15 GPD LAB. SINK WASTE

Liquid wastes will be disposed by COOLING TOWER BLOWDOWN TO DOMINGUEZ CHANN
LAB. WASTE TO DOMESTIC SEWER

Description of solid wastes NONE

Solid wastes will be disposed by DOES NOT APPLY

Additional information _____

D. N. Reimer
(Applicant's Signature)

Additional information regarding this application may be obtained by calling the Industrial Waste Division of the County Engineer's Office, Room 226, 108 West Second Street, Los Angeles 12, California, MAdison 9-4747, Extension 81431. Industrial Waste Application Fee of $10.00 should be made payable to John A. Lambie, County Engineer. This application fee is not refundable.

6/1/60

Assign # 5165

Check # 18553 90-2233 1222 3-6-63 Gas Products & Chemicals Inc

INDUSTRIAL WASTE SURVEY

City _____ I. File No. 5385-20

S.M.D. No. _____ Permit No. P.I.P.

Firm Name: Air Products and Chemicals Inc.

Address: 23320 S. Alameda Tel. No. 835-0106

between 223rd st and Sepulveda Blvd.

Contact Name Dan Rezmer Title: Process Supt

Business and Processes: Mfg. liquid hydrogen - Feed stock, formerly a waste gas from Richfield Refinery, contains 80 to 90% hydrogen with other gasses. This is first passed through a light oil, stripping benzine & aromatics. (No waste) Hydrogen gas is pressurized to 1500 PSI. liquified, and then hauled to govt. missle programs. Benzines & aromatics pass through a caustic stripper creating a sodium carbonate waste to channel. This and cooling tower bleedoff approx 40 GPM to channel. Waste to outside Incidental wastes used in laboratory analysis: 15 gallons daily plus domestic

TYPE AND QUANTITY I.W.: wastes hauled: 6866 lbs. every 2 months spent caustic hauled by Coast Tank Serv. to Stringfellow quarry - Riverside.

WASTE DISPOSAL:

Sewer: S.M.D. _____ San Dist. _____ Volume 1592 l day

Surface Drainage To Dom. channel Cooling Water Bleedoff to channel Uncontaminated none

Underground All sewage to Septic tank then to seepage pits

Other none

PRETREATMENT FACILITIES:

Location _____

Trap: Standard none Non Standard none

Other: 2 sinks in lab, 6 floor drains, one floor sink

REQUIREMENTS AND DATA:

Inspection yes Frequency monthly Permit P.I.P.

New Industry yes Resurvey _____ T.C. Requested yes

Classification 203 Method of Disposal Septic tank seepage pits Dominguez channel

REMARKS AND RECOMMENDATIONS:

Present I.W. facilities are adequate.

I.W. approval of plans by R. Quintana 3-29-62

This will be included in our periodic inspection schedule.

Survey by: L. Davis Date: 3-5-63

March 8, 1963

File

Mr. Linne C. Larson, Executive Officer
Regional Water Pollution Control Board No. 4
504 Spring Arcade Building
541 South Spring Street
Los Angeles 13, California

Attention Mr. L. A. Meyerson

Dear Sir:

AIR PRODUCTS & CHEMICALS INC.
(I-5385-20)

In accordance with the procedure established between our offices in the matter of processing applications for Industrial Waste Permits, it is requested that you contact all State agencies which, in your opinion, may be concerned with the proposed operations described in the attached application.

This application will be discussed at the next Industrial Waste Committee Meeting tentatively set for April 2, 1963.

Very truly yours,

John A. Lambie
COUNTY ENGINEER
Original Signed

John W. Henderson
Civil Engineer
Industrial Waste Division

JWH-JCT-8:hf

Enc.

FILE

March 8, 1963

Dr. K. H. Sutherland
Los Angeles County Health Officer
241 North Figueroa Street
Los Angeles 12, California

Attention Mr. Henry L. Messier

Dear Sir:

AIR PRODUCTS & CHEMICALS, INC. (I-5385-20)

In accordance with requirements of Sections 6207 and 6208 of Ordinance No. 6130, your recommendations are requested in the matter of processing the attached application for an Industrial Waste Permit.

This application will be discussed at the next Industrial Waste Committee Meeting tentatively set for April 2, 1963.

It is particularly requested that your recommendations be submitted to this Office not later than the week immediately following the Committee Meeting.

Very truly yours,

John A. Lambie
COUNTY ENGINEER

Original Signed
John W. Henderson
Civil Engineer
Industrial Waste Division

JWH:hf
Enc.

L-9

March 8, 1963

File

Mr. M. E. Salsbury
Chief Engineer
L.A. County Flood Control District

Attention Mr. O. D. Hall

Dear Sir:

AIR PRODUCTS & CHEMICALS, INC.
(I-5385-20)

The enclosed application for an Industrial Waste Disposal Permit will be considered at the next meeting of the Industrial Waste Committee Meeting on **April 2, 1963.**

Very truly yours,

John A. Lambie
COUNTY ENGINEER

Original Signed
John W. Henderson
Civil Engineer
Industrial Waste Division

JWH-CJF-8:hf

Enc.

J. Thompson
I-5385-20

March 11, 1963

Air Products and Chemicals, Inc.
23320 South Alameda Street
Long Beach 10, California

Gentlemen:

AIR PRODUCTS AND CHEMICALS, INC. (I-5385-20)

Enclosed is a receipt for the $10.00 Industrial Waste Permit Application Fee submitted with your request to discharge industrial wastes from your gas processing facilities located at 23320 South Alameda Street.

Your application has been placed on the agenda for review at the next meeting of the Industrial Waste Committee tentatively scheduled for April 2, 1963, at 1:30 P.M. in Room 1015 of the County Engineering Building. You are invited to attend this meeting, if you desire, to present additional information which may supplement the data shown on your Industrial Waste Permit Application.

Yours very truly,

John A. Lambie
COUNTY ENGINEER

John W. Henderson
Civil Engineer
Industrial Waste Division

JWH-CJT:iw-8

Enc:

bc; JWH, JCT, I-4767-20

I-5385-20

4-12

March 11, 1963

Air Products and Chemicals, Inc.
23320 South Alameda Street
Long Beach 10, California

Gentlemen:

AIR PRODUCTS AND CHEMICALS, INC. (I-5385-20)

Enclosed is a receipt for the $10.00 Industrial Waste Permit Application Fee submitted with your request to discharge industrial wastes from your gas processing facilities located at 23320 South Alameda Street.

Your application has been placed on the agenda for review at the next meeting of the Industrial Waste Committee tentatively scheduled for April 2, 1963, at 1:30 P.M. in Room 1015 of the County Engineering Building. You are invited to attend this meeting, if you desire, to present additional information which may supplement the data shown on your Industrial Waste Permit Application.

Yours very truly,

John A. Lambie
COUNTY ENGINEER

Original Signed

John W. Henderson
Civil Engineer
Industrial Waste Division

JWH-CJT:iw-8

Enc:

bc; JWH, JCT, I-4767-20

I-5385

Lab. Copy ..... WHITE
I File Copy ..... BUFF
Field Copy ..... PINK
Num. Copy .... GREEN

COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
INDUSTRIAL WASTE DIVISION

CHEMICAL ANALYSIS

Analysis requested by Joe Knight

Sample of [redacted] I.W. water to Dominguez Channel

from Air Prod. & Chem. 23320 S. Alameda *file:* I-5385-20

Source of suspected contaminants, i.e., character of industrial process, etc.

Sample marked AP-#1 *collected by* L. Davis

Quantity 2 grabs *Date* 3-6-63 *Time of day* 1:45 PM

	PARTS PER MILLION		PARTS PER MILLION
Calcium	120	Hydroxide	0
Magnesium	45	Carbonate	0
Sodium	256	Bicarbonate	132
Iron	0	Chloride	210
Manganese	0	Sulfate	530
Aluminum	0	Nitrate	10
Boron	0	Sulfide	0
Chromium	140	Fluoride	1.0
Silica	14.	Phosphate	0.1
		Cyanide	0
Total Cations	449	Total Anions	943.1
		Total Ions (calculated dissolved solids)	1325.

pH	7.9	Dissolved Oxygen	
Hardness (as $CaCO_3$)	480	Biochemical Oxygen Demand	
Alkalinity (as $CaCO_3$)	108	Dissolved Solids	
Carbon Dioxide (Calc.)	2.5	Suspended Solids	
Phenols		Total Solids	
Oil & Grease		Turbidity	25
Non-Carbonate. Hardness	372	Sodium Ratio	53.5
Conductance K x 10^{-6}	2235		

Remarks or special analyses standard water analysis

Received at laboratory 3-6-63 *Laboratory No.* 16931

Analysis by C & P *Date* 3-13-63

76C211F—CE 644— Gb 5-59

COUNTY OF LOS ANGELES
HEALTH DEPARTMENT
241 N. Figueroa Street
Los Angeles 12, California

K. H. Sutherland, M.D.
HEALTH OFFICER

Gerald A. Heidbreder, M.D.
Chief Deputy Health Officer

COUNTY ENGINEER
REPLY ___ ACTN ___ INFO ___
REFD TO
MAR 15 10 25 AM '63
REPT TO ___ PREP REPLY
JAL ___ HTH ___
LBK ___ CDG ___ LDM ___

I-5385-20

March 14, 1963

Mr. John A. Lambie, County Engineer
108 West Second Street
Los Angeles 12, California

Attention: Mr. John W. Henderson, Civil Engineer
Industrial Waste Division

Dear Sir:

Subject: Air Products & Chemicals, Inc.
23320 South Alameda, Long Beach (I-5385-20)

The Los Angeles County Health Department will have no objection to the issuance of an industrial waste permit to the subject applicant in accordance with their application of March 5, 1963.

Very truly yours,

K. H. SUTHERLAND, M. D.
Health Officer

Henry L. Messier
Henry L. Messier, Asst. Director
Bureau of Sanitation

HLM:vr
cc: Dr. Sutherland
Leonard Mushin
David Colfelt

File I-5385

April 15, 1963

Air Products & Chemical Inc.
23320 South Alameda Street
Long Beach, California

Original Signed

Gentlemen:

AIR PRODUCTS & CHEMICAL INC. (I-5385-20)

Enclosed is Industrial Waste Disposal Permit No. 3113 which sets requirements on the disposal of your industrial wastes to the Dominguez Channel, and to the sanitary sewer available to the site.

Improvements to Dominguez Channel are now under construction. The California State Regional Water Pollution Control Board No. 4 has adopted long range waste disposal and water quality objectives for the Dominguez Flood Control Channel. While the objectives do not specifically so state, we believe that it was the intent of the Regional Board that they be effective for the waters in the improved Channel rather than the present Channel. The principal difference between their objective from the conditions and limitations in outstanding waste disposal permits for discharge to Dominguez Channel is the requirement that at least 0.5 parts per million of dissolved oxygen be maintained in channel waters at all times.

It is probable that the conditions and limitations of outstanding waste disposal permits, issued by the County Engineer for discharges into Dominguez Channel, will have to be modified to insure conformance with these objectives. The principal

change would be a limitation on the amount of dissolved organic materials that may be discharged into the Channel. In this event, all permittees will be so notified and will be given the opportunity to review specific proposed revisions before such revisions are made effective.

Yours very truly,

John A. Lambie
COUNTY ENGINEER

Original Signed

John L. Partin
Acting Division Engineer
Industrial Waste Division

JLP-JCT:im-6

Enc:

cc: Los Angeles County Health Officer
Los Angeles County Flood Control Districts
Regional Water Pollution Control Board No. 4

bc: JWH, JCT, TTO, REG. 20
PER. ISSD-2, I-5385

INDUSTRIAL WASTE DISPOSAL PERMIT
COUNTY OF LOS ANGELES NO. 3113
DEPARTMENT OF COUNTY ENGINEER
INDUSTRIAL WASTE DIVISION

FILE NO. I-5185-20

Los Angeles, Calif. April 15, 1963

Permission is hereby granted, under Ordinance No. 6130,

to AIR PRODUCTS & CHEMICALS INC.

23320 SOUTH ALAMEDA STREET

LONG BEACH, CALIFORNIA

(Mailing Address)

to discharge or deposit waste or other materials from or upon the premises located at

23320 SOUTH ALAMEDA STREET, LONG BEACH, CALIFORNIA

Materials covered by this permit shall consist of

Cooling tower bleedoff and laboratory wastes

from the gas processing operations.

The above materials shall be disposed of in accordance with the special conditions and limitations attached hereto and the requirements of any other governmental agency having jurisdiction. These special conditions and limitations may be revised as needed to accomplish the purpose of ordinances regulating the disposal of waste materials.

Violation of any of the conditions and limitations of this permit or of the provisions of ordinances regulating the disposal of waste materials may be cause for the suspension or revocation of this permit. This permit is not transferable from one location to another.

Additional information regarding this permit may be obtained by contacting the Industrial Waste Division of the County Engineer's Office, Room 226, 108 West Second Street, Los Angeles 12, California, MA 9-4747, Extension 81385.

JOHN A. LAMBIE
COUNTY ENGINEER

By _____
Deputy

1-17-63

SPECIAL CONDITIONS AND LIMITATIONS
INDUSTRIAL WASTE DISPOSAL PERMIT NO. 3113
AIR PRODUCTS & CHEMICALS INC. (I-5385-20)

1. This permit is issued to Air Products & Chemicals Inc., for the disposal of wastes from the gas processing facilities located at 23320 South Alameda Street, Long Beach.

2. The cooling tower bleedoff shall be discharged into the Dominguez Channel.

3. The laboratory wastes shall be discharged into the sanitary sewer available to this site.

4. Waste water discharged into the Dominguez Channel shall not cause formation of objectionable deposits of sludge. In general, settleable solids shall not exceed 1.0 cubic centimeters per liter.

5. Waste water discharged into the Dominguez Channel shall not contain oil in excess of 75 ppm.

6. Waste water discharged into the Dominguez Channel shall not cause damage to private or public structures or property.

7. The pH of waste water discharged to the Dominguez Channel shall be maintained at not less than 6.5.

8. Waste water discharged into the Dominguez Channel shall not contain toxic wastes in concentration sufficient to endanger public health. The dissolved sulfides in the discharge shall not exceed 1.0 ppm.

9. Waste water discharged into the Dominguez Channel shall not cause or create odors to the extent that they are a public nuisance.

10. All liquid industrial waste and water soluble solid wastes produced at the above location and not acceptable for disposal to the Dominguez Channel or to the sanitary sewer as provided above, shall be stored in impervious containers pending transportation to a legal point of disposal. The permittee shall certify by signing waste hauler's reports the source, quantity and point of disposal for all such wastes removed from the premises for disposal at any other location. The signed original of this report shall be forwarded to the County Engineer as indicated thereon. A copy of the waste hauler's report form is attached.

11. Representatives of interested governmental agencies concerned with the disposal of industrial wastes shall be permitted access at any reasonable time to take samples and to inspect operations.

12. The County Engineer shall be notified and his written approval secured before making any additions or modifications which may affect the quantity, quality, or method of disposal of waste materials.

13. The County Engineer may modify this permit by addition, revision, or elimination of conditions and limitations as may be necessary to accomplish the purposes of ordinances covering the disposal of waste materials.

14. Violation of any of the conditions of this permit shall be cause for suspension or revocation.

JCT:lw-8

4/15/63

State of California
Resources Agency
LOS ANGELES REGIONAL WATER QUALITY CONTROL BOARD I-5385

RESOLUTION NO. 68-4

PRESCRIBING REQUIREMENTS FOR DISPOSAL OF INDUSTRIAL WASTES
AIR PRODUCTS AND CHEMICALS INC.
23320 South Alameda Street, vicinity of Dominguez,
Los Angeles County, California
(File 63-63)

WHEREAS, AIR PRODUCTS AND CHEMICALS INC. is discharging industrial wastes to Dominguez Channel under terms of an industrial waste permit issued by the County of Los Angeles; and

WHEREAS, such permit therefor has been submitted to this Board in accordance with established administrative procedures; and

WHEREAS, this material is accepted as a report on waste discharge; and

WHEREAS, this Board has caused the following investigations to be made:

1. Field investigations were conducted by the staff of this Board.

2. Review was made of this Regional Board's Water Quality Control Policy for Harbors, Marinas, and Tidal Prisms in Los Angeles and Ventura Counties, adopted on April 10, 1967.

3. Review was made of this Regional Board's Water Quality Control Policy for Pacific Ocean Coastal Waters, Rincon Point to San Gabriel River, adopted on April 10, 1967.

4. Review was made of the following publications dealing with Dominguez Channel:

   a. "Report on Biochemical Study of Dominguez Channel", A Report to the Los Angeles County Flood Control District by Kennedy Engineers, January 1960.

   b. "Report on Waste Assimilation Study of Dominguez Channel", A Report for the State Water Pollution Control Board, State of California, by James M. Montgomery, Consulting Engineers, Inc., December 1962.

   c. "Report on Hydrogen Sulfide Study of Dominguez Channel", A Report to Dominguez Channel Users' Group, by Montgomery Research Inc., December, 1965.

   d. "Dominguez Channel Study--A Chemical, Physical, and Biochemical Evaluation of the Wastes in a Man-Made Tidal Channel Used for Flood Control and Industrial Waste Disposal, June-December 1965", by Sanitation Districts of Los Angeles County, May 1966.

5. Meetings were held with governmental agencies and those industries discharging wastes into the channel; and

1. This existing waste discharge is from a cryogenic gas processing plant located at 23320 South Alameda Street in the Dominguez area of unincorporated Los Angeles County. Wastes consist of about 40,000 gallons per day of cooling tower bleedoff. The point of discharge to Dominguez Channel is about 2,200 feet easterly of Alameda Street in Section 22, T4S, R13W, S.B.B.&M.

2. Dominguez Channel, in the reach between 116th Street (in Hawthorne) and its end at Henry Ford Avenue (in Los Angeles), is an open, lined channel which was improved by the Los Angeles County Flood Control District for the purpose of flood control.

3. This improvement, which was completed in November 1966, created a tidal prism which extends from the Los Angeles Inner Harbor to Vermont Avenue--a distance of some eight miles.

4. Dry weather flow in the channel above Vermont Avenue amounts to about 1.6 million gallons per day (mgd); this dry weather flow is constituted of street drainage and industrial wastes (principally cooling waters). This flow does not have a significant effect upon the waters of the tidal prism.

5. Below Vermont Avenue, Dominguez Channel traverses a heavily industrialized area; in this reach, there are numerous discharges of treated industrial wastes to the channel.

6. Dominguez Channel empties into Consolidated Slip at Henry Ford Avenue; Consolidated Slip is the extreme upper end of the East Basin of Los Angeles Inner Harbor.

7. Dry weather flow in Dominguez Channel at Henry Ford Avenue is on the order of 13 mgd (excluding tidal flow).

8. In its Resolution No. 67-4 entitled: "Adopting Water Quality Control Policy for Harbors, Marinas, and Tidal Prisms of Los Angeles and Ventura Counties," adopted April 10, 1967, this Board states in part that the quality of the waters of Dominguez Channel must be such that a nuisance will not be caused and that the quality of the waters of the Los Angeles-Long Beach Inner Harbor will not be made lower than as set forth in the policy statement.

9. The Board enunciated no beneficial uses of the waters of Dominguez Channel; however the following beneficial uses of the Inner Harbor waters were enunciated for protection: a) Harborage purposes; b) Shipping, navigation, and anchoring; c) Small boat mooring;

d) Industrial water for cooling and fish handling; and e) Aesthetic enjoyment.

Waters of the Outer Harbor of Los Angeles-Long Beach Harbor are included in the Nearshore Zone of Pacific Ocean coastal waters which are protected for: a) Aesthetic enjoyment; b) Ocean water contact sport (swimming, surfing, skindiving); c) Propagation and sustenance of marine life, including kelp and shorebirds; d) Shellfish harvesting; e) Scientific research and training; f) Sport fishing; g) Bait fishing; h) Commercial fishing; i) Pleasure boating; j) Shipping and navigation; and k) Industrial water supply.

10. Outflow from Dominguez Channel has an effect upon the quality of water in the Inner Harbor which in turn has an effect upon the quality of water in the Outer Harbor.

11. Waste discharges into Dominguez Channel must be strictly controlled so that this Board's Water Quality Control Policy for the Dominguez Channel and for the Inner and Outer Harbors is maintained in order that the quality of water in those harbors is suitable for the beneficial uses enunciated above and so that creation of a nuisance is prevented within Dominguez Channel itself.

12. The discharge of wastes to Dominguez Channel is an economic use of the Channel and, insofar as it does not conflict with the beneficial uses enunciated above for protection, or create a nuisance, is in harmony with the Legislature's declared policy to achieve highest water quality consistent with maximum benefit to the people of the state.

13. Based on the December 1962 Montgomery report (referenced above), Dominguez Channel can assimilate a maximum loading of about 10,000 pounds per day, measured as chemical oxygen demand (COD), under conditions of complete dissolved oxygen depletion, based on the location-pattern of waste discharges existing in 1962. Changes which have taken place since that time have not altered this pattern significantly. The loading calculated for a minimum dissolved oxygen of 0.5 mg/l in the Channel is about 8,700 pounds per day, measured as COD.

14. Section 13054.2 of the California Water Code provides that a regional board need not authorize the utilization of the full waste assimilation capacity of a receiving water.

15. In order to ensure that this Board's objective of 0.5 mg/l of dissolved oxygen in the waters of Dominguez Channel will be met at all times, it is necessary to reserve a portion of this capacity to allow for peak discharge flows and loadings, to allow for additional future discharges to Dominguez Channel, and to compensate for other intermittent factors which result in depression of dissolved oxygen, but which cannot be defined precisely. It is deemed necessary to reserve about 20 percent

of the waste assimilation capacity of Dominguez Channel for this purpose.

16. Section 2163 of the California Administrative Code provides that, in formulating requirements for discharges to surface waters, a regional board may delimit a waste dispersion area in the immediate vicinity of a discharge to an extent which, in the board's judgment, will not compromise the beneficial uses and water quality objectives adopted by the board for the general area.

17. Maintenance of this Board's Water Quality Control Policy through strict control of waste discharges present will result in enhancement of water quality in Dominguez Channel and in the harbor.

18. Increased dissolved oxygen content in the waters of Dominguez Channel will result in the development of an indigenous flora and fauna. Control of nutrient content in discharges to the Channel is necessary to prevent proliferation of growth of these biota to the extent that algal blooms, floating mats, or "red tide" conditions occur.

19. This industrial plant lies within the West Coast Hydrologic Subarea, ground waters from which are extensively utilized for municipal, domestic, industrial, and irrigation purposes. The surface of the ground is in hydraulic continuity with water-bearing zones, and wastes discharged to the ground or to unlined ditches, or which are held in storage facilities which permit percolation, could affect these ground waters deleteriously.

20. All existing discharges to the Tidal Prism are located so that the waste waters enter the waters of the Channel at or near the top of the water surface. This and the relatively low density and warmer temperature of the wastes result in a stratification effect in which the wastes tend to override the more saline and cooler tidal flow in the Channel in a "sheet" varying in thickness up to about 5 feet; and

WHEREAS, on February 7, 1968, a letter transmitting a tentative draft of this Resolution was forwarded to the discharger and copies thereof submitted to interested persons and governmental agencies with advice that objections thereto would be considered by this Board if submitted in writing on or before February 20, 1968; and

WHEREAS, objections and recommendations received have been reviewed and considered by the Board;

NOW, THEREFORE, BE IT RESOLVED, that in order to prevent a condition of pollution of the waters of the State, and to prevent creation of a nuisance, this Regional Water Quality Control Board, in accordance with authority granted by Division 7 of the Water Code of the State of California, prescribes the following requirements with respect to this waste discharge, subject to

the provisions of Section 13054 of the Water Code, which reads in part that requirements may be revised from time to time:

1. Waste discharge operations shall be conducted in such a manner that conditions in the receiving waters of Dominguez Channel Tidal Prism, insofar as they are affected by other than natural forces, shall at all times be consistent with the objectives for these waters contained in "Water Quality Control Policy for Harbors, Marinas and Tidal Prisms in Los Angeles and Ventura Counties," adopted by this Regional Water Quality Control Board on April 10, 1967. This includes, but is not limited to, the following specific requirements:

   a. Wastes discharged shall at no time have a pH of less than 6.5 and shall not cause the pH of waters in the Channel to vary from the range 7.0 to 9.5, except in the immediate vicinity of the waste discharge.*

   b. The discharge of wastes shall not cause the average temperature of waters in the Channel to exceed 20 Fahrenheit degrees over the average ambient temperature of the Inner Harbor except within the immediate vicinity of the waste discharge. Average ambient temperature in the Inner Harbor for the purposes of this requirement shall be defined by the measurements at Los Angeles Harbor Monitoring Station No. 44 in Slip No. 5 in front of City of Los Angeles, Department of Water and Power Harbor Steam Station intake.

   c. Visible solids or other materials of waste origin shall not be present in waters in the Channel as a result of this waste discharge except in the immediate vicinity of the waste discharge.

   d. The discharge of wastes shall not cause the color of the waters of the Channel to be altered except in the immediate vicinity of the discharge.

   e. The discharge of wastes shall not cause visible oil, grease, fats, waxes, oily slicks, or foam in the waters of the Channel or on rocks, channel banks, or structures except in the immediate vicinity of the waste discharge.

   f. The discharge of wastes shall not cause the presence of nutrients in concentrations which will result in proliferation of plankton or other undesirable biotic growth.

   g. Wastes discharged shall not contain phenols, mercaptans or other substances in concentrations which will result in objectionable odors emanating from the waters of the Channel.

*For the purpose of these requirements, "immediate vicinity of the waste discharge" is defined as within a distance of 50 feet, both to left and right, from the point of discharge as measured along the longitudinal axis of the Channel.

h. Wastes discharged shall not contain settleable matter in excess of 1.0 ml per liter, and they shall not contain any other substance in concentrations which would cause the formation of sludge deposits in the Channel.

2. Wastes discharged during any calendar day shall not contain more than 30 pounds of chemical oxygen demand (COD).

3. The discharge of wastes to Dominguez Channel shall not cause conditions in the waters of the Los Angeles-Long Beach Inner Harbors and Outer Harbors, insofar as they may be affected by other than natural forces, to be contrary to the objectives for those waters as contained in the Water Quality Control Policy referenced above and in "Water Quality Control Policy for Pacific Ocean Coastal Waters, Rincon Point to San Gabriel River," adopted by this Regional Water Quality Control Board on April 10, 1967.

4. Wastes discharged to the ground, including unlined ditches and ponds, shall be of such quality that:

a. Concentrations of the following mineral constituents do not exceed the maximum limits specified:

Total dissolved solids	1,500 mg/l
Total hardness (as $CaCO_3$)	500 mg/l
Chloride	300 mg/l
Chloride plus sulfate	750 mg/l
Nitrate	50 mg/l

b. The pH of these wastes shall not be less than 6.0.

c. The wastes discharged shall contain no material capable of imparting tastes, odors, color, foaming, or other objectionable characteristics to underground waters.

d. The wastes discharged shall not contain substances in concentrations toxic to human, animal or plant life.

5. These requirements are for the disposal of industrial wastes only. Sanitary sewage, garbage, refuse, and similar materials shall be excluded from this waste discharge.

6. Any wastes which do not meet all of the foregoing requirements shall be stored in impervious containers, and if transferred elsewhere the final discharge shall be at a legal point of disposal; and

BE IT FURTHER RESOLVED, that the discharger is hereby notified that these requirements apply not only to waste material discharged on a routine basis through plant treatment and disposal facilities, but apply as well to material which may be carried to Dominguez Channel from this facility by storm runoff, plant washdown or other circumstances; and

BE IT FURTHER RESOLVED, that in accordance with Section 13055 of the Water Code, technical reports on the quality and quantity of wastes discharged shall be submitted to this Board in accordance with the specifications contained in Exhibit "A" of this Resolution, which specifications the Executive Officer of this Board is authorized to revise from time to time as may be warranted, such revisions being subject to review by this Board at its discretion or at the request of the discharger or any interested person or governmental agency; and

BE IT FURTHER RESOLVED, that the discharger be informed that it is the policy of this Board that waste disposal operations shall be such that flood control structures and appurtenances shall not be damaged; and

BE IT FURTHER RESOLVED, that in prescribing these requirements it is the intent of this Board to:

1. Preserve the quality of the receiving waters of Los Angeles-Long Beach Inner Harbor and Outer Harbor and the West Coast Hydrologic Subarea, insofar as they may be affected by this waste discharge, and protect them for all beneficial uses hereinbefore listed.

2. Prevent the creation of a nuisance as a result of this existing waste discharge; and

BE IT FURTHER RESOLVED, that the attention of the discharger be hereby directed to Section 13054.1 of the Water Code of the State of California which reads in part "Any person discharging sewage or industrial waste within any region, other than into a community sewer system, shall file with the regional board of that region a report of any material change or proposed change in the character, location, or volume of the discharge;" and

BE IT FURTHER RESOLVED, that the discharger be hereby directed to inform this Board of any change in ownership of the waste disposal facility; and

BE IT FURTHER RESOLVED, that the foregoing requirements do not authorize the commission of any act resulting in injury to the property of another; and

BE IT FURTHER RESOLVED, that the discharger be further advised that these requirements do not exempt the operator of this waste disposal facility from compliance with any other law which may be applicable. The requirements are not a permit; they do not legalize this waste disposal facility, and they leave unaffected any further restraints on the disposal of wastes at this site which may be contained in other statutes; and

BE IT FURTHER RESOLVED, that the Executive Officer of this Board be authorized, and he is hereby directed, to certify and submit copies of this resolution to the discharger, and to such individuals and governmental agencies as may have need therefor, or as may request same.

I, Raymond M. Hertel, Executive Officer of the Los Angeles Regional Water Quality Control Board, State of California, do hereby certify that the foregoing is a full, true, and correct copy of a resolution adopted by the Los Angeles Regional Water Quality Control Board at its meeting held on February 21, 1968, the original of which is retained in the files of the Board.

Raymond M. Hertel

RAYMOND M. HERTEL, Executive Officer

EXHIBIT "A"

Specifications for Technical Reports to be Submitted by

Air Products and Chemicals Inc.
(File 63-63)

A. Location of Sampling Stations

1. At each point where plant process effluent (including cooling water) is discharged to Dominguez Channel, an effluent sampling station shall be established so that representative samples of effluent can be obtained prior to discharge to the Channel.

2. Sampling stations for receiving water samples shall be located on cross-sections of the Channel at points 50 feet--as measured along the longitudinal axis of the Channel--from the centerline of the effluent stream for each point of discharge; these cross-sections shall be situated both to the left and right of the discharge.

   On these cross-sections, the sampling stations shall be located at ten feet from the edge of the channel. At each of these points on each cross-section, a sampling station shall be established at two feet below the water surface.

B. Type, Frequency and Techniques of Sampling and Analyzing

1. On at least one day each month, beginning in April, 1968, each of the effluent sampling stations above shall be occupied and the following determinations made:

   Ether solubles
   Settleable solids
   pH
   Phenolic compounds (as phenol)
   Suspended solids
   Chemical oxygen demand

   These determinations shall be made on a composite sample, according to flow, of hourly samples obtained during the period that the receiving water samples below are being obtained.

   The temperature of each hourly sample shall also be determined.

   In addition, for wastes which are discharged to the ground, conveyed to Dominguez Channel in unlined ditches, or held in storage facilities which permit percolation, the following determinations shall be made on a grab sample of those portions which could thus affect underlying ground water:

Total dissolved solids	Sulfate
Total hardness (as $CaCO_3$)	Nitrate
Chloride	pH

2. Once each calendar quarter, beginning in the second quarter of 1968, each of the receiving water stations above shall be occupied and the following determinations made:

   pH
   Dissolved oxygen
   Temperature

   The receiving water stations shall be occupied four times within one tidal cycle each sampling day during periods of waste discharge--once at high water slack, once at low water slack, once on the flood tide midway between low water slack and high water slack, and once on the ebb tide midway between high water slack and low water slack.

3. In addition to the above determinations the following shall be noted at the time of the monthly effluent sampling and at the time of the quarterly receiving water sampling:

   Tide stage
   Direction and estimated force of current
   General weather conditions during monitoring
   For the area outside the immediate vicinity of the discharge point:

   Color of water in Channel and appearance and extent of any visual turbidity or color patches.
   Appearance and extent of any visible solids or other materials of waste origin.
   Appearance and extent of any visible oil and grease, fats or waxes, or foam in the water or at the water's edge.
   Description of odor of Channel water.
   Appearance and extent of any deposits of sludge or other detritus in the water or on Channel banks.
   Appearance and amount of any observed plant or animal growth on banks or substrate or in the water.

4. All samples shall be taken and all analyses shall be performed in accordance with the latest edition of "Standard Methods for the Examination of Water and Wastewater", published by the American Public Health Association, Inc., except that for specific analyses newer techniques may be used if in the judgment of the Executive Officer the results obtained are consistent with the objectives of these waste discharge requirements.

5. Receiving water monitoring shall not be accomplished during or immediately subsequent to periods of storms. Receiving water monitoring shall be done preferably at times other than those when storm runoff is in the Channel.

C. Filing of Reports

1. Three copies of written report of the results of the monitoring program shall be furnished to the Board within 30 days following the sampling.

2. The written report shall contain the following information:

   a. Dates and times of sampling;

   b. Approximate volume of wastes discharged on the date of sampling in gallons per day;

   c. Tabulated results of specified analyses and physical observations;

   d. Record of all wastes hauled during the reporting period, including types of wastes, volumes, dates of hauling, and ultimate point of disposal.

   Format for these reports and sampling station identification will be provided by the Board.

3. These records and reports are public documents and shall be made available for inspection during business hours at the office of the Los Angeles Regional Water Quality Control Board.

I-5385

File

INSPECTOR'S REPORT

TO: J. KNIGHT

FROM: H.S.S.

FILE: AIR PROD. & CHEMS. INC. (I5385-20)
23320 So. ALAMEDA ST. Do

I.N.P. 3113

DATE: 12-12-63

REPORT: I CONTACTED MR. DON REAMER PROCESS SUPT. - HE STATES THEY ARE ENGAGED IN MFG. LIQUID HYDROGEN - FEED STOCK, FORMERLY A WASTE GAS FROM RICHFIELD REFINERY, CONTAINS 80 TO 90% HYDROGEN WITH OTHER GASES. THIS IS FIRST PASSED THROUGH A LIGHT OIL, STRIPPING BENZINE & AROMATICS (NO WASTE). HYDROGEN GAS IS PRESSURIZED TO 1500 PSI LIQUIFIED & THEN HAULED TO GOVT MISSILE PROGAMS. BENZINES & AROMATICS PASS THROUGH A CAUSTIC STRIPPER, CREATING A SODIUM CARBONATE WASTE TO CHANNEL WHICH IS VERY LITTLE & THE COOLING TOWER BLEED OFF, APPROX 206 P.M. GOES TO CHANNEL. DOMESTIC WASTE GOES TO SEPTIC TANK & THEN TO SEEPAGE PITS. A PH TAKEN OF DISC. TO CHANNEL WAS PH 6.5 AT THIS TIME.

Note - Item 3 of I.W.P. Must be changed to fit the fact. It says 126. WASTE shall go to Sanitary Sewer which usually means L.A. County sewer. This goes to septic tank & leach system instead. As outlined in letter of intent from Company.

This can be changed when Channel improvement has been completed & All permits covering such discharge are changed. I have discussed this with Jack Edwards.

JHS

I-5315

INSPECTOR'S REPORT

TO: J. KNIGHT

FROM: E. MOORE

I-5315-2

FILE: AIR PRODUCTS & CHEMICAL INC. 3113
23320 S. ALAMEDA ST.

DATE: 1-29-65

REPORT:

INSPECTION MADE AT ABOVE COMPANY. PERSON CONTACTED WAS MR SNYDER, PLANT SUPERVISOR.

APPROX 25 GPM COOLING WATER AND BOILER BLOWDOWN GOES TO DOMINGUEZ CHANNEL. STORM WATER ALSO GOES TO THE CHANNEL VIA SEVERAL DRAINS LOCATED IN THE YARD.

LAB WASTES GO TO THE SEPTIC TANK ALONG WITH DOMESTIC WASTE. WASTE WATER FROM LAB CONSISTS OF WASHING OF LAB TOOLS.

ALL ITEMS OF PERMIT IN COMPLIANCE.

JK

I-5385

INSPECTOR'S REPORT

TO: J. KNIGHT

FROM: E. MOORE

FILE: AIR PRODUCTS & CHEM.
23320 S. ALAMEDA ST.

DATE: 1-18-66

REPORT:

INSPECTION MADE AT ABOVE COMPANY. PERSON CONTACTED WAS MR. STANG, ACTING IN PLACE OF MR. REAMER.

A SAMPLE WAS TAKEN OF THE DISCHARGE TO DOMINGUEZ CHANNEL. MR. STANG SAID THAT APPROX. 99% OF THIS WATER COMES FROM THEIR COOLING TOWER. THE OTHER 1% IS YARD WASHDOWN. THIS SAMPLE WILL BE CHECKED FOR SETTLEABLE SOLIDS.

THERE WAS NO EVIDENCE OF CHEMICAL SPILLAGE AT TIME OF INSPECTION.

I TOLD MR STANG THAT SOMETIMES THE DISCHARGE IS A MILKEY WHITE. HE SAID THAT IT WAS NECESSARY TO ADD A COMPOUND TO THE TOWER TO CLEAN IT, AND THE ~~DISCHARGE~~ COMPOUND CHANGED THE COLOR TO WHITE.

JRK

cc: Mr. Hanson

761501 - 15 - CE 658 - Gib 2-58

I-5385

INSPECTOR'S REPORT

TO: J. KNIGHT

FROM: E. MOORE

FILE: AIR PRODUCTS & CHEM. 23320 S. ALAMEDA ST.

I-5385-2
P-3113

DATE: 1-21-66

REPORT: INSPECTION WAS MADE AT ABOVE COMPANY, PERSON CONTACTED WAS MR. ANDERSON & MR STANG.

THE FOLLOWING ITEMS OF THE INDUSTRIAL WASTE PERMIT WERE INSPECTED.

ITEM #2, 4, 5, 7 ~ COOLING TOWER BLEEDOFF IS DISCHARGED TO DOMINGUEZ CHANNEL. THIS DISCHARGE CONSTITUTES APPROX. 99% OF THE WASTE COMGING FROM THE PLANT. THE OTHER 1% IS FROM YARD WASHDOWN. A SAMPLE OF THIS WASTE WAS TAKEN AND A STANDARD ANALYSIS WILL BE MADE. AT TIMES THIS WATER HAS A MILKY COLOR TO IT. THIS WAS EXPLAINED TO ME THAT THIS IS DUE TO A COMPOUND THAT IS ADDED TO THE COOLING TOWER WATER TO CLEAN IT. THE PH OF THIS WATER WAS 7

ITEM #3 ~ LABORATORY WASTE GOES TO A CEPTIC TANK. THIS WASTE IS FROM TOOL AND LABORATORY UTINSIL WASHING. THIS WASHING IN DONE IN A KITCHEN TYPE SINK.

ITEM #8 ~ SULFIDE READING WAS 0.0

ITEM #9 ~ NO OBJECTIONAL ODERS COULD BE DETECTED.

ITEM #10 ~ NO INDUSTRIAL WASTE IS HAULED FRIM THE PLANT.

I-5385

INSPECTOR'S REPORT

TO: J.R. Knight

FROM: LeRoy Davis

FILE: Air Prod. & Chems. Inc
23320 S. Alameda St.

I-5385-2
IWP-3113

DATE: 7-20-66

REPORT: Made routine inspection at above address.

Person contacted was S. Roberts—plant engr. (835-0106)

No I.W. hauled since last insp.

No new spillage of I.W. on ground. I.W. was at one time dumped on ground in small quantities, most of it near Dominguez channel. All I.W. is now disposed of in a legal manner

No violation of I.W.P. observed.

QPK

INSPECTOR'S REPORT

I-5385
IWP-313

TO: J.R. Knight

FROM: LeRoy Davis

FILE: Air Prod. & Chems. Inc.
23320 S. Alameda St

DATE: 10-7-66

REPORT: On 10-6-66 at 1:30 P.M. checked sulfides at above industries outfall into Dominguez Channel

Found undissolved sulfides of 3 P.P.M. and dissolved sulfides of 0.2 P.P.M. There was a steady streak of iridescence on top of effluent to channel.

On 10-7-66 contacted Dudley Anderson - in charge of lab. (Mr. Stange was absent)

Mr. Anderson stated that the effluent to Dominguez Channel had not been monitored for a very long time, but would be checked at least once a day, in the future. JRK

I stated that any rise in sulfides to channel would necessitate the aeriateing of effluent, or other treatment to remove sulfides.

Mr. Anderson further stated that iridesence of effluent would be eliminated in the future.

I-5385

INSPECTOR'S REPORT

I-5385-2
IWP-3113

TO: U. R. Knight

FROM: LeRoy Davis

FILE: Air Prod. & Chemicals Inc.
23320 S. Alameda St

DATE: 10-13-66

REPORT: Made routine inspection and sulfide check of effluent going to Dominguez Channel from Air Prod. & Chem.

Found undissolved sulfides of 3.2 and dissolved sulfides of 1.2

Contacted D. W. Reimer, plant manager about sulfides.

Mr. Reimer stated that he had ordered a "Pomeroy" bit in order to trace origin of sulfides, but in the meantime he would dump cooling tower water when it gets up to a dissolved solids content of 240 p.p.m. instead of 480 p.p.m. as has been the practice in the past. This will accomplish the effect of lowering sulfide content will check sulfides on 10-14-66.

QRK

10-14-66 Made sulfide check in Dominguez Channel, of Air Prod. effluent. No trace of sulfides

INSPECTOR'S REPORT

TO: J. R. Knight

FROM: LeRoy Davis

I-5385-2
IWP-3113

FILE: Air Prod. & Chemicals Inc.
23320 S. Alameda St.

DATE: 11-10-66

REPORT: Make routine inspection of effluent going to Dominguez Channel from Air Prod. & Chemicals.

Found undissolved sulfides of 2.1 and dissolved sulfides of 1 p.p.m.

Contacted D.W. Reimen, acting plant manager.

Mr Reimen stated that they had just received their Pomeroy Kit and tracing origin of sulfides in the plant had just begun.

A neutralizing agent would be used, and sulfides in the water should be in low levels, or non-existant by next channel inspection on 11-19-66.

Corrected 11-17-66

JRK

I-5385

Phone: 775-3131

INSPECTOR'S REPORT

TO: E. L. Thompson

FROM: LeRoy Davis

FILE: Air Prod & Chemicals Inc
23320 S. Alameda

DATE: 6-15-67

I-5385-2
IWP-3113

REPORT: While making routine inspection of effluent going to Dominguez channel, found heavy iridescence from Air Prod. & Chemicals.

Contacted Mr. Thompson Sr. Plant manager and R. Morgan - regional service engineer. Showed Mr. Thompson and Mr. Morgan heavy iridescence to channel.

Mr. Thompson promised immediate connection. Will check Fri. 6-16-67 to see if condition has been corrected.

6-16-67 No iridescence to channel from above company's effluent. Condition connected.

LRK.

Air Products and Chemicals
INC.
ALLENTOWN, PENNSYLVANIA

MAIL ADDRESS
23320 SOUTH ALAMEDA STREET
LONG BEACH, CALIFORNIA 90810

TELEPHONE
830-5200
TWX
910 345-6387

REGIONAL WATER QUALITY CONTROL BOARD NO. 4
LOS ANGELES
MAR 7 1968

I-5385-2

March 6, 1968

Regional Water Quality Control Board
205 South Broadway, Suite 408
Los Angeles, California 90012

R. M. HERTEL
MAR 7 1968

ATTN: Mr. Raymond Hertel

Gentlemen :

This letter is submitted in response to your notice of February 7, 1968 concerning tentative requirements for the discharge of industrial wastes to Dominguez Channel.

The Air Products & Chemicals liquid hydrogen plant, 23320 So. Alameda, was shut down December, 1967 and no longer will discharge wastes to the Dominguez Channel except for normal wash down of slab areas and run off during rains.

In the future, if this facility should resume normal operations, we will notify immediately.

Very truly yours,

AIR PRODUCTS & CHEMICALS, INC.

J W Fletcher

James W. Fletcher
Assistant Plant Manager

JWF:lsk

RICHARD A. HARRIS
MAR 7 1968

CDS
KH, TTO

I-5385

STATE OF CALIFORNIA—RESOURCES AGENCY

RONALD REAGAN, Governor

LOS ANGELES REGIONAL WATER QUALITY CONTROL BOARD

205 SOUTH BROADWAY, SUITE 408
LOS ANGELES, CALIFORNIA 90012

March 13, 1968

I-5385-22

Air Products and Chemicals, Inc.
23320 South Alameda Street
Long Beach, California 90810

ATTENTION: Mr. James W. Fletcher
Assistant Plant Manager

RE: Requirements for Disposal of Industrial Wastes (File 63-63)

Gentlemen:

Thank you for your letter dated March 6, 1968, which notified us that your plant at the above address has been shut down and that there is no longer any discharge of industrial wastes to Dominguez Channel from this facility.

We are closing our file on this case and it will not be necessary for you to conduct the monitoring program called for in Resolution No. 68-4, adopted by this Regional Board on February 21, 1968.

If at some time in the future you resume operations at this facility, it will be necessary for you to comply with the requirements of Resolution No. 68-4. Please notify this Board if you do reopen the plant and before you again start discharging industrial wastes to Dominguez Channel. Your continued cooperation is greatly appreciated.

Very truly yours,

Raymond M. Hertel

RAYMOND M. HERTEL
Executive Officer

RAH:kt

cc: Los Angeles County Engineer, Industrial Waste Division
Department of Water Resources
Bureau of Sanitary Engineering
Department of Fish and Game
Los Angeles County Flood Control District
Los Angeles County Health Department

RECEIVED
Department of County Engineer
INDUSTRIAL WASTE DIVISION
MAR 14 1968
Ref. to .....
Per .....

sent E L T Copies
2-27-68

CDS

Lab. Copy ..... WHITE
I File Copy ..... CANARY
Field Copy ..... PINK

COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
INDUSTRIAL WASTE DIVISION

CHEMICAL ANALYSIS

Analysis requested by Milo Dobes *Job No.* _____

Sample of Effluent to Dominguez Channel from Air Prod. & Chemicals Inc. 23220 S. Alameda *file:* I-5385-2

Source of suspected contaminants, i.e., character of industrial process, etc.

Sample marked 2076 *collected by* L. Davis

Quantity 1 quart *Date* 2-14-72 *Time of day* 9:17 AM

	PARTS PER MILLION		PARTS PER MILLION
Calcium		Hydroxide	
Magnesium		Carbonate	
Potassium		Bicarbonate	
Sodium		Chloride	
Iron		Sulfate	
Manganese		Nitrate	
Aluminum		Sulfide	0 ±
Boron		Fluoride	
Chromium, hexavalent X	3.6	Phosphate	
Silica		Cyanide	
Total Cations		Total Anions	
		Total Ions (calculated dissolved solids)	
pH	8	Dissolved Oxygen	
Hardness (as $CaCO_3$)		Biochemical Oxygen Demand	
Alkalinity (as $CaCO_3$)		Dissolved Solids	
Carbon Dioxide (Calc.)		Suspended Solids	
Phenols		Total Solids	
Oil & Grease		Turbidity	
Non-Carbonate Hardness		Sodium Ratio	
Conductance, micrombos		A B S	
		Total Iron	
		Total Manganese	

Remarks or special analyses C.O.D. only = 69 ppm

Received at laboratory 2-14-72 *Laboratory No.* 24430

Analysis by CF *Date* 2-14-72

76C211F--CE 644--REV.--12/64 (P)5

Lab. Copy ..... WHITE
I File Copy ..... CANARY
Field Copy ..... PINK

COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
INDUSTRIAL WASTE DIVISION

CHEMICAL ANALYSIS

Analysis requested by Milo Dobes *Job No.* _____

Sample of Effluent into Dominguez channel from Air Pod. & Chemicals Inc 23320 S. Alameda *file:* 5385-2

Source of suspected contaminants, i.e., character of industrial process, etc.

Sample marked AP-134 *collected by* A Davis

Quantity 1 quart *Date* 4-12-71 *Time of day* 9:35

	PARTS PER MILLION		PARTS PER MILLION
Calcium		Hydroxide	
Magnesium		Carbonate	
Potassium		Bicarbonate	
Sodium		Chloride	
Iron		Sulfate	
Manganese		Nitrate	
Aluminum		Sulfide	0
Boron		Fluoride	
Chromium, hexavalent		Phosphate	
Silica		Cyanide	
Total Cations		Total Anions	
		Total Ions (calculated dissolved solids)	

pH		Dissolved Oxygen	
Hardness (as $CaCO_3$)		Biochemical Oxygen Demand	
Alkalinity (as $CaCO_3$)		Dissolved Solids	
Carbon Dioxide (Calc.)		Suspended Solids	
Phenols		Total Solids	
Oil & Grease		Turbidity	
Non-Carbonate Hardness		Sodium Ratio	
Conductance, micromhos		A B S	
		Total Iron	
		Total Manganese	

Remarks or special analyses C.O.D. only

COD = 8 ppm

Received at laboratory 4 12 71 *Laboratory No.* 23301

Analysis by P *Date* 4-12-71

76C211F--CE 644--REV.--12/64 Ps

Lab. Copy ..... WHITE
I File Copy ..... CANARY
Field Copy ..... PINK

COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
INDUSTRIAL WASTE DIVISION

CHEMICAL ANALYSIS

Analysis requested by Milo Dobes *Job No.* _____

Sample of Effluent into Dominguez channel from Air Prod. & Chemicals Inc. 23320 S. Alameda *file:* 5385-2

Source of suspected contaminants, i.e., character of industrial process, etc.

Sample marked AP-134 *collected by* J. Davis

Quantity 1 quart *Date* 4-12-71 *Time of day* 9:35

	PARTS PER MILLION		PARTS PER MILLION
Calcium		Hydroxide	
Magnesium		Carbonate	
Potassium		Bicarbonate	
Sodium		Chloride	
Iron		Sulfate	
Manganese		Nitrate	
Aluminum		Sulfide	0
Boron		Fluoride	
Chromium, hexavalent		Phosphate	
Silica		Cyanide	
Total Cations		Total Anions	
		Total Ions (calculated dissolved solids)	

pH		Dissolved Oxygen	
Hardness (as $CaCO_3$)		Biochemical Oxygen Demand	
Alkalinity (as $CaCO_3$)		Dissolved Solids	
Carbon Dioxide (Calc.)		Suspended Solids	
Phenols		Total Solids	
Oil & Grease		Turbidity	
Non-Carbonate Hardness		Sodium Ratio	
Conductance, micrombos		A B S	
		Total Iron	
		Total Manganese	

Remarks or special analyses C.O.D. only / COD = 8 ppm

Received at laboratory 4 12 71 *Laboratory No.* 23801

Analysis by P *Date* 4-12-71

76C211F--CE 644--REV.--12/64 (P)s

Lab. Copy ..... WHITE
I File Copy ..... CANARY
Field Copy ..... PINK

COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
INDUSTRIAL WASTE DIVISION

...ANALYSIS

Analysis requested by Milo Dobes *Job No.* _____

Sample of Effluent to Dominguez Channel from Air Products & Chemicals Inc 23320 S. Alameda *file:* I-5385-2

Source of suspected contaminants, i.e., character of industrial process, etc.

Sample marked ~~AP-179~~ AP-179 *collected by* L. Davis

Quantity ~~850~~ 1 gral *Date* 5-13-71 *Time of day* 8:50 AM

	PARTS PER MILLION		PARTS PER MILLION
Calcium		Hydroxide	
Magnesium		Carbonate	
Potassium		Bicarbonate	
Sodium		Chloride	
Iron		Sulfate	
Manganese		Nitrate	
Aluminum		Sulfide	0.0
Boron		Fluoride	
Chromium, hexavalent		Phosphate	
Silica		Cyanide	
Total Cations		Total Anions	
		Total Ions (calculated dissolved solids)	

pH		Dissolved Oxygen	
Hardness (as $CaCO_3$)		Biochemical Oxygen Demand	
Alkalinity (as $CaCO_3$)		Dissolved Solids	
Carbon Dioxide (Calc.)		Suspended Solids	
Phenols		Total Solids	
Oil & Grease		Turbidity	
Non-Carbonate Hardness		Sodium Ratio	
Conductance, micrombos		A B S	
		Total Iron	
		Total Manganese	

Remarks or special analyses C.O.D only COD = 27 ppm

Received at laboratory 5-13-71 *Laboratory No.* 23876

Analysis by CP *Date* 5-13-71

76C211F--CE 644--REV.--12/64 Ps

Lab. Copy ..... WHITE
I File Copy ..... CANARY
Field Copy ..... PINK

COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
INDUSTRIAL WASTE DIVISION

CHEMICAL ANALYSIS

Analysis requested by Milo Dobes *Job No.* _____

Sample of Effluent to Dominguez Channel from Air Prod. & Chem. Inc. 23220 S. Alameda *file:* I-5385-2

Source of suspected contaminants, i.e., character of industrial process, etc.

Sample marked AP-201 *collected by* L Davis

Quantity 1 quart *Date* 6-14-71 *Time of day* 9:23 AM

	PARTS PER MILLION		PARTS PER MILLION
Calcium		Hydroxide	
Magnesium		Carbonate	
Potassium		Bicarbonate	
Sodium		Chloride	
Iron		Sulfate	
Manganese		Nitrate	
Aluminum		Sulfide	0
Boron		Fluoride	
Chromium, hexavalent		Phosphate	
Silica		Cyanide	
Total Cations		Total Anions	
		Total Ions (calculated dissolved solids)	
pH		Dissolved Oxygen	
Hardness (as $CaCO_3$)		Biochemical Oxygen Demand	
Alkalinity (as $CaCO_3$)		Dissolved Solids	
Carbon Dioxide (Calc.)		Suspended Solids	
Phenols		Total Solids	
Oil & Grease		Turbidity	
Non-Carbonate Hardness		Sodium Ratio	
Conductance, micrombos		A B S	
		Total Iron	
		Total Manganese	

Remarks or special analyses C.O.D. 0.01/1 = 38 ppm

Received at laboratory 6-14-71 *Laboratory No.* 23943

Analysis by CF *Date* 6-14-71

76C211F--CE 644--REV.--12/64 (P)5

COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
PROJECT PLANNING AND POLLUTION CONTROL DIVISION

NOTICE

TO John Sammartino DATE 7/15/71

FIRM NAME Air Products & Chemicals, Inc. I.W.PERMIT NO. 3113
I-5385-22

LOCATION 23320 S. Alameda, Carson.

REMARKS: Your use of one pass cooling water (3 hose running full) is in violation of Ord 6130 & your permit. This water which is now being discharged to Dominguez Channel must be recirculated and discharged legally & in conformity with your permit. Plans for such discharge must be submitted by 8/15/71.

Please telephone this office for return inspection.

Installation of proper equipment to be made within 30 days after this department's acceptance of the plans.

Continuing discharges after that date which do not conform to legal permit requirements are subject to penalty!

cf 8

John A. Lambie
COUNTY ENGINEER

Jack K. Bryant
Division Engineer

By Harry Ruben, Insp. Waste Eng Insp
326 3630
[illegible] Rchd. Lomita [illegible] 7-

7-19-71

For some unknown reason Harry got confused on this. He is going to contact Sammartino & cancell this notice & the request for plans.

MJD.

Lab. Copy ..... WHITE
I File Copy ..... CANARY
Field Copy ..... PINK

COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
INDUSTRIAL WASTE DIVISION

CHEMICAL ANALYSIS

Analysis requested by Milo Dabes *Job No.* _____

Sample of Effluent to Dominguez Channel from Air Prod. & Chem. Inc. 23220 S. Alameda *file:* I-5385-2

Source of suspected contaminants, i.e., character of industrial process, etc.

Sample marked AP-234 *collected by* L Davis

Quantity 1 quart *Date* 9-20-71 *Time of day* 9:27 AM.

	PARTS PER MILLION		PARTS PER MILLION
Calcium		Hydroxide	
Magnesium		Carbonate	
Potassium		Bicarbonate	
Sodium		Chloride	
Iron		Sulfate	
Manganese		Nitrate	
Aluminum		Sulfide	0.2
Boron		Fluoride	
Chromium, hexavalent		Phosphate	
Silica		Cyanide	
Total Cations		Total Anions	
		Total Ions (calculated dissolved solids)	
pH	7.5	Dissolved Oxygen	
Hardness (as $CaCO_3$)		Biochemical Oxygen Demand	
Alkalinity (as $CaCO_3$)		Dissolved Solids	
Carbon Dioxide (Calc.)		Suspended Solids	
Phenols		Total Solids	
Oil & Grease		Turbidity	
Non-Carbonate Hardness		Sodium Ratio	
Conductance, micrombos		A B S	
		Total Iron	
		Total Manganese	

Remarks or special analyses C.O.D. on 1/1 = 12 ppm

Received at laboratory 9 20 71 *Laboratory No.* 24138

Analysis by CP *Date* 9-20-71

76C211F--CE 644--REV.--12/64 (P)5

Lab. Copy ..... WHITE
I File Copy ..... CANARY
Field Copy ..... PINK

COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
INDUSTRIAL WASTE DIVISION

CHEMICAL ANALYSIS

Analysis requested by Milo Dobes *Job No.* _____

Sample of Effluent to Dominguez Chemic/ from Air Prod & Chem. Inc. 23220 S. Alameda *file:* I-5385-2

Source of suspected contaminants, i.e., character of industrial process, etc.

Sample marked AP-260 *collected by* K. Davis

Quantity 1 quart *Date* 10-20-71 *Time of day* 8:32 AM

	PARTS PER MILLION		PARTS PER MILLION
Calcium		Hydroxide	
Magnesium		Carbonate	
Potassium		Bicarbonate	
Sodium		Chloride	
Iron		Sulfate	
Manganese		Nitrate	
Aluminum		Sulfide	0.0
Boron		Fluoride	
Chromium, hexavalent		Phosphate	
Silica		Cyanide	
Total Cations		Total Anions	
		Total Ions (calculated dissolved solids)	
pH		Dissolved Oxygen	
Hardness (as $CaCO_3$)		Biochemical Oxygen Demand	
Alkalinity (as $CaCO_3$)		Dissolved Solids	
Carbon Dioxide (Calc.)		Suspended Solids	
Phenols		Total Solids	
Oil & Grease		Turbidity	
Non-Carbonate Hardness		Sodium Ratio	
Conductance, micrombos		A B S	
		Total Iron	
		Total Manganese	

Remarks or special analyses C.O.D. only = 22. ppm

Received at laboratory 10-20-71 *Laboratory No.* 24199

Analysis by CP *Date* 10-20-71

76C211F--CE 644--REV.--12/64 Ⓟ₂

Lab. Copy ..... WHITE
I File Copy ..... CANARY
Field Copy ..... PINK

COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
INDUSTRIAL WASTE DIVISION

CHEMICAL ANALYSIS

Analysis requested by Milo Dobos *Job No.* _____

Sample of Effluent to Dominguez Channel from Air Prod & Chem. 23220 S. Alameda *file:* I-5385-2

Source of suspected contaminants, i.e., character of industrial process, etc.

Sample marked AP-310 *collected by* L. Davis

Quantity 1 gallon *Date* 1-19-72 *Time of day* 8:17

	PARTS PER MILLION		PARTS PER MILLION
Calcium		Hydroxide	
Magnesium		Carbonate	
Potassium		Bicarbonate	
Sodium		Chloride	
Iron		Sulfate	
Manganese		Nitrate	
Aluminum		Sulfide	0.0
Boron		Fluoride	
Chromium, hexavalent	3.0	Phosphate	
Silica		Cyanide	
Total Cations		Total Anions	
		Total Ions (calculated dissolved solids)	
pH	11	Dissolved Oxygen	
Hardness (as $CaCO_3$)		Biochemical Oxygen Demand	
Alkalinity (as $CaCO_3$)		Dissolved Solids	
Carbon Dioxide (Calc.)		Suspended Solids	
Phenols		Total Solids	
Oil & Grease		Turbidity	
Non-Carbonate Hardness		Sodium Ratio	
Conductance, micrombos		A B S	
		Total Iron	
		Total Manganese	

Remarks or special analyses C.O.D. only = 48 ppm

Received at laboratory 1-19-72 *Laboratory No.* 24363

Analysis by CP *Date* 1-19-72

76C211F--CE 644--REV.--12/64 (P)5

STATE OF CALIFORNIA—RESOURCES AGENCY

RONALD REAGAN, Governor

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD—
LOS ANGELES REGION

107 SOUTH BROADWAY, SUITE 9026
LOS ANGELES, CALIFORNIA 90012

RECEIVED
Project Planning And
Pollution Control Div.
Department of County Engineer
JAN 20 1972

Ref. to_____

Per_____

January 19, 1972

I-5385-VV
P-3113

Air Products and Chemicals, Inc.
23320 South Alameda Street
Long Beach, California 90810

Re: Proposed Operation of Facility at 23320 South Alameda Street, Long Beach
(File 63-63)

Gentlemen:

Thank you for your letter of December 7, 1971, notifying us of your intent to resume operations at the subject facility and to conform to this Board's Resolution No. 68-4, prescribing waste discharge requirements.

Those requirements, adopted in 1968, were for the disposal of about 40,000 gallons per day of cooling tower bleedoff. Please inform us whether this fairly describes the proposed operation. If there will be any material change in the character, location, or volume of the discharge, it will be necessary for you to file a new report of waste discharge with the Board.

The discharge of sewage to the channel is explicitly prohibited by Requirement 5 on page 7 of Resolution No. 68-4. Please inform us of the method proposed for disposal of sewage and of industrial wastes other than cooling tower bleedoff, if any, from your facility. Also indicate the approximate date of plant startup.

Your reply is requested by February 2, 1972. Meanwhile if there are any questions, feel free to contact us.

Very truly yours,

RAYMOND M. HERTEL
Executive Officer

cc: Los Angeles County Engineer, Project Planning & Pollution Control Division

Lab. Copy ..... WHITE
I File Copy ..... CANARY
Field Copy ..... PINK

COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
INDUSTRIAL WASTE DIVISION

CHEMICAL ANALYSIS

Analysis requested by M/O Dobbs *Job No.* _____

Sample of Effluent to Dominguez Channel from Air Prod & Chem. Inc. 23320 S. Alameda *file:* I-5385

Source of suspected contaminants, i.e., character of industrial process, etc.

Sample marked 2087 *collected by* L. Davis

Quantity 1 Quart *Date* 3-15-72 *Time of day* 9:15 AM

	PARTS PER MILLION		PARTS PER MILLION
Calcium		Hydroxide	
Magnesium		Carbonate	
Potassium		Bicarbonate	
Sodium		Chloride	
Iron		Sulfate	
Manganese		Nitrate	
Aluminum		Sulfide	0.2
Boron		Fluoride	
Chromium, hexavalent		Phosphate	
Silica		Cyanide	
Total Cations		Total Anions	
		Total Ions (calculated dissolved solids)	
pH	12	Dissolved Oxygen	
Hardness (as $CaCO_3$)		Biochemical Oxygen Demand	
Alkalinity (as $CaCO_3$)		Dissolved Solids	
Carbon Dioxide (Calc.)		Suspended Solids	
Phenols		Total Solids	
Oil & Grease		Turbidity	
Non-Carbonate Hardness		Sodium Ratio	
Conductance, micrombos		A B S	
		Total Iron	
		Total Manganese	

Remarks or special analyses C.O.D. only = 58 ppm

Received at laboratory 3-15-72 *Laboratory No.* 24501

Analysis by CF *Date* 3-15-72

76C211F--CE 644--REV.--12/64 P5

GM——— Is this under our jurisdiction? — yes.

I5385-22

STATE OF CALIFORNIA—RESOURCES AGENCY

RONALD REAGAN, Governor

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD—
LOS ANGELES REGION

107 SOUTH BROADWAY, SUITE 9026
LOS ANGELES, CALIFORNIA 90012

May 24, 1972

Air Products & Chemicals, Inc.
23320 South Alameda Street
Long Beach, California 90810

ATTENTION: Mr. Norwin Schoenerr, Plant Manager

RE: Disposal of Industrial Wastes (CI 5422)

Gentlemen:

Reference is made to Resolution No. 68-4, adopted by this Board on February 21, 1968, which prescribes requirements for the disposal of wastes by your company to Dominguez Channel.

Requirement 1h provides in part that wastes discharged shall not contain any substance in concentrations which would cause the formation of sludge deposits in the Channel.

An inspection of your facilities by this Board's staff with your Mr. Schoenherr on May 11, 1972, disclosed sludge deposits in the Channel at your waste discharge point.

It is requested that you take immediate action to clean up these deposits, to bring the disposal of wastes into compliance with this Board's requirement, to prevent similar occurrences in the future, and to assure that all requirements are complied with at all times.

It is further requested that you provide a written report to this Board by June 8, 1972, of the corrective and preventive measures taken, together with a time schedule of their implementation, and the date the cleanup was completed.

If you have any questions about this matter please contact Mr. Miller Chambers at (213) 620-4460. Your cooperation in water pollution control is appreciated.

Very truly yours,

Raymond M. Hertel

RAYMOND M. HERTEL
Executive Officer

cc: ✓ Los Angeles County Engineer

A.2

Copies to RWQCB & Flood Control

COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
INDUSTRIAL WASTE DIVISION

INSPECTOR'S REPORT

TO: Ed Thompson DATE: 6/7/72

FROM: Don A Tallmon FILE: Air Products & Chem. I-5385-22

REPORT:

A follow Up Inspection Was made Today at the above Location. This Was in regard To a Connection from one of the State Boards Field Inspection. This information Was given To me by Mr. Tom Otteson.

At Todays Inspection I Contacted Mr. Norwin Schoenherr, Plant Manager. He Said that the State Board Inspectors requested that the Company Clean & remove a Coloration on the Rocks of the Bank of Dominguez Channel. This is a Discharge point for their Cooling Tower bleed off, about 10 to 20 gallon per min. It Covers about a 10 Sq. ft. area. This Material of the Discoloration is Calcium Carbonate from the Cooling Water. This has accumulated over the past 10 yrs once is the first Cleaning.

Mr. Schoenherr has made application

19,101

G.M.
ATTEN
TOM.
THIS IS THE
ON OTHER
COPY

Copy to RWQCB

I-5385

COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
INDUSTRIAL WASTE DIVISION

INSPECTOR'S REPORT

TO: Ed Thompson DATE: 7/7/72

FROM: Don H Tallmon FILE: Air Products
23320 S. Alameda.

REPORT:

Follow Up inspection of above location today revealed that no work has started to remove the calcium carbonate from Dominguez Channel. The work permit from L.A. County Flood Control was just received on 7/3/72. Work should start next week and be completed by 7/14/72. So Stated by Mr. Norwin S. Schoenherr, plant Manager.
Follow Up Inspection will be made then.

E & LV
2.0

761550L-15 - CE 658 - Cdb 3-62

DUPLICATE

REPORT

TRUESDAIL LABORATORIES, INC.

CHEMISTS - MICROBIOLOGISTS - ENGINEERS

RESEARCH — DEVELOPMENT — TESTING

4101 N. FIGUEROA STREET
LOS ANGELES 90065
AREA CODE 213 • 225-1564
CABLE: TRUELABS

CLIENT Air Products and Chemicals, Inc.
23320 South Alameda
Long Beach, California 90810

DATE August 11, 1972

RECEIVED August 7, 1972

SAMPLE

LABORATORY NO. 113163

INVESTIGATION Monitoring of Receiving Water in Dominguez Channel in accordance with requirements of the State of California Los Angeles Regional Water Quality Control Board Number 4, according to Exhibit "A", Resolution No. 68-4, Third Quarter 1972

RESULTS

On August 8, 1972 the receiving water of the one outlet to the Dominguez Channel was monitored at two locations four times during a complete tidal cycle. The sampling locations were two feet below the surface at points fifty feet south and fifty feet north of the discharge, 15 feet out from the West bank. The monitoring was conducted at high tide, mid ebb tide, low tide and mid flood tide to determine pH, temperature and dissolved oxygen.

In addition to the measurements, visual observations were recorded as to conditions outside the immediate vicinity of the discharge point.

The monitoring data and other information are tabulated on the following page.

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from these Laboratories.

Laboratory No. 113163

TIDE STAGE

Measurements	HIGH N	HIGH S	MID EBB N	MID EBB S	LOW N	LOW S	MID FLOOD N	MID FLOOD S
pH	7.85	7.85	7.80	7.80	7.80	7.80	7.85	7.85
Temp. °F	61	61	63	63	62	62	59	59
D.O., ppm	5.30	5.30	5.60	5.60	4.90	4.90	5.70	5.50
Hour (2400)	1011	1004	1252	1245	1518	1512	0702	0655
Flow:								
Feet/Min.	-----		5 - 10		------		5	
Direction	No Flow		South		No Flow		North	
Observations								
Color	Dark Green		Dark Green		Dark Green		Dark Green	
Turbidity	Slight		Very Slight		Very Slight		Slight	
Color Patches	None		None		None		None	
Visible Solids	None		None		None		None	
Oil & Grease, etc.	Slight foam around outlet none at 50' check points.		Very slight foam around outlet none at 50' check points.		Very slight foam around the outlet, none at the 50' check points		Slight foam around the outlet none at 50' check points.	
Sludge Deposits	None		None		None		None	
Plant/Animal Growth	Algae and barnacles on the edges.		Algae and barnacles on the edges.		Algae and barnacles on the edges.		Algae and barnacles on the edtes.	
Odor Description	None		None		None		None	
Weather Conditions	Sunny, light wind		Sunny, light to med. wind.		Sunny, light wind.		Sunny, light wind	

Respectfully submitted,

TRUESDAIL LABORATORIES, INC.

A. W. Zahner, M.S.
Chief Chemist

DUPLICATE

REPORT

TRUESDAIL LABORATORIES, INC.

CHEMISTS - MICROBIOLOGISTS - ENGINEERS
RESEARCH — DEVELOPMENT — TESTING

4101 N. FIGUEROA STREET
LOS ANGELES 90065
AREA CODE 213 • 225-1564
CABLE: TRUELABS

CLIENT Air Products & Chemicals
23320 S. Alameda Street
Long Beach, California 90810

SAMPLE Attention: Norwin Schoenerr
Effluent Waste Water

DATE August 14, 1972

RECEIVED August 11, 1972

LABORATORY NO. 113302

INVESTIGATION Analysis as requested by the State of California, Los Angeles Region, Water Quality Control Board Number Four, Exhibit A, Resolution No. 68-4, for the month of August 1972.

RESULTS

Effluent Sample

pH @ 27°C	8.78
Suspended Solids, ppm	2.0
Settleable Solids, ml/liter	<0.05
Phenols, ppm	0.1
C.O.D., ppm	124
Oil and Grease, ppm	1.4

I declare, under penalty of perjury, that the above report on the results of the analysis of this sample is true and correct.

Respectfully submitted,

TRUESDAIL LABORATORIES, INC.

A. W. Zahner, M.S.
Chief Chemist

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from these Laboratories.

DUPLICATE
REPORT

5385

TRUESDAIL LABORATORIES, INC.

CHEMISTS - MICROBIOLOGISTS - ENGINEERS
RESEARCH — DEVELOPMENT — TESTING

4101 N. FIGUEROA STREET
LOS ANGELES 90065
AREA CODE 213 • 225-1564
CABLE: TRUELABS

CLIENT Air Products and Chemicals, Inc.
23320 S. Alameda
Long Beach, California
Attention: Norwin Schoenerr

DATE September 11, 1972

RECEIVED September 9, 1972

LABORATORY NO. 113970

SAMPLE EFFLUENT Sample

INVESTIGATION Analysis as requested by the State of California, Los Angeles Region Water Quality Control Board Number Four, Exhibit A, Resolution No. 68-4, for the month of September 1972.

RESULTS

Effluent Sample

pH @ 25 °C	7.28
Suspended Solids, ppm	6.8
Settleable Solids, ml/liter	< 0.05
Phenols, ppm	< 0.05
C.O.D., ppm	79.5
Oil and Grease, ppm	10.0

I declare under penalty of perjury, that the above report on the results of the analysis of this sample is true and correct.

A. W. Zahner, M.S.
Chief Chemist

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from these Laboratories.

COPY SENT TO CRWQCB, L.A. REGION

COUNTY OF LOS ANGELES

DEPARTMENT OF COUNTY ENGINEER

INDUSTRIAL WASTE DIVISION

I-5385

INSPECTOR'S REPORT

TO: Ed Thompson DATE: 9/13/72

FROM: Don H Tallman FILE: Air Products
23320 So. Alemeda

REPORT: A follow up inspection showed that all the Chemical Deposits on the Rocks in Dominguez Channel has been Cleaned Up & Removed.

E.I.J

Lab. Copy ..... WHITE
I File Copy ..... CANARY
Field Copy ..... PINK

COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
INDUSTRIAL WASTE DIVISION

CHEMICAL ANALYSIS

Analysis requested by Milo Dobos *Job No.* _____

Sample of Effluent to Dominguez Channel from Air Industries 23320 S. Alameda *file:* I-5385

Source of suspected contaminants, i.e., character of industrial process, etc.

Sample marked #2097 *collected by* L Hanks

Quantity 1 quart *Date* 9-20-72 *Time of day* 9:10 AM

	PARTS PER MILLION		PARTS PER MILLION
Calcium		*Hydroxide*	
Magnesium		*Carbonate*	
Potassium		*Bicarbonate*	
Sodium		*Chloride*	
Iron		*Sulfate*	
Manganese		*Nitrate*	
Aluminum		*Sulfide*	0 ±
Boron		*Fluoride*	
Chromium, hexavalent		*Phosphate*	
Silica		*Cyanide*	
Total Cations		*Total Anions*	
		Total Ions (calculated dissolved solids)	

pH	6.5	*Dissolved Oxygen*	
Hardness (as $CaCO_3$)		*Biochemical Oxygen Demand*	
Alkalinity (as $CaCO_3$)		*Dissolved Solids*	
Carbon Dioxide (Calc.)		*Suspended Solids*	
Phenols		*Total Solids*	
Oil & Grease		*Turbidity*	
Non-Carbonate Hardness		*Sodium Ratio*	
Conductance, micrombos		*A B S*	
		Total Iron	
		Total Manganese	

Remarks or special analyses COD on 1/4 = 38 ppm

Received at laboratory 9-20-72 *Laboratory No.* 24829

Analysis by P *Date* 9-20-72

76C211F--CE 644--REV.--12/64 (P)5

Q

DUPLICATE
REPORT

5385

TRUESDAIL LABORATORIES, INC.

CHEMISTS - MICROBIOLOGISTS - ENGINEERS
RESEARCH — DEVELOPMENT — TESTING

4101 N. FIGUEROA STREET
LOS ANGELES 90065
AREA CODE 213 • 225-1564
CABLE: TRUELABS

CLIENT Air Products and Chemicals Inc.
23320 South Alameda
Long Beach, California 90810

DATE November 13, 1972

RECEIVED November 7, 1972

SAMPLE

LABORATORY NO. 114550

INVESTIGATION Monitoring of Receiving Water in Dominguez Channel in accordance with requirements of the State of California Los Angeles Regional Water Quality Control Board Number 4, according to Exhibit "A", Resolution No. 68-4, Fourth Quarter, 1972.

RESULTS

On November 7, 1972 the receiving water of the one outlet to the Dominguez Channel was monitored at two locations four times during a complete tidal cycle. The samplingglocations were two feet below the surface at points fifty feet south and fifty feet north of the discharge, 15 feet out from the west bank. The monitoring was conducted at high tide, mid ebb tide, low tide and mid flood tide to determine pH, temperature and dissolved oxygen.

In addition to the measurements, visual observations were recorded as to conditionsnoutside the immediate vicinity of the discharge point.

The monitoring data and other information are tabulated on the following page.

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from these Laboratories.

TIDE STAGE

Measurements	HIGH N	HIGH S	MID EBB N	MID EBB S	LOW N	LOW S	MID FLOOD N	MID FLOOD S
pH	7.85	7.85	7.80	7.80	7.85	7.85	7.85	7.85
Temp. °F.	62	62	62	62	63	63	61	61
D.O., ppm	4.10	4.10	4.20	4.20	4.90	4.90	4.00	4.00
Hour (2400)	1147	1142	1357	1352	1610	1603	0920	0914
Flow:								
Feet/Min.	---		7 - 10		1 - 2		7-10	
Direction	No Flow		South		South		North	
Observations								
Color	Dark Green		Dark Green		Dark Green		Dark Green	
Turbidity	Very slight		slight	slight	slight	slight	slight	
Color Patches	None		None		None		None	
Visible Solids	None		None		None		Wood & debris over entire channel	
Oil & Grease, etc.	Very slight foam around outlet		None		None		None	
Sludge Deposits	None		None		None		None	
Plant/Animal Growth	Algae and barnacles on edges		algae and barnacles on edges		algae and barnacles on edges		algae and barnacles on edges	
Odor Description	None		None		None		None	
Weather Conditions	Overcast light to medium wind		Partly cloudy, light to medium wind		Partly cloudy, medium wind		Overcast medium wind	

Respectfully submitted,

TRUESDAIL LABORATORIES, INC.

A. W. Zahner, M.S.
Chief Chemist

TIDE STAGE

Measurements	HIGH N	HIGH S	MID EBB N	MID EBB S	LOW N	LOW S	MID FLOOD N	MID FLOOD S
pH	7.85	7.85	7.80	7.80	7.85	7.85	7.85	7.85
Temp. °F.	62	62	62	62	63	63	61	61
D.O., ppm	4.10	4.10	4.20	4.20	4.90	4.90	4.00	4.00
Hour (2400)	1147	1142	1357	1352	1610	1603	0920	0914
Flow:								
Feet/Min.	---		7 - 10		1 - 2		7-10	
Direction	No Flow		South		South		North	

Observations				
Color	Dark Green	Dark Green	Dark Green	Dark Green
Turbidity	Very slight	slightslight	slight slight	slight
Color Patches	None -	None	None	None
Visible Solids	None	None	None	Wood & debris over entire channel
Oil & Grease, etc.	Very slight foam around outlet	None	None	None
Sludge Deposits	None	None	None	None
Plant/Animal Growth	Algae and barnacles on edges	algae and barnacles on edges	algae and barnacles on edges	algae and barnacles on edges
Odor Description	None	None	None	None
Weather Conditions	Overcast light to medium wind	Partly cloudy, light to medium wind	Partly cloudy, medium wind	Overcast medium wind

Respectfully submitted,

TRUESDAIL LABORATORIES, INC.

A. W. Zahner, M.S.
Chief Chemist

Lab. Copy ..... WHITE
I File Copy ..... CANARY
Field Copy ..... PINK

COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
INDUSTRIAL WASTE DIVISION

CHEMICAL ANALYSIS

Analysis requested by Milo Dobbs *Job No.* _____

Sample of Effluent to Dominguez Channel from Air Prod. & Chem. Inc. 2320 S. Alameda *file:* I-5385-2

Source of suspected contaminants, i.e., character of industrial process, etc.

Sample marked AP-402 *collected by* L. Dunbar

Quantity 1 quart *Date* 12-20-72 *Time of day* 10:00 A.M.

	PARTS PER MILLION		PARTS PER MILLION
Calcium		*Hydroxide*	
Magnesium		*Carbonate*	
Potassium		*Bicarbonate*	
Sodium		*Chloride*	
Iron		*Sulfate*	
Manganese		*Nitrate*	
Aluminum		*Sulfide*	
Boron		*Fluoride*	
Chromium, hexavalent		*Phosphate*	
Silica		*Cyanide*	
Total Cations		*Total Anions*	
		Total Ions (calculated dissolved solids)	

pH		*Dissolved Oxygen*	
Hardness (as $CaCO_3$)		*Biochemical Oxygen Demand*	
Alkalinity (as $CaCO_3$)		*Dissolved Solids*	
Carbon Dioxide (Calc.)		*Suspended Solids*	
Phenols		*Total Solids*	
Oil & Grease		*Turbidity*	
Non-Carbonate Hardness		*Sodium Ratio*	
Conductance, micrombos		*A B S*	
		Total Iron	
		Total Manganese	

Remarks or special analyses C.O.D. only = 62 ppm

Received at laboratory 12 20 72 *Laboratory No.* 24973

Analysis by CP *Date* 12-20-72

76C211F--CE 644--REV.--12/64 Ⓟ

I-5385

CITY OF CARSON

February 8, 1973

Air Products and Chemicals, Inc.
23220 South Alameda Street
Carson, California

Gentlemen:

AIR PRODUCTS AND CHEMICALS, INC. (I-5385)

Our records indicate that your facility is currently discharging to Dominguez Channel under Industrial Waste Disposal Permit No. 3113. To complete our files, please provide us with a current set of site and waste piping plans for all your channel discharges. Please indicate on these plans any flow measuring or recording devices installed.

Your plans should be forwarded to:

Mr. C. G. Brisley, Jr., Division Engineer
Project Planning and Pollution Control Division
Department of County Engineer
9150 East Imperial Highway
Downey, California 90242

Attention Mr. Gordon Marion

Thank you for your cooperation.

Very truly yours,

Harvey T. Brandt
CITY ENGINEER

Original Signed

S. Iguchi
Assistant Division Engineer

SI-cp 8

dc: SI, ER, GM, FILE--I-5385

DUPLICATE
REPORT

TRUESDAIL LABORATORIES, INC.

CHEMISTS - MICROBIOLOGISTS - ENGINEERS
RESEARCH — DEVELOPMENT — TESTING

4101 N. FIGUEROA STREET
LOS ANGELES 90065
AREA CODE 213 • 225-1564
CABLE: TRUELABS

CLIENT Air Products and Chemicals Inc.
23320 South Alameda
Long Beach, California 90810

DATE February 15, 1973

RECEIVED February 6, 1973

SAMPLE I-5385

LABORATORY NO. 115830

INVESTIGATION

Monitoring of Receiving Water in Dominguez Channel in accordance with requirements of the State of California Los Angeles Regional Water Quality Control Board, Number 4, according to Exhibit "A" Resolution No. 68-4, First Quarter 1973.

RESULTS

On February 13, 1973, the receiving water of the one outlet to the Dominguez Channel was monitored at two locations four times during the complete tidal cycle. The sampling locations were two feet below the surface at points fifty feet south and fifty feet north of the discharge, fifteen (15) feet out from the west bank. The monitoring was conducted at high tide, mid ebb tide, low tide and mid flood to determine pH, temperature and dissolved oxygen.

In addition to the measurements, visual observations were recorded as to conditions outside the immediate vicinity of the discharge point.

The monitoring data and other information are tabulated on the following page.

OK
LQ

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from these Laboratories.

Air Products and Chemicals Inc.
Laboratory No. 115830

	TIDE STAGE							
	HIGH		MID EBB		LOW		MID FLOOD	
Measurements	N	S	N	S	N	S	N	S
pH	7.80	7.80	7.80	7.80	7.85	7.85	7.80	7.80
Temp. °F	55	55	56	56	57	57	55	55
D.O., ppm	5.00	5.00	5.75	5.75	5.35	5.35	5.80	5.60
Hour (2400)	0837	0832	1056	1050	1303	1255	1632	1625
Flow:								
Feet/Min.	-	-	-	10	-	-	10-12	
Direction	No Flow		South		No Flow		North	
Observations								
Color	Brown		Brown		Brown		Brown	
Turbidity	Slight		Slight		Slight		Slight	
Color Patches	None		None		None		None	
Visible Solids	None		None		None		None	
Oil & Grease, etc.	Very slight Foam around Outlet		Slight foam south of Outlet		Slight foam south of Outlet		Slight foam north of Outlet	
Sludge Deposits	None		None		None		None	
Plant/Animal Growth	Algae and barnacles on the edges		Algae and barnacles on the edges		Algae and barancles on the edges		Algae and barancles on the edges	
Odor Description	None		None		None		None	
Weather Conditions	Sunny, light wind		Sunny, medium wind		Partly cloudy medium wind		Partly cloudy medium wind	

Respectfully submitted,
TRUESDAIL LABORATORIES, INC.

A. W. Zahner, M.S.
Chief Chemist

Lab. Copy ..... WHITE
I File Copy ..... CANARY
Field Copy ..... PINK

COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
INDUSTRIAL WASTE DIVISION

CHEMICAL ANALYSIS

Analysis requested by Milo Dobes *Job No.* _____

Sample of Effluent to Dominguez Channel from Air Prod. & Chem. Inc 23220 S. Alameda *file:* I-5385-2

Source of suspected contaminants, i.e., character of industrial process, etc.

Sample marked A-71 *collected by* J Lamb

Quantity 1 quart *Date* 2-27-73 *Time of day* 9:15 AM

	PARTS PER MILLION		PARTS PER MILLION
Calcium		Hydroxide	
Magnesium		Carbonate	
Potassium		Bicarbonate	
Sodium		Chloride	
Iron		Sulfate	
Manganese		Nitrate	
Aluminum		Sulfide	0.0
Boron		Fluoride	
Chromium, hexavalent		Phosphate	
Silica		Cyanide	
Total Cations		Total Anions	
		Total Ions (calculated dissolved solids)	
pH	6.5	Dissolved Oxygen	
Hardness (as $CaCO_3$)		Biochemical Oxygen Demand	
Alkalinity (as $CaCO_3$)		Dissolved Solids	
Carbon Dioxide (Calc.)		Suspended Solids	
Phenols		Total Solids	
Oil & Grease		Turbidity	
Non-Carbonate Hardness		Sodium Ratio	
Conductance, micrombos		A B S	
		Total Iron	
		Total Manganese	

Remarks or special analyses C.O.D. only = 13 ppm

Received at laboratory 2-27-73 *Laboratory No.* 25084

Analysis by T *Date* 2-27-73

76C211F--CE 644--REV.--12/64 (P)5

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COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
INDUSTRIAL WASTE DIVISION

CHEMICAL ANALYSIS

Analysis requested by Milo Dobes *Job No.* 04/5,00

Sample of Effluent to Dominguez Channel from Air Prod. & Chem.
23220 S. Alameda *file:* I-5385-2

Source of suspected contaminants, i.e., character of industrial process, etc.

Sample marked A-721 *collected by* J. Davis

Quantity 1 quart *Date* 4-12-73 *Time of day* 9:30 A.M.

	PARTS PER MILLION		PARTS PER MILLION
Calcium		Hydroxide	
Magnesium		Carbonate	
Potassium		Bicarbonate	
Sodium		Chloride	
Iron		Sulfate	
Manganese		Nitrate	
Aluminum		Sulfide	0 °
Boron		Fluoride	
Chromium, hexavalent		Phosphate	
Silica		Cyanide	
Total Cations		Total Anions	
		Total Ions (calculated dissolved solids)	
pH	6	Dissolved Oxygen	
Hardness (as $CaCO_3$)		Biochemical Oxygen Demand	
Alkalinity (as $CaCO_3$)		Dissolved Solids	
Carbon Dioxide (Calc.)		Suspended Solids	
Phenols		Total Solids	
Oil & Grease		Turbidity	
Non-Carbonate Hardness		Sodium Ratio	
Conductance, micromhos		A B S	
		Total Iron	
		Total Manganese	

Remarks or special analyses C O D. only = 10 ppm

Received at laboratory 4-12-73 *Laboratory No.* 25167

Analysis by CP *Date* 4-12-73

76C211F--CE 644--REV.--12/64 (P5)

DUPLICATE

REPORT

5385

TRUESDAIL LABORATORIES, INC.

CHEMISTS - MICROBIOLOGISTS - ENGINEERS
RESEARCH — DEVELOPMENT — TESTING

4101 N. FIGUEROA STREET
LOS ANGELES 90065
AREA CODE 213 • 225-1564
CABLE: TRUELABS

CLIENT Air Products and Chemicals, Inc.
23320 South Alameda
Long Beach, California 90810

DATE May 8, 1973

RECEIVED May 2, 1973

SAMPLE

LABORATORY NO. 117068

INVESTIGATION Monitoring of Receiving Water in Dominguez Channel in accordance with requirements of the State of California Los Angeles Regional Water Quality Control Board Number 4, according to Exhibit "A" Resolution No. 68-4 Second Quarter 1973.

RESULTS

On May 2, 1973 the receiving water of the one outlet to the Dominguez channel was monitored at two locations four times during the complete tidal cycle. The sampling locations were two feet below the surface at points fifty feet south and fifty feet north of the discharge, 15 feet out from the West bank. The monitoring was conducted at high tide, mid ebb tide, low tide and mid flood to determine pH, temperature and dissolved oxygen.

In addition to the measurements, visual observations were recorded as to conditions outside the immediate vicinity of the discharge point.

The monitoring data and other information are tabulated on the following page.

Respectfully submitted,

TRUESDAIL LABORATORIES, INC.

Charlie A. Gratchfield

Charlie A. Gratchfield, M.S.
Technical Director

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from these Laboratories.

TIDE STAGE

Measurements	HIGH N	HIGH S	MID EBB N	MID EBB S	LOW N	LOW S	MID FLOOD N	MID FLOOD S
pH	7.80	7.80	7.80	7.80	7.85	7.85	7.80	7.80
Temp. °F.	59	59	60	60	59	59	57	57
D.O., ppm	4.60	4.60	4.80	4.80	4.75	4.75	4.25	4.10
Hour (2400)	1022	1017	1314	1307	1515	1507	0750	0745
Flow:								
Feet/Min.	--		7 - 10		--		7 - 10	
Direction	No Flow		South		No.Flow		North	
Observations								
Color	Green		Green		Green		Green	
Turbidity	Slight		Slight		Very slight		Slight	
Color Patches	None		None		None		None	
Visible Solids	None		None		None		None	
Oil & Grease, etc.	Very slight foam around outlet.		Flight foam around outlet		None		Very slight foam around outlet.	
Sludge Deposits	None		None		None		None	
Plant/Animal Growth	Algae and barnacles on edges.		Algae and barnacles on edges.		Algae and barnacles on edges.		Algae and barnacles on edges.	
Odor Description	None		None		None		None	
Weather Conditions	Sunny, light wind		Sunny, slight wind		Sunny, no wind		Sunny, light wind	

Respectfully submitted,

TRUESDAIL LABORATORIES, INC.

Charlie A. Crutchfield

Charlie A. Crutchfield, Ph.D.
Technical Director

REPORT

TRUESDAIL LABORATORIES, INC.

CHEMISTS - MICROBIOLOGISTS - ENGINEERS
RESEARCH — DEVELOPMENT — TESTING

4101 N. FIGUEROA STREET
LOS ANGELES 90065
AREA CODE 213 • 225-1564
CABLE: TRUELABS

CLIENT Air Products and Chemicals Inc.
23320 So. Alameda Street
Long Beach, California
Attn: Norwin Schoenerr

DATE April 9, 1973

RECEIVED April 4, 1973

SAMPLE Effluent Wastewater

LABORATORY NO. 116642

INVESTIGATION Analysis as requested by the State of California, Los Angeles Region, Water Quality Control Board Number Four, Exhibit A, Resolution No. 68-4, for the month of April 1973.

RESULTS

Effluent Sample

pH @ 25°C	9.28
Suspended Solids, ppm	6.4
Settleable Solids, ml/liter	<0.05
Phenols, ppm	<0.05
C.O.D., ppm	43.2
Oil and Grease, ppm	4.0

I declare under penalty of perjury, that the above report on the results of the analysis of this sample is true and correct.

Respectfully submitted,

TRUESDAIL LABORATORIES, INC.

A. W. Zahner, M.S.
Chief Chemist

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from these Laboratories.

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COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
INDUSTRIAL WASTE DIVISION

CHEMICAL ANALYSIS

Analysis requested by Milo Dobes *Job No.* _____

Sample of Effluent to Dominguez Channel from Air Prod. & Chem. Inc. 23220 S. Alameda *file:* I-5385-2

Source of suspected contaminants, i.e., character of industrial process, etc.

Sample marked AI-731 *collected by* L. Davis

Quantity 1 qt grab *Date* 5-15-73 *Time of day* 9:00 AM

	PARTS PER MILLION		PARTS PER MILLION
Calcium		Hydroxide	
Magnesium		Carbonate	
Potassium		Bicarbonate	
Sodium		Chloride	
Iron		Sulfate	
Manganese		Nitrate	
Aluminum		Sulfide	
Boron		Fluoride	
Chromium, hexavalent		Phosphate	
Silica		Cyanide	
Total Cations		Total Anions	
		Total Ions (calculated dissolved solids)	
pH		Dissolved Oxygen	
Hardness (as $CaCO_3$)		Biochemical Oxygen Demand	
Alkalinity (as $CaCO_3$)		Dissolved Solids	
Carbon Dioxide (Calc.)		Suspended Solids	
Phenols		Total Solids	
Oil & Grease		Turbidity	
Non-Carbonate Hardness		Sodium Ratio	
Conductance, micrombos		A B S	
		Total Iron	
		Total Manganese	

Remarks or special analyses C.O.D. only = 78 ppm

Received at laboratory 5-15-73 *Laboratory No.* 25235

Analysis by CP *Date* 5-15-73

76C211F--CE 644--REV.--12/64 Ⓟs

OK LQ

LQ

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Field Copy ..... PINK

COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
INDUSTRIAL WASTE DIVISION

CHEMICAL ANALYSIS

Analysis requested by Milo Dobes *Job No.* _____

Sample of Effluent to Dominguez Channel from Air Prod. & Chem. Inc. 23220 S. Alameda *file:* I-5385-2

Source of suspected contaminants, i.e., character of industrial process, etc.

Sample marked AP-741 *collected by* J. Wands

Quantity 1 qt *Date* 6-25-73 *Time of day* 9:05 AM

	PARTS PER MILLION		PARTS PER MILLION
Calcium		Hydroxide	
Magnesium		Carbonate	
Potassium		Bicarbonate	
Sodium		Chloride	
Iron		Sulfate	
Manganese		Nitrate	
Aluminum		Sulfide	0.2
Boron		Fluoride	
Chromium, hexavalent		Phosphate	
Silica		Cyanide	
Total Cations		Total Anions	
		Total Ions (calculated dissolved solids)	
pH	7	Dissolved Oxygen	
Hardness (as $CaCO_3$)		Biochemical Oxygen Demand	
Alkalinity (as $CaCO_3$)		Dissolved Solids	
Carbon Dioxide (Calc.)		Suspended Solids	
Phenols		Total Solids	
Oil & Grease		Turbidity	
Non-Carbonate Hardness		Sodium Ratio	
Conductance, micrombos		A B S	
		Total Iron	
		Total Manganese	

Remarks or special analyses C.O.D. only = 20 ppm

Received at laboratory 25 73 *Laboratory No.* 25382

Analysis by P *Date* 6 25 73

76C211F--CE 644--REV.--12/64 Ⓟ5

Cws

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I File Copy ..... CANARY
Field Copy ..... PINK

COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
INDUSTRIAL WASTE DIVISION

CHEMICAL ANALYSIS

Analysis requested by Milo Dobes *Job No.* _____

Sample of Effluent to Dominguez Channel from Air Prod. & Chem. Inc. 23220 S. Alameda *file:* I-5385.2

Source of suspected contaminants, i.e., character of industrial process, etc.

Sample marked ~~Inert~~ AP-221 *collected by* J. Davis

Quantity Inert *Date* _____ *Time of day* 9:02 A.M.

	PARTS PER MILLION		PARTS PER MILLION
Calcium		Hydroxide	
Magnesium		Carbonate	
Potassium		Bicarbonate	
Sodium		Chloride	
Iron		Sulfate	
Manganese		Nitrate	
Aluminum		Sulfide	0
Boron		Fluoride	
Chromium, hexavalent		Phosphate	
Silica		Cyanide	
Total Cations		Total Anions	
		Total Ions (calculated dissolved solids)	
pH	7	Dissolved Oxygen	
Hardness (as $CaCO_3$)		Biochemical Oxygen Demand	
Alkalinity (as $CaCO_3$)		Dissolved Solids	
Carbon Dioxide (Calc.)		Suspended Solids	
Phenols		Total Solids	
Oil & Grease		Turbidity	
Non-Carbonate Hardness		Sodium Ratio	
Conductance, micrombos		A B S	
		Total Iron	
		Total Manganese	

Remarks or special analyses COD only = 34 ppm

Received at laboratory 7 12 71 *Laboratory No.* 24001

Analysis by CP *Date* 7 12 71

76C211F--CE 644--REV.--12/64 Ps

LQ

Lab. Copy ..... WHITE
I File Copy ..... CANARY
Field Copy ..... PINK

COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
INDUSTRIAL WASTE DIVISION

CHEMICAL ANALYSIS

Analysis requested by Milo Dobos *Job No.* 3750.10

Sample of Effluent to Dominguez Channel from Air Products & Chem. Inc. 23220 S. Alameda *file:* I-5385-2

Source of suspected contaminants, i.e., character of industrial process, etc.

Sample marked AP-751 *collected by* L. Wards

Quantity 1 quart *Date* 7-19-73 *Time of day* 9:00 AM

	PARTS PER MILLION		PARTS PER MILLION
Calcium		Hydroxide	
Magnesium		Carbonate	
Potassium		Bicarbonate	
Sodium		Chloride	
Iron		Sulfate	
Manganese		Nitrate	
Aluminum		Sulfide	0 ±
Boron		Fluoride	
Chromium, hexavalent		Phosphate	
Silica		Cyanide	
Total Cations		Total Anions	
		Total Ions (calculated dissolved solids)	
pH	7	Dissolved Oxygen	
Hardness (as $CaCO_3$)		Biochemical Oxygen Demand	
Alkalinity (as $CaCO_3$)		Dissolved Solids	
Carbon Dioxide (Calc.)		Suspended Solids	
Phenols		Total Solids	
Oil & Grease		Turbidity	
Non-Carbonate Hardness		Sodium Ratio	
Conductance, micrombos		A B S	
		Total Iron	
		Total Manganese	

Remarks or special analyses C.O.D. only = 18 ppm

Received at laboratory 7 19 73 *Laboratory No.* 25480

Analysis by P *Date* 7 19 73

76C211F--CE 644--REV.--12/64 (P5)

CWS

REPORT

I-5385

TRUESDAIL LABORATORIES, INC.

CHEMISTS - MICROBIOLOGISTS - ENGINEERS
RESEARCH — DEVELOPMENT — TESTING

4101 N. FIGUEROA STREET
LOS ANGELES 90065
AREA CODE 213 • 225-1564
CABLE: TRUELABS

CLIENT Air Products and Chemicals, Inc.
23320 So. Alameda
Long Beach, California 90810
Attn: Norwin Schoenerr

DATE July 20, 1973

RECEIVED July 12, 1973

SAMPLE Effluent Wastewater

LABORATORY NO. 118043

INVESTIGATION Analysis as requested by the State of California, Los Angeles Region, Water Quality Control Board Number Four, Exhibit A, Resolution No. 68-4, for the month of July, 1973.

RESULTS

Effluent Sample	
pH @ 25°C	8.00
Suspended Solids, ppm	2.5
Settleable Solids, ml/liter	0.05
Phenols, ppm	0.05
C.O.D., ppm	19.8
Oil and Grease, ppm	1.9

I declare, under penalty of perjury, that the above report on the results of the analysis of this sample is true and correct.

Respectfully Submitted,

TRUESDAIL LABORATORIES, INC.

A.W. Zahner, M.S.
Chief Chemist

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from these Laboratories.

DUPLICATE

REPORT

TRUESDAIL LABORATORIES, INC.

CHEMISTS - MICROBIOLOGISTS - ENGINEERS

RESEARCH — DEVELOPMENT — TESTING

4101 N. FIGUEROA STREET
LOS ANGELES 90065
AREA CODE 213 • 225-1564
CABLE: TRUELABS

CLIENT Air Products and Chemicals Inc.
23320 South Alameda
Long Beach, California 90810

DATE August 14, 1973

RECEIVED August 8, 1973

SAMPLE

LABORATORY NO. 118538

INVESTIGATION Monitoring of Receiving Water in Dominguez Channal in accordance with requirements of the State of California Los Angeles Regional Water Quality Control Board Number 4, according to Exhibit "A", Resolution No. 68-4, Third Quarter 1973.

RESULTS

On August 8, 1973 the receiving water of the one outlet to the Dominguez Channel was monitored at two locations four times during the complete tidal cycle. The sampling locations were two feet below the surface at points fifty feet south and fifty feet north of the discharge, 15 feet out from the West bank. The monitoring was conducted at high tide, mid ebb tide, low tide and mid flood to determine pH, temperature and dissolved oxygen.

In addition to the measurements, visual observations were recorded as to conditions outside the immediate vicinity of the discharge point.

The monitoring data and other information are tabulated on the following page.

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from these Laboratories.

Air Products and Chemicals Inc.
Laboratory No. 118538

TIDE STAGE

Measurements	HIGH N	HIGH S	MID EBB N	MID EBB S	LOW N	LOW S	MID FLOOD N	MID FLOOD S
pH	7.80,	7.80	7.80	7.80	7.80	7.80	7.80	7.80
Temp. °F.	63	63	65	65	68	68	66	66
D.O., ppm	3.40	3.40	3.50	3.80	3.90	3.90	4.70	4.24
Hour (2400)	0825	0820	1016	1010	1208	1202	1515	1508
Flow:								
Feet/Min.	---		5-10		---		7-10	
Direction	No Flow		South		No.Flow		North	
Observations								
Color	Dark green		Dark green		Dark green		Dark green	
Turbidity	Very slight		Very slight		Very slight		Very slight	
Color Patches	None		None		None		None	
Visible Solids	None		None		None		None	
Oil & Grease, etc.	None		None		None		None	
Sludge Deposits	None		None		None		None	
Plant/Animal Growth	Algae and barnacles on the edges		Algae and barnacles on the edges		Algae and barnacles on the edges		Algae and barnacles on the edges	
Odor Description	None		None		None		None	
Weather Conditions	Cloudy, medium wind		Sunny, medium wind		Sunny, medium wind		Sunny, medium wind	

Respectfully submitted,

TRUESDAIL LABORATORIES, INC.

A. W. Zahner, M.S.
Chief Chemist

Lab. Copy ..... WHITE
I File Copy ..... CANARY
Field Copy ..... PINK

COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
INDUSTRIAL WASTE DIVISION

CHEMICAL ANALYSIS

Analysis requested by Milo Dobes *Job No.* 3750.10

Sample of Effluent to Dominguez Channel from Aim Products & Chem. Inc. 23220 S. Alameda *file:* I-5385-2

Source of suspected contaminants, i.e., character of industrial process, etc.

Sample marked AP-761 *collected by* J. Dunn - R. Hardt

Quantity 1 gallon *Date* 8-16-73 *Time of day* 8:50 A.M.

	PARTS PER MILLION		PARTS PER MILLION
Calcium		Hydroxide	
Magnesium		Carbonate	
Potassium		Bicarbonate	
Sodium		Chloride	
Iron		Sulfate	
Manganese		Nitrate	
Aluminum		Sulfide	0
Boron		Fluoride	
Chromium, hexavalent		Phosphate	
Silica		Cyanide	
Total Cations		Total Anions	
		Total Ions (calculated dissolved solids)	
pH	7	Dissolved Oxygen	
Hardness (as $CaCO_3$)		Biochemical Oxygen Demand	
Alkalinity (as $CaCO_3$)		Dissolved Solids	
Carbon Dioxide (Calc.)		Suspended Solids	
Phenols		Total Solids	
Oil & Grease		Turbidity	
Non-Carbonate Hardness		Sodium Ratio	
Conductance, micrombos		A B S	
		Total Iron	
		Total Manganese	

Remarks or special analyses C.O.D. on 1/ = 36 ppm

Received at laboratory 8-16-73 *Laboratory No.* 25558

Analysis by CP *Date* 8-16-73

76C211F--CE 644--REV.--12/64

RBWH
91373B

Lab. Copy ..... WHITE
I File Copy ..... CANARY
Field Copy ..... PINK

COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
INDUSTRIAL WASTE DIVISION

CHEMICAL ANALYSIS

Analysis requested by MILO DOBES *Job No.* 3750.10

Sample of EFFLUENT TO DOMINGUEZ CHANNEL FROM AIR PRODUCTS & CHEM INC., 23220 SO. ALAMEDA *file:* I-5385-22

Source of suspected contaminants, i.e., character of industrial process, etc.

OUTLET TO CHANNEL

Sample marked RBWH 91373B *collected by* RBWH

Quantity 1 QT. *Date* 9-13-73 *Time of day* 9:00 AM

	PARTS PER MILLION		PARTS PER MILLION
Calcium		Hydroxide	
Magnesium		Carbonate	
Potassium		Bicarbonate	
Sodium		Chloride	
Iron		Sulfate	
Manganese		Nitrate	
Aluminum		Sulfide	
Boron		Fluoride	
Chromium, hexavalent		Phosphate	
Silica		Cyanide	
Total Cations		Total Anions	
		Total Ions (calculated dissolved solids)	
pH		Dissolved Oxygen	
Hardness (as $CaCO_3$)		Biochemical Oxygen Demand	
Alkalinity (as $CaCO_3$)		Dissolved Solids	
Carbon Dioxide (Calc.)		Suspended Solids	
Phenols		Total Solids	
Oil & Grease		Turbidity	
Non-Carbonate Hardness		Sodium Ratio	
Conductance, micrombos		A B S	
		Total Iron	
		Total Manganese	

Remarks or special analyses C.O.D. only → 30 mg/l.

Received at laboratory 9-13-73 *Laboratory No.* 25620

Analysis by RA *Date* 9-13-73

76C211F--CE 644--REV.--12/64 Ⓟ5

Lab. Copy ..... WHITE
I File Copy ..... CANARY
Field Copy ..... PINK

COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
INDUSTRIAL WASTE DIVISION

CHEMICAL ANALYSIS

Analysis requested by Milo Dobbs *Job No.* 3750.10

Sample of Effluent to Dominguez Channel from Air Prod. & Chem. 23220 S. Alameda *file:* I-5385-2

Source of suspected contaminants, i.e., character of industrial process, etc.

Sample marked AP-771 *collected by* J. Davis

Quantity 1 Quart *Date* 10-18-73 *Time of day* 9:00 AM

	PARTS PER MILLION		PARTS PER MILLION
Calcium		Hydroxide	
Magnesium		Carbonate	
Potassium		Bicarbonate	
Sodium		Chloride	
Iron		Sulfate	
Manganese		Nitrate	
Aluminum		Sulfide	0
Boron		Fluoride	
Chromium, hexavalent		Phosphate	
Silica		Cyanide	
Total Cations		Total Anions	
		Total Ions (calculated dissolved solids)	
pH		Dissolved Oxygen	
Hardness (as $CaCO_3$)		Biochemical Oxygen Demand	
Alkalinity (as $CaCO_3$)		Dissolved Solids	
Carbon Dioxide (Calc.)		Suspended Solids	
Phenols		Total Solids	
Oil & Grease		Turbidity	
Non-Carbonate Hardness		Sodium Ratio	
Conductance, micrombos		A B S	
		Total Iron	
		Total Manganese	

Remarks or special analyses C.O.D. 2011 → 39 ppm.

Received at laboratory 10-18-73 *Laboratory No.* 25693

Analysis by RA *Date* 10-19-73

76C211F--CE 644--REV.--12/64 Ⓟs

WB

Lab. Copy ..... WHITE
I File Copy ..... CANARY
Field Copy ..... PINK

COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
INDUSTRIAL WASTE DIVISION

CHEMICAL ANALYSIS

Analysis requested by Ken Harvey *Job No.* 3750.10

Sample of Effluent to Dominguez Channel from Air Prod. & Chem Co. 23320 S. Alameda *file:* 5385-2

Source of suspected contaminants, i.e., character of industrial process, etc.

Sample marked AI-790 *collected by* T. Davis 8:00 AM

Quantity 1 grab *Date* 1-14-74 *Time of day* 8:00 AM

	PARTS PER MILLION		PARTS PER MILLION
Calcium		Hydroxide	
Magnesium		Carbonate	
Potassium		Bicarbonate	
Sodium		Chloride	
Iron		Sulfate	
Manganese		Nitrate	
Aluminum		Sulfide	OK
Boron		Fluoride	
Chromium, hexavalent		Phosphate	
Silica		Cyanide	
Total Cations		Total Anions	
		Total Ions (calculated dissolved solids)	
pH	12	Dissolved Oxygen	
Hardness (as $CaCO_3$)		Biochemical Oxygen Demand	
Alkalinity (as $CaCO_3$)		Dissolved Solids	
Carbon Dioxide (Calc.)		Suspended Solids	
Phenols		Total Solids	
Oil & Grease		Turbidity	
Non-Carbonate Hardness		Sodium Ratio	
Conductance, micrombos		A B S	
		Total Iron	
		Total Manganese	

Remarks or special analyses C.O.D. only → 43 ppm.

Received at laboratory 1-14-74 *Laboratory No.* 25849

Analysis by Raymond *Date* Jan. 14, 1974 WS

76C211F--CE 644--REV.--12/64 (P)

G 12 fm LQ

I-5385

STATE OF CALIFORNIA—RESOURCES AGENCY

RONALD REAGAN, Governor

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD—
LOS ANGELES REGION

107 SOUTH BROADWAY, SUITE 4027
LOS ANGELES, CALIFORNIA 90012

REPLY ACTN INFO
REFD TO
DEC 6 9 45 AM '74
REPT TO PREP REPLY
HTB RNW JTR
IHA RJR RTR

CERTIFIED MAIL-RETURN RECEIPT REQUESTED (No. 462784)

DEC 5 1974

Air Products and Chemicals, Inc.
23320 South Alameda Street
Long Beach, California 90810

RECEIVED
DEC 6 1974
PROJECT PLANNING AND POLLUTION CONTROL DIVISION

ATTENTION: Mr. Norwin S. Schoenherr
Plant Manager

RE: Waste Discharge Requirements (NPDES Permit No. CA0003085)

Gentlemen:

Reference is made to our letter dated October 3, 1974, which transmitted a draft of tentative requirements for your disposal of wastes into Dominguez Channel.

Pursuant to Division 7 of the Water Code of the State of California, this California Regional Water Quality Control Board, at a public hearing held on November 18, 1974, reviewed these tentative requirements, considered all factors in the case, and adopted Order No. 74-344 (copy attached) relative to this waste discharge.

Please note the revision of the effluent limitation for phenols on page 2 of the Order, as adopted. The concentration limits for settleable solids as presented in the tentative requirements were not changed, as these are consistent with those adopted for other similar discharges. Any request for changing these limits must be substantiated by data supporting the request.

This Order serves as a permit under the National Pollutant Discharge Elimination System, and expires July 31, 1978. Please note that you must file an application for a new permit at least 180 days in advance of that date.

Your attention is directed to the provision in the Monitoring and Reporting Program (copy attached) which requires you to submit a technical report to this Board no later than 30 days after receipt of this permit relative to the operation and maintenance of of the waste disposal facility. You are also required to implement the monitoring program as stated in the Monitoring and Reporting Program within 60 days of the effective date of this Order. Your first monitoring report is due by April 15, 1975. Please reference all technical and monitoring reports to our Compliance File No. 5422.

Very truly yours,

Original signed by
Raymond M. Hertel
RAYMOND M. HERTEL
Executive Officer

cc: See attached mailing list

Enclosures

A2

cc: Environmental Protection Agency, Region IX
Regional Administrator, Attn: Permits Branch (2) (CM-RRR No. 462785)
United States Army Corps of Engineers
State Water Resources Control Board
Department of Fish and Game
Department of Health, Water Sanitation Section
Department of Water Resources
Natural Resources Defense Council, Inc.
~~United States Department of the Interior,~~
~~Division of River Basin Studies~~
Los Angeles County Flood Control District
County of Los Angeles, Department of Health Services
City of Carson
NOAA, National Marine Fisheries Service
Air Products and Chemicals, Inc.
ATTENTION: Mr. George G. Handley
Los Angeles County Engineer
Project Planning and Pollution Control Division

State of California
Resources Agency
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD, LOS ANGELES REGION

ORDER NO. 74-344

NPDES NO. CA0003085

WASTE DISCHARGE REQUIREMENTS FOR AIR PRODUCTS AND CHEMICALS, INC.

The California Regional Water Quality Control Board, Los Angeles Region, finds:

1. Air Products and Chemicals, Inc., has filed a report of waste discharge and has applied for a permit to discharge wastes under the National Pollutant Discharge Elimination System.

2. Air Products and Chemicals, Inc., operates a liquid hydrogen production plant at 23320 South Alameda Street, Carson, California, and discharges up to 56,000 gallons per day of wastes consisting of cooling tower bleed-off, boiler blowdown, and wash water from concrete-paved operating areas directly into Dominguez Channel, a water of the United States, near Sepulveda Boulevard, within the tidal prism.

3. Air Products and Chemicals, Inc., is operating under requirements adopted by this Board on February 21, 1968, (Resolution No. 68-4)

4. The Board adopted an Interim Water Quality Control Plan for Santa Clara and Los Angeles River Basins on June 10, 1971, and updated that Plan on December 13, 1972. The Interim Plan contains water quality objectives for Dominguez Channel tidal prism.

5. The beneficial uses of the receiving waters are: non-water-contact recreation and marine habitat.

6. Effluent limitation standards established pursuant to Section 301 of the Federal Water Pollution Control Act and amendments thereto are applicable to the discharge.

The Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for this discharge and has provided them with an opportunity to submit their written views and recommendations.

The Board in a public hearing heard and considered all comments pertaining to the discharge and to the tentative requirements.

This Order shall serve as a National Pollutant Discharge Elimination System permit pursuant to Section 402 of the Federal Water Pollution Control Act, or amendments thereto, and shall take effect at the end of ten days from the date of its adoption, provided the Regional Administrator, EPA, has no objections.

IT IS HEREBY ORDERED, that Air Products and Chemicals, Inc.,

in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder, and the provisions of the Federal Water Pollution Control Act and regulations and guidelines adopted thereunder, shall comply with the following:

A. Effluent Limitations

1. Wastes discharged shall be limited to cooling tower bleed-off, boiler blowdown, and floor wash water, as proposed.

2. The discharge of an effluent in excess of the following limits is prohibited:

Constituent	Discharge Rate (lbs/day) Maximum Daily	30-Day Average	Concentration Limit (mg/l) Average	Maximum
Suspended solids	35	23.4	50	75
Settleable solids	--	----	0.1*	0.2*
COD	30	30	---	---
Oil and grease	7.0	4.67	10	15
Total chromium	4.67×10^{-3}	2.34×10^{-3}	0.005	0.01
Phenols	0.093	0.047	0.1	0.2

* In ml/l

3. The daily discharge rate shall be obtained from the following calculation for any calendar day:

$$\text{Daily discharge rate} = \frac{8.34}{N} \sum_{1}^{N} Q_i \, C_i$$

in which N is the number of samples analyzed in any calendar day. Q_i and C_i are the flow rate (MGD) and the constituent concentration (mg/l) respectively, which are associated with each of the N grab samples which may be taken in any calendar day. If a composite sample is taken, C_i is the concentration measured in the composite sample and Q_i is the average flow rate occurring during the period over which samples are composited.

4. The 30-day average discharge rate shall be the arithmetic average of all the values of daily discharge rate calculated using the results of analyses of all samples collected during any 30 consecutive calendar day period. If fewer than four samples are collected and analyzed during any 30 consecutive calendar day period, compliance with the 30-day average rate limitation shall not be determined.

5. The pH of wastes discharged shall at all times be within the range 6.5 to 9.0.

6. The temperature of wastes discharged shall not exceed 100°F.

7. Wastes discharged shall not contain visible oil or grease, and shall not cause the appearance of grease, oil or oily slick, or foam in the receiving waters or on channel banks, walls, inverts or other structures.

8. Wastes discharged shall not cause the formation of sludge deposits.

9. Neither the disposal nor any handling of waste shall cause pollution or nuisance.

10. Wastes discharged shall not damage flood control structures or facilities.

11. This discharge shall not cause a violation of any applicable water quality standard for receiving waters adopted by the Regional Board or the State Water Resources Control Board as required by the Federal Water Pollution Control Act and regulations adopted thereunder. If more stringent applicable water quality standards are promulgated or approved pursuant to Section 303 of the Federal Water Pollution Control Act, or amendments thereto, the Board will revise and modify this Order in accordance with such more stringent standards.

12. The discharge of wastes shall not cause the presence of nutrients in concentrations which would result in undue proliferation of plankton or other undesirable biotic growth.

B. Provisions

1. This Order includes the following items of the attached "Standard Provisions": 1, 2, 4, 5, 6, 7, 8, 9, 10 and 11.

2. This Order includes the following items of the attached "Reporting Requirements": 1, 5, and 8.

3. This Order includes the attached "General Monitoring and Reporting Provisions."

4. This Order expires on July 31, 1978, and the discharger must file a Report of Waste Discharge in accordance with Title 23, California Administrative Code, not later than 180 days in advance of such date as application for issuance of new waste discharge requirements.

5. A copy of these waste discharge specifications shall be maintained at the discharge facility so as to be available at all times to operating personnel.

6. In the event of any change in name, ownership, or control of these waste disposal facilities, the discharger shall notify this Board of such change and shall notify the succeeding owner or operator of the existence of this Order by letter, copy of which shall be forwarded to the Board.

7. Any discharge of wastes at any point(s) other than specifically described in this permit is prohibited, and constitutes a violation of the permit.

8. Resolution No. 68-4, adopted by this Board on February 21, 1968, is hereby rescinded.

I, Raymond M. Hertel, Executive Officer, do hereby certify that the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, Los Angeles Region, on November 18, 1974.

Raymond M. Hertel

RAYMOND M. HERTEL, Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

LOS ANGELES REGION

STANDARD PROVISIONS

1. The requirements prescribed herein do not authorize the commission of any act causing injury to the property of another, nor protect the discharger from his liabilities under federal, state, or local laws, nor guarantee the discharger a capacity right in the receiving waters.

2. The discharge of any radiological, chemical, or biological warfare agent or high level radiological waste is prohibited.

3. The discharger shall require any industrial user of the treatment works to comply with applicable service charges and toxic and pretreatment standards promulgated in accordance with Sections 204(b), 307, and 308 of the Federal Water Pollution Control Act or amendments thereto. The discharger shall require each individual user to submit periodic notice (over intervals not to exceed nine months) of progress toward compliance with applicable toxic and pretreatment standards developed pursuant to the Federal Water Pollution Control Act or amendments thereto. The discharger shall forward a copy of such notice to the Board and the Regional Administrator.

4. The discharger shall permit the Regional Board:

   (a) Entry upon premises in which an effluent source is located or in which any required records are kept;

   (b) Access to copy any records required to be kept under terms and conditions of this Order;

   (c) Inspection of monitoring equipment or records, and

   (d) Sampling of any discharge.

5. All discharges authorized by this Order shall be consistent with the terms and conditions of this Order. The discharge of any pollutant more frequently than or at a level in excess of that identified and authorized by this Order shall constitute a violation of the terms and conditions of this Order.

6. The discharger shall maintain in good working order and operate as efficiently as possible any facility or control system installed by the discharger to achieve compliance with the waste discharge requirements.

7. Collected screenings, sludges, and other solids removed from liquid wastes shall be disposed of at a legal point of disposal, and in accordance with the provisions of Division 7.5 of the California Water Code. For the purpose of this requirement, a legal point of disposal is defined as one for which waste discharge requirements have been prescribed by a regional water quality control board and which is in full compliance therewith.

8. After notice and opportunity for a hearing, this Order may be terminated or modified for cause, including, but not limited to:

   (a) Violation of any term or condition contained in this Order;

   (b) Obtaining this Order by misrepresentation, or failure to disclose all relevant facts;

   (c) A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.

9. If a toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) is established under Section 307(a) of the Federal Water Pollution Control Act, or amendments thereto, for a toxic pollutant which is present in the discharge authorized herein and such standard or prohibition is more stringent than any limitation upon such pollutant in this Order, the Board will revise or modify this Order in accordance with such toxic effluent standard or prohibition and so notify the discharger.

10. There shall be no discharge of harmful quantities of oil or hazardous substances, as specified by regulation adopted pursuant to Section 311 of the Federal Water Pollution Control Act, or amendments thereto.

11. In the event the discharger is unable to comply with any of the conditions of this Order due to:

   (a) breakdown of waste treatment equipment;

   (b) accidents caused by human error or negligence; or

   (c) other causes such as acts of nature,

   the discharger shall notify the Executive Officer by telephone as soon as he or his agents have knowledge of the incident and confirm this notification in writing within two weeks of the telephone notification. The written notification shall include pertinent information explaining reasons for the non-compliance and shall indicate what steps were taken to correct the problem and the dates thereof, and what steps are being taken to prevent the problem from recurring.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

LOS ANGELES REGION

REPORTING REQUIREMENTS

1. The discharger shall file with the Board technical reports on self-monitoring work performed according to the detailed specifications contained in any Monitoring and Reporting Programs as directed by the Executive Officer.

2. The discharger shall file a written report with the Board within 90 days after the average dry-weather waste flow for any month equals or exceeds 75 percent of the design capacity of his waste treatment and/or disposal facilities. The discharger's senior administrative officer shall sign a letter which transmits that report and certifies that the policy-making body is adequately informed about it. The report shall include:

   Average daily flow for the month, the date on which the instantaneous peak flow occurred, the rate of that peak flow, and the total flow for that day.

   The discharger's best estimate of when the average daily dry-weather flow rate will equal or exceed the design capacity of his facilities.

   The discharger's intended schedule for studies, design, and other steps needed to provide additional capacity for his waste treatment and/or disposal facilities before the waste flow rate equals the capacity of present units. (Reference: Sections 13260, 13267(b), and 13268, California Water Code.)

3. The discharger shall notify the Board not later than 120 days in advance of implementation of any plans to alter production capacity of the product line of the manufacturing, producing or processing facility by more than ten percent. Such notification shall include estimates of proposed production rate, the type of process, and projected effects on effluent quality. Notification shall include submittal of a new report of waste discharge and appropriate filing fee.

4. The discharger shall notify the Board of (a) new introduction into such works of pollutants from a source which would be a new source as defined in Section 306 of the Federal Water Pollution Control Act, or amendments thereto, if such source were discharging pollutants to the waters of the United States, (b) new introductions of pollutants into such works from a source which would be subject to Section 301 of the Federal Water Pollution Control Act, or amendments thereto, if it were discharging such pollutants to the waters of the United States, (c) a substantial change in the volume or character of pollutants being introduced into such works by a source introducing pollutants into such works at the time the waste discharge requirements were adopted. Notice shall include a description of the quantity and quality of pollutants and the impact of such change on the quantity and quality of effluent from such publicly owned treatment works. A substantial change in volume is considered an increase of ten percent in the mean dry-weather flow rate. The discharger shall forward a copy of such notice directly to the Regional Administrator.

5. The discharger shall file with the Board a report on waste discharge at least 120 days before making any material change or proposed change in the character, location or volume of the discharge.

6. This Board requires the discharger to file with the Board, within 90 days after the effective date of this Order, a technical report on his preventive (fail-safe) and contingency (cleanup) plans for controlling accidental discharges, and for minimizing the effect of such events. The technical report should:

   Identify the possible sources of accidental loss, untreated waste bypass, and contaminated drainage. Loading and storage areas, power outage, waste treatment unit outage, and failure of process equipment, tanks and pipes should be considered.

   Evaluate the effectiveness of present facilities and procedures and state when they became operational.

   Describe facilities and procedures needed for effective preventive and contingency plans.

   Predict the effectiveness of the proposed facilities and procedures and provide an implementation schedule containing interim and final dates when they will be constructed, implemented, or operational. (Reference: Sections 13267(b) and 13268, California Water Code.

   This Board, after review of the technical report, may establish conditions which it deems necessary to control accidental discharges and to minimize the effects of such events. Such conditions may be incorporated as part of this Order, upon notice to the discharger.

7. The discharger shall submit to the Board, by January 30 of each year, an annual summary of the quantities of all chemicals, listed by both trade and chemical names, which are used for cooling and/or boiler water treatment and which are discharged.

8. The discharger shall submit to the Board, together with the first monitoring report required by this permit, a list of all chemicals and proprietary additives which could affect this waste discharge, including quantities of each. Any subsequent changes in types and/or quantities shall be reported promptly.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

LOS ANGELES REGION

GENERAL MONITORING AND REPORTING PROVISIONS

GENERAL PROVISIONS FOR SAMPLING AND ANALYSIS

Unless otherwise noted, all sampling, sample preservation, and analyses shall be conducted in accordance with the current edition of "Standard Methods for the Examination of Water and Wastewater" or as approved by the Executive Officer.

All analyses shall be performed in a laboratory approved by the Executive Officer.

Effluent samples shall be taken downstream of any addition to the treatment works and prior to mixing with the receiving waters.

The discharger shall calibrate and perform maintenance procedures on all monitoring instruments and equipment to insure accuracy of measurements, or shall insure that both activities will be conducted.

A grab sample is defined as an individual sample collected in fewer than 15 minutes.

A composite sample is defined as a combination of no fewer than eight individual samples obtained over the specified sampling period. The volume of each individual sample is proportional to the discharge flow rate at the time of sampling. The sampling period shall equal the discharge period, or 24 hours, whichever period is shorter.

GENERAL PROVISIONS FOR REPORTING

For every item where the requirements are not met, the discharger shall submit a statement of the actions undertaken or proposed which will bring the discharge into full compliance with requirements at the earliest time and submit a timetable for correction.

By January 30 of each year, the discharger shall submit an annual report to the Board. The report shall contain both tabular and graphical summaries of the monitoring data obtained during the previous year. In addition, the discharger shall discuss the compliance record and the corrective actions taken or planned which may be needed to bring the discharge into full compliance with the waste discharge requirements.

The discharger shall maintain all sampling and analytical results, including strip charts; date, exact place, and time of sampling; date analyses were performed; analyst's name; analytical techniques used; and results of all analyses. Such records shall be retained for a minimum of three years. This period of retention shall be extended during the course of any unresolved litigation regarding this discharge or when requested by the Board.

Monitoring reports shall be signed by:

a. In the case of corporations, by a principal executive officer at least of the level of vice-president or his duly authorized representative, if such representative is responsible for the overall operation of the facility from which discharge originates;

b. In the case of a partnership, by a general partner;

c. In the case of a sole proprietorship, by the proprietor;

d. In the case of municipal, state or other public facility, by either a principal executive officer, ranking elected official, or other duly authorized employee.

The discharger shall mail a copy of each monitoring report to:

Regional Administrator
Environmental Protection Agency
Region IX
100 California Street
San Francisco, CA 94111

Each report shall contain the following completed declaration:

"I declare under penalty of perjury that the foregoing is true and correct.

Executed on the _____day of _____ at _____.

_____(Signature)

_____(Title)"

In reporting the monitoring data, the discharger shall arrange the data in tabular form so that the date, the constituents, and the concentrations are readily discernible. The data shall be summarized to demonstrate compliance with waste discharge requirements, and, where applicable, shall include results of receiving water observations.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION
MONITORING AND REPORTING PROGRAM NO. 5422
FOR
AIR PRODUCTS AND CHEMICALS, INC.
(CA0003085)

The discharger shall implement this monitoring program within 60 days of the effective date of this Order. The first monitoring report under this program is due by April 15, 1975.

Monitoring reports shall be submitted by the dates in the following schedule:

Reporting Period	Report Due
January - March	April 15
April - June	July 15
July - September	October 15
October - December	January 15

If no flow occurred during the quarter the report shall so state.

Effluent Monitoring

A sampling station shall be established for each point of discharge and shall be located where representative samples of that effluent can be obtained. The following shall constitute the effluent monitoring program:

Constituent	Units	Type of Sample	Minimum Frequency of Analysis
pH	pH units	grab	quarterly
Temperature	^{o}F	grab	monthly
Total waste flow	gal/day	----	monthly
Suspended solids	mg/l	grab	quarterly
Settleable solids	ml/l	grab	quarterly
COD	lbs/day	grab	quarterly
Oil and grease*	mg/l	grab	quarterly
Total chromium**	mg/l	grab	quarterly
Phenols	mg/l	grab	quarterly
Sulfide	mg/l	grab	quarterly

* By the trichlorotrifluoroethane extraction method.

** A statement certifying that no chromium compounds were used during the reporting period may be submitted in lieu of this analysis.

Operation and Maintenance Report

The discharger shall file a technical report with this Board not later than 30 days after receipt of this permit, relative to the operation and maintenance program for this waste disposal facility. The information to be contained in that report shall include, as a minimum, the following:

a. The name and address of the person or company responsible for operation and maintenance of the facility.

b. Type of maintenance (preventive or corrective).

c. Frequency of maintenance, if preventive.

Ordered by Raymond M. Hertel
Executive Officer

NOV 18 1974
Date

I-5385

Air Products and Chemicals, Inc.
Box 538, Allentown, PA 18105
(215) 398-4911

4 October 1979

Mr. Carl Sjoberg
Department of County Engineer - Facilities
Cashier - Room 604
550 South Vermont Avenue
Los Angeles, CA 90020

Re: Permit No. 03113
Air Products and Chemicals, Inc.
Long Beach, CA Facility

Dear Mr. Sjoberg:

Enclosed is a check representing payment of the Annual (1979) Industrial Waste Inspection Fee for the above referenced facility. Please note that per your telephone conversation with Mr. Wayne Knecht of our Long Beach facility, the payment is $25.00, not $100.00 as indicated on the invoice.

Very truly yours,

AIR PRODUCTS AND CHEMICALS, INC.

Betsy A. Kester

Betsy A. Kester
Enviornmental Engineer

BAK:mbg

Enclosure

CWS

STATE OF CALIFORNIA—RESOURCES AGENCY

EDMUND G. BROWN JR., Governor

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD—
LOS ANGELES REGION

107 SOUTH BROADWAY, SUITE 4027
LOS ANGELES, CALIFORNIA 90012
(213) 620-4460

I-5385

June 24, 1983

RECEIVED
JUN 28 1983
L. A. COUNTY ENGINEER
SANITATION DIVISION

Air Products and Chemicals, Inc.
23320 South Alameda Street
Long Beach, California 90810

ATTENTION: Mr. R.L. Shadman, Plant Manager

RE: Tentative Waste Discharge Requirements (NPDES Permit No. CA0003085)

Gentlemen:

Reference is made to your completed application to this Board for a permit to discharge wastes under the National Pollutant Discharge Elimination System (NPDES).

Pursuant to the Federal Water Pollution Control Act, as amended in 1977, and in accordance with the California Administrative Code, tentative waste discharge requirements have been prepared.

Enclosed are copies of the tentative requirements, consisting of:

a. Board Order
b. Standard Provisions
c. Reporting Requirements
d. General Monitoring and Reporting Provisions
e. Monitoring and Reporting Program

In accordance with administrative procedures, this Board at a public hearing to be held on July 25, 1983, at 10:00 a.m., 107 South Broadway, Room 1138, Los Angeles, California, will consider the enclosed tentative requirements and comments submitted in writing regarding any or all portions thereof. The Board will hear any testimony pertinent to this discharge and the tentative requirements. It is expected that the Board will take action at the hearing; however, as testimony indicates, the Board at its discretion may order further investigation.

Any comments that any person has with respect to this tentative Order must be received by July 11, 1983, in order to be included in the Board's agenda folder. However, comments received after that date will still be considered by this Board.

If you have any questions, please call us.

Very truly yours,

Lawrence A. Thyerson
for RAYMOND M. HERTEL
Executive Officer

cc: See attached mailing list

Enclosures

Attached mailing list

cc: Environmental Protection Agency, Region IX,
Regional Administrator, ATTN: Permits Branch
United States Army Corps of Engineers
State Water Resources Control Board, Division of Technical Services, ATTN: Pettit
Department of Fish and Game, Marine Resources Region
Department of Health, Water Sanitation Section
Department of Water Resources
Los Angeles County Flood Control District
County of Los Angeles, Department of Health Services
City of Carson
NOAA, National Marine Fisheries Service
Los Angeles County Engineer, Project Planning and Pollution Control Division

State of California
Resources Agency
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD, LOS ANGELES REGION

ORDER NO. _____

NPDES NO. CA0003085

WASTE DISCHARGE REQUIREMENTS
FOR
AIR PRODUCTS AND CHEMICALS, INC.

The California Regional Water Quality Control Board, Los Angeles Region, finds:

1. Air Products and Chemicals, Inc. discharges wastes under waste discharge requirements contained in Order 78-53 (NPDES No. CA0003085) adopted by this Board on May 22, 1978.

2. Air Products and Chemicals, Inc. has filed a report of waste discharge and has applied for renewal of its waste discharge requirements and National Pollutant Discharge Elimination System permit.

3. Air Products and Chemicals, Inc. operates a liquid hydrogen production plant at 23320 South Alameda Street, Carson, California, and discharges up to 50,000 gallons per day of cooling tower bleed-off, boiler blowdown, and wash water from concrete-paved operating areas directly into Dominguez Channel, a water of the United States, at a point about 1,500 feet downstream from Alameda Street, within the Fidal prism.

4. The Board adopted a revised Water Quality Control Plan for Los Angeles River Basin on March 27, 1978. The Plan contains water quality objectives for Dominguez Channel. The requirements contained in this Order as they are met will be in conformance with the goals of Water Quality Control Plan.

5. The beneficial uses of the receiving waters are non-contact recreation, preservation of rare and endangered species, marine habitat and saline water habitat.

6. Effluent limitation standards established pursuant to Section 301 of the Federal Water Pollution Control Act and amendments thereto are applicable to the discharge.

7. The issuance of waste discharge requirements for this discharge is exempt from the provisions of Chapter 3 (commencing with Section 21100) of the Division 13, of the Public Resources Code in accordance with Water Code Section 13389.

TENTATIVE

The Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for this discharge and has provided them with an opportunity to submit their written views and recommendations.

The Board in a public hearing heard and considered all comments pertaining to the discharge and to the tentative requirements.

This Order shall serve as a National Pollutant Discharge Elimination System permit pursuant to Section 402 of the Federal Water Pollution Control Act, or amendments thereto, and shall take effect at the end of ten days from the date of its adoption, provided the Regional Administrator, EPA, has no objections.

IT IS HEREBY ORDERED, that Air Products and Chemicals, Inc.,

in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder, and the provisions of the Federal Water Pollution Control Act and regulations and guidelines adopted thereunder, shall comply with the following:

A. Effluent Limitations

1. The discharge of an effluent in excess of the following limits is prohibited:

		Discharge Limitations	
Constituent	Unit	30-Day Average	Maximum
Suspended solids	mg/l	50	150
	lbs/day*	20.85	62.6
Settleable solids	ml/l	0.1	0.3
COD	lbs/day*	30.0	30.0
Oil and grease	mg/l	10	15
	lbs/day*	4.17	6.26
Residual chlorine	mg/l	-	0.1

*Based on discharge flow of 50,000 gallons per day.

TENTATIVE

3. The daily discharge rate shall be obtained from the following calculation for any calendar day:

$$\text{Daily discharge rate} = \frac{8.34}{N} \sum_{1}^{N} Q_i C_i$$

in which N is the number of samples analyzed in any calendar day. Q_i and C_i are the flow rate (MGD) and the constituent concentration (mg/l) respectively, which are associated with each of the N grab samples which may be taken in any calendar day. If a composite sample is taken, C_i is the concentration measured in the composite sample and Q_i is the average flow rate occurring during the period over which samples are composited.

4. The 30-day average shall be the arithmetic average of all the daily values calculated using the results of analyses of all samples collected during any 30 consecutive calendar day period. If fewer than four samples are collected and analyzed during any 30 consecutive calendar day period, compliance with the 30-day average limitation shall not be determined.

5. The pH of wastes discharged shall at all times be within the range 6.0 to 9.0.

6. The temperature of wastes discharged shall not exceed 100°F.

7. Wastes discharged shall not contain visible oil or grease, and shall not cause the appearance of grease, oil or oily slick, or persistent foam in the receiving waters or on channel banks, walls, inverts or other structures.

8. Wastes discharged shall not cause the formation of sludge deposits.

9. Neither the disposal nor any handling of waste shall cause pollution or nuisance.

10. Wastes discharged shall not damage flood control structures or facilities.

11. This discharge shall not cause a violation of any applicable water quality standard for receiving waters adopted by the Regional Board or the State Water Resources Control Board as required by the Federal Water Pollution Control Act and regulations adopted thereunder. If more stringent applicable water quality standards are promulgated or approved pursuant to Section 303 of the Federal Water Pollution Control Act, or amendments thereto, the Board will revise and modify this Order in accordance with such more stringent standards.

12. Wastes discharged shall not contain any substances in concentrations toxic to human, animal, plant, or aquatic life.

13. Petroleum products, chemicals, and refuse and other wastes shall not be stored or placed where they will be picked up by rainfall and discharged to surface waters.

TENTATIVE

B. Provisions

1. This Order includes the following items of the attached "Standard Provisions": 1,2,4,5,6,7,8,9, and 11.

2. This Order includes the following items of the attached "Reporting Requirements": 1,5 and 8.

3. This Order includes the attached "General Monitoring and Reporting Provisions."

4. This Order expires on July 10, 1988, and the discharger must file a Report of Waste Discharge in accordance with Title 23, California Administrative Code, not later than 180 days in advance of such date as application for issuance of new waste discharge requirements.

5. A copy of these waste discharge specifications shall be maintained at the discharge facility so as to be available at all times to operating personnel.

6. In the event of any change in name, ownership, or control of these waste disposal facilities, the discharger shall notify this Board of such change and shall notify the succeeding owner or operator of the existence of this Order by letter, copy of which shall be forwarded to the Board.

7. Any discharge of wastes at any point(s) other than specifically described in this permit is prohibited, and constitutes a violation of the permit.

8. This order may be modified, or, alternatively, revoked and reissued, to comply with any applicable effluent limitation issued pursuant to the order the United States District Court for the District of Columbia issued on June 8, 1976, in Natural Resources Defense Council, Inc. et al. v. Russell E. Train, 8 ERC 2120 (D.D.C. 1976), if the effluent limitation so issued:

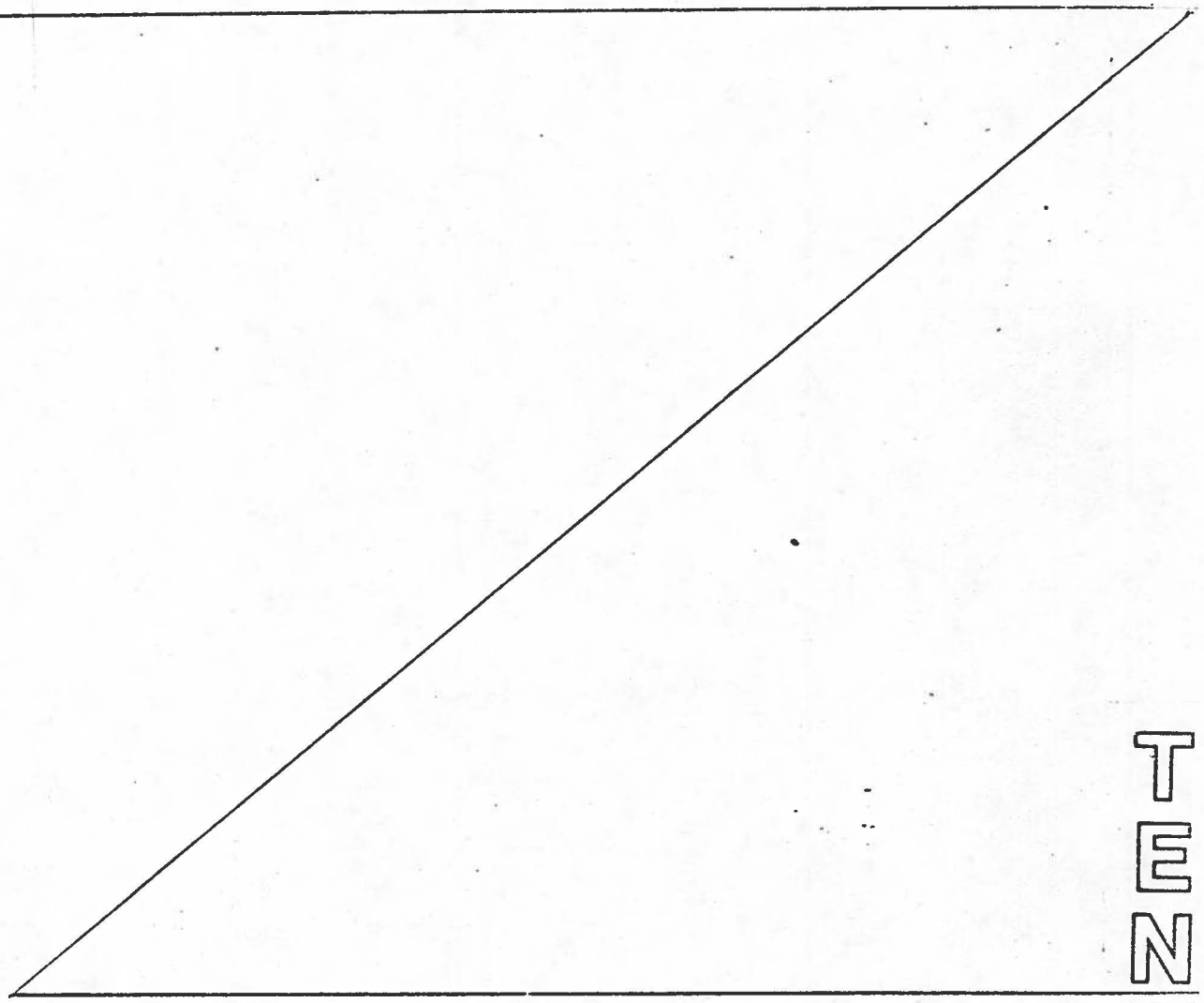
   (1) is different in conditions or more stringent than any effluent limitation in this order; or

   (2) controls any pollutant not limited in this order.

9. These requirements do not exempt the operator of this waste disposal facility from compliance with any other laws, regulations, or ordinances which may be applicable; they do not legalize this waste disposal facility, and they leave unaffected any further restraint on the disposal of wastes at this site which may be contained in other statutes or required by other agencies.

10. Order No. 78-53 adopted by this Board on May 22, 1978, is hereby rescinded.

TENTATIVE



I, Raymond M. Hertel, Executive Officer, do hereby certify that the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, Los Angeles Region, on July 25, 1983.

RAYMOND M. HERTEL, Executive Officer

TENTATIVE

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

LOS ANGELES REGION

CA 0003085

STANDARD PROVISIONS

TENTATIVE

1. The requirements prescribed herein do not authorize the commission of any act causing injury to the property of another, nor protect the discharger from his liabilities under federal, state, or local laws, nor guarantee the discharger a capacity right in the receiving waters.

2. The discharge of any radiological, chemical, or biological warfare agent or high level radiological waste is prohibited.

3. The discharger shall require any industrial user of the treatment works to comply with applicable service charges and toxic and pretreatment standards promulgated in accordance with Sections 204(b), 307, and 308 of the Federal Water Pollution Control Act or amendments thereto. The discharger shall require each individual user to submit periodic notice (over intervals not to exceed nine months) of progress toward compliance with applicable toxic and pretreatment standards developed pursuant to the Federal Water Pollution Control Act or amendments thereto. The discharger shall forward a copy of such notice to the Board and the Regional Administrator.

4. The discharger shall permit the Regional Board:

   (a) Entry upon premises in which an effluent source is located or in which any required records are kept;

   (b) Access to copy any records required to be kept under terms and conditions of this Order;

   (c) Inspection of monitoring equipment or records, and

   (d) Sampling of any discharge.

5. All discharges authorized by this Order shall be consistent with the terms and conditions of this Order. The discharge of any pollutant more frequently than or at a level in excess of that identified and authorized by this Order shall constitute a violation of the terms and conditions of this Order.

6. The discharger shall maintain in good working order and operate as efficiently as possible any facility or control system installed by the discharger to achieve compliance with the waste discharge requirements.

7. Collected screening, sludges, and other solids removed from liquid wastes shall be disposed of at a legal point of disposal, and in accordance with the provisions of Division 7.5 of the California Water Code. For the purpose of this requirement, a legal point of disposal is defined as one for which waste discharge requirements have been prescribed by a regional water quality control board and which is in full compliance therewith.

8. After notice and opportunity for a hearing, this Order may be terminated or modified for cause, including, but not limited to:

   (a) Violation of any term or condition contained in this Order;

   (b) Obtaining this Order by misrepresentation, or failure to disclose all relevant facts;

   (c) A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.

9. If a toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standards or prohibition) is established under Section 307(a) of the Federal Water Pollution Control Act, or amendments thereto, for a toxic pollutant which is present in the discharge authorized herein and such standard or prohibition is more stringent than any limitation upon such pollutant in this Order, the Board will revise or modify this Order in accordance with such toxic effluent standard or prohibition and so notify the discharger.

10. There shall be no discharge of harmful quantities of oil or hazardous substances, as specified by regulation adopted pursuant to Section 311 of the Federal Water Pollution Control Act, or amendments thereto.

11. In the event the discharger is unable to comply with any of the conditions of this Order due to:

   (a) breakdown of waste treatment equipment;

   (b) accidents caused by human error or negligence; or

   (c) other causes such as acts of nature,

   the discharger shall notify the Executive Officer by telephone as soon as he or his agents have knowledge of the incident and confirm this notification in writing within two weeks of the telephone notification. The written notification shall include pertinent information explaining reasons for the non-compliance and shall indicate what steps were taken to correct the problem and the dates thereof, and what steps are being taken to prevent the problem from recurring.

12. Supervisors and operators of publicly owned wastewater treatment plants shall possess a certificate of appropriate grade in accordance with regulations adopted by the State Water Resources Control Board.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

LOS ANGELES REGION

CA 0003085

REPORTING REQUIREMENTS

1. The discharger shall file with the Board technical reports on self-monitoring work performed according to the detailed specifications contained in any Monitoring and Reporting Programs as directed by the Executive Officer.

2. The discharger shall file a written report with the Board within 90 days after the average dry-weather waste flow for any month equals or exceeds 75 percent of the design capacity of his waste treatment and/or disposal facilities. The discharger's senior administrative officer shall sign a letter which transmits that report and certifies that the policy-making body is adequately informed about it. The report shall include:

   Average daily flow for the month, the date on which the instantantaneous peak flow occurred, the rate of that peak flow, and the total flow for that day.

   The discharger's best estimate of when the average daily dry-weather flow rate will equal or exceed the design capacity of his facilities.

   The discharger's intended schedule for studies, design, and other steps needed to provide additional capacity for his waste treatment and/or disposal facilities before the waste flow rate equals the capacity of present units. (Reference: Sections 13260, 13267(b), and 13268, California Water Code).

3. The discharger shall notify the Board not later than 120 days in advance of implementation of any plans to alter production capacity of the product line of the manufacturing, producing or processing facility by more than ten percent. Such notification shall include estimates of proposed production rate, the type of process, and projected effects on effluent quality. Notification shall include submittal of a new report of waste discharge and appropriate filing fee.

4. The discharger shall notify the Board of (a) new introduction into such works of pollutants from a source which would be a new source as defined in Section 306 of the Federal Water Pollution Control Act, or amendments thereto, if such source were discharging pollutants to the waters of the United States, (b) new introductions of pollutantsinto such works from a source which would be subject to Section 301 of the Federal Water Pollution Control Act, or amendments thereto, if substantial change in the volume or character of pollutants being introduced into such works by a source introducing pollutants into such works at the time the waste discharge requirements were adopted. Notice shall include a description of the quantity and quality of pollutants and the impact of such change on the substantial change in volume is considered an increase of ten percent in the mean dry-weather flow rate. The discharger shall forward a copy of such notice directly to the Regional Administrator.

5. The discharger shall file with the Board a report on waste discharge at least 120 days before making any material change or proposed change in the character, location or volume of the discharge.

6. This Board requires the discharger to file with the Board, within 90 days after the effective date of this Order, a technical report on his preventive (failsafe) and contingency (cleanup) plans for controlling accidental discharges, and for minimizing the effect of such events. The technical report should:

   Identify the possible sources of accidental loss, untreated waste bypass, and contaminated drainage. Loading and storage areas, power outage, waste treatment unit outage, and failure of process equipment, tanks and pipes should be considered.

   Evalulate the effectiveness of present facilities and procedures and state when they became operational.

   Describe facilities and procedures needed for effective preventive and contingency plans.

   Predict the effectiveness of the proposed facilities and procedures and provide an implementation schedule containing interim and final dates when they will be constructed, implemented, or operational. (Reference: Sections 13267(b) and 13268, California Water Code.

   This Board, after review of the technical report, may establish conditions which it deems necessary to control accidental discharges and to minimize the effects of such events. Such conditions may be incorporated as part of this Order, upon notice to the discharger.

7. The discharger shall submit to the Board, by January 30 of each year, an annual summary of the quantities of all chemicals, listed by both trade and chemical names, which are used for cooling and/or boiler water treatment and which are discharged.

8. The discharger shall submit to the Board, together with the first monitoring report required by this permit, a list of all chemicals and proprietary additives which could affect this waste discharge, including quantities of each. Any subsequent changes in types and/or quantities shall be reported promptly.

CA 0003085

TENTATIVE

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION

GENERAL MONITORING AND REPORTING PROVISIONS

GENERAL PROVISIONS FOR SAMPLING AND ANALYSIS

All sampling, sample preservation, and analyses shall be performed in accordance with the latest edition of "Guidelines Establishing Test Procedures for Analysis of Pollutants", promulgated by the United States Environmental Protection Agency.

All chemical, bacteriological, and bioassay analyses shall be conducted at a laboratory certified for such analyses by the State Department of Health.

Effluent samples shall be taken downstream of any addition to the treatment works and prior to mixing with the receiving waters.

The discharger shall calibrate and perform maintenance procedures on all monitoring instruments and equipment to insure accuracy of measurements, or shall insure that both activities will be conducted.

A grab sample is defined as an individual sample collected in fewer than 15 minutes.

A composite sample is defined as a combination of no fewer than eight individual samples obtained over the specified sampling period. The volume of each individual sample is proportional to the discharge flow rate at the time of sampling. The sampling period shall equal the discharge period, or 24 hours, whichever period is shorter.

GENERAL PROVISIONS FOR REPORTING

For every item where the requirements are not met, the discharger shall submit a statement of the actions undertaken or proposed which will bring the discharge into full compliance with requirements at the earliest time and submit a timetable for correction.

By January 30 of each year, the discharger shall submit an annual report to the Board. The report shall contain both tabular and graphical summaries of the monitoring data obtained during the previous year. In addition, the discharger shall discuss the compliance record and the corrective actions taken or planned which may be needed to bring the discharge into full compliance with the waste discharge requirements.

The discharger shall maintain all sampling and analytical results, including strip charts; date, exact place, and time of sampling; date analyses were performed; analyst's name; analytical techniques used; and results of all analyses. Such records shall be retained for a minimum of three years. This period of retention shall be extended during the course of any unresolved litigation regarding this discharge or when requested by the Board.

(Revised 8/1/75)

TENTATIVE

In reporting the monitoring data, the discharger shall arrange the data in tabular form so that the date, the constituents, and the concentrations are readily discernible. The data shall be summarized to demonstrate compliance with waste discharge requirements and, where applicable, shall include results of receiving water observations.

Monitoring reports shall be signed by:

a. In the case of corporations, by a principal executive officer at least of the level of vice-president or his duly authorized representative, if such representative is responsible for the overall operation of the facility from which discharge originates;

b. In the case of a partnership, by a general partner;

c. In the case of a sole proprietorship, by the proprietor;

d. In the case of municipal, state or other public facility, by either a principal executive officer, ranking elected official, or other duly authorized employee.

Each report shall contain the following completed declaration:

"I declare under penalty of perjury that the foregoing is true and correct.

Executed on the _____ day of _____ at _____

_____(Signature)

_____(Title)"

The discharger shall mail a copy of each monitoring report to the following:

California Regional Water Quality
Control Board - Los Angeles Region
107 South Broadway, Room 4027
Los Angeles, CA 90012

ATTN: Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION
MONITORING AND REPORTING PROGRAM NO. 5422

FOR

AIR PRODUCTS AND CHEMICALS, INC.
(CA0003085)

The discharger shall implement this monitoring program on the effective date of this Order. The first monitoring report under this program is due by July 15, 1983.

Monitoring reports shall be submitted by the dates in the following schedule:

Reporting Period	Report Due
January - March	April 15
April - June	July 15
July - September	October 15
October - December	January 15

If no flow occurred during the quarter the report shall so state.

Each monitoring report must affirm in writing that:

> All analyses were conducted at a laboratory certified for such analyses by the State Department of Health and in accordance with current EPA guideline procedures or as specified in the Monitoring Program.

For any analysis performed for which no procedure is specified in the EPA guidelines or in this Monitoring Program, the constituent or parameter analyzed and the method or procedure used must be specified in the report.

TENTATIVE

Effluent Monitoring

A sampling station shall be established for each point of discharge and shall be located where representative samples of that effluent can be obtained. The following shall constitute the effluent monitoring program:

Constituent	Units	Type of Sample	Minimum Frequency of Analysis
pH	pH units	grab	quarterly
Temperature	°F or °C	grab	monthly
Total waste flow	gal/day	----	monthly
Suspended solids	mg/l	grab	quarterly
Settleable solids	ml/l	grab	quarterly
COD	lbs/day	grab	quarterly
Oil and grease	mg/l	grab	quarterly
Residual Chlorine*	mg/l	grab	quarterly
Zinc	mg/l	grab	quarterly

* A statement that this constituent has not been added to the system may be submitted in lieu of analysis.

Demonstration of Compliance with 30-day Average Limitations

For parameters where both 30-day average and maximum limits are specified but where the monitoring frequency is less than four times a month, the following procedure shall apply. Future analyses of two successive samples yield results greater than 90% of the maximum limit for a parameter, the sampling frequency for that parameter shall be increased (within one week of receiving the laboratory result on the second sample) to a minimum of once weekly until at least four consecutive weekly samples have been obtained and compliance with the 30-day average limit has been demonstrated again and the discharger has set forth for the approval of the Executive Officer a program which ensures future compliance with the 30-day average limit.

TENTATIVE

Hauling Reports

In the event wastes are transported to a different disposal site during the reporting period, the following shall be reported.

a. Types of wastes and quantity of each type;

b. Name and either the address or the state registration number for each hauler of wastes (or the methods of transport if other than by hauling); and

c. Location of the final points of disposal for each type of waste.

If no wastes are hauled offsite during the reporting period, a statement to that effect shall be submitted.

Ordered by _____
Executive Officer

_____
Date

TENTATIVE

STATE OF CALIFORNIA
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD—
LOS ANGELES REGION
107 SOUTH BROADWAY, SUITE 4027
LOS ANGELES, CALIFORNIA 90012—4596
(213) 620-4460

GEORGE DEUKMEJIAN, Governor

I-5385

RECEIVED
AUG 02 1983
L. A. COUNTY ENGINEER
SANITATION DIVISION

AUG 1 - 1983

Air Products and Chemicals, Inc.
23320 South Alameda Street
Long Beach, CA 90810

ATTN: Mr. R. L. Shadman
Plant Manager

RE: Tentative Waste Discharge Requirements
(NPDES Permit No. CA0003085)

Gentlemen:

Reference is made to our letter dated June 24, 1983, which transmitted a draft of tentative requirements for your disposal of wastes to Dominguez Channel and informed you that the Board would consider the requirements at its July 25, 1983, public hearing.

At that hearing, the Board continued the consideration of your tentative requirements to a future Board hearing. You will be sent a copy of the agenda notice prior to that hearing.

If you have any questions, please call us.

Very truly yours,

Raymond M. Hertel

RAYMOND M. HERTEL
Executive Officer

cc: See Attached Mailing List

Air Products and Chemicals, Inc.

cc: Environmental Protection Agency, Region IX, ATTN: Permits Branch
U.S. Army Corps of Engineers
State Water Resources Control Board, Div. of Technical Services
ATTN: Walter Pettit
Department of Fish and Game, Marine Resources Region
Department of Health Services, Sanitary Engineering Section
Department of Water Resources
Los Angeles County, Department of Health Services
Los Angeles County Flood Control District
Los Angeles County Engineer-Facilities
NOAA, National Marine Fisheries Service
City of Carson

F-5385 CWS

STATE OF CALIFORNIA GEORGE DEUKMEJIAN, *Governor*

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD—
LOS ANGELES REGION
107 SOUTH BROADWAY, SUI 4027
LOS ANGELES, CALIFORNIA 90012-4596
(213) 620-4460

October 1 , 1983

RECEIVED
OCT 19 1983
L. A. COUNTY ENGINEER
SANITATION DIVISION

Air Products and Chemicals, Inc.
23320 South Alameda Street
Long Beach, CA 90810

Attn: Mr. R.L. Shadman, Plant Manager

RE: Waste Discharge Requirements - (NPDES No. CA0003085)

Gentlemen:

Reference is made to our letter dated June 24, 1983, which transmitted a draft of tentative requirements for your disposal of wastes to Dominguez Channel. Our letter dated August 1, 1983, informed you that the Board would consider your tentative requirements in a future Board hearing.

Revisions have been made to the tentative requirements. Enclosed is a copy of the revised tentative waste discharge requirements.

In accordance with administrative procedures, this Board at a public hearing to be held on November 28, 1983, at 10:00 a.m., 107 South Broadway, Room 1138, Los Angeles, California, will consider the revised tentative requirements and comments submitted in writing regarding any or all portions thereof. The Board will hear any testimony pertinent to this discharge and the tentative requirements. It is expected that the Board will take action at the hearing; however, as testimony indicates, the Board at its discretion may order further investigation.

Any comments that any person has with respect to this tentative Order must be received by November 14, 1983, in order to be included in the Board's agenda folder. However, comments received after that date will still be considered by this Board.

If you have any questions, please call us.

Very truly yours,

for RAYMOND M. HERTEL
Executive Officer

cc: See attached mailing list

Enclosures

CWS

Air Products and Chemical, Inc.

cc: Environmental Protection Agency, Region IX, ATTN: Permits Branch
U.S. Army Corps of Engineers
State Water Resources Control Board, Div. of Technical Services
ATTN: Walter Pettit
Department of Fish and Game, Marine Resources Region
Department of Health Services, Sanitary Engineering Section
Department of Water Resources
Los Angeles County, Department of Health Services
Los Angeles County Flood Control District
Los Angeles County Engineer-Facilities
NOAA, National Marine Fisheries Service
City of Carson

State of California
Resources Agency
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD, LOS ANGELES REGION

ORDER NO. _____

NPDES NO. CA0003085

WASTE DISCHARGE REQUIREMENTS FOR AIR PRODUCTS AND CHEMICALS, INC.

The California Regional Water Quality Control Board, Los Angeles Region, finds:

1. Air Products and Chemicals, Inc. discharges wastes under waste discharge requirements contained in Order 78-53 (NPDES No. CA0003085) adopted by this Board on May 22, 1978.

2. Air Products and Chemicals, Inc. has filed a report of waste discharge and has applied for renewal of its waste discharge requirements and National Pollutant Discharge Elimination System permit.

3. Air Products and Chemicals, Inc. operates a liquid hydrogen production plant at 23320 South Alameda Street, Carson, California, and discharges up to 50,000 gallons per day of cooling tower bleed-off, boiler blowdown, and wash water from concrete-paved operating areas directly into Dominguez Channel, a water of the United States, at a point about 1,500 feet downstream from Alameda Street, within the tidal prism.

4. The Board adopted a revised Water Quality Control Plan for Los Angeles River Basin on March 27, 1978. The Plan contains water quality objectives for Dominguez Channel. The requirements contained in this Order as they are met will be in conformance with the goals of Water Quality Control Plan.

5. The beneficial uses of the receiving waters are non-contact recreation, preservation of rare and endangered species, marine habitat and saline water habitat.

6. Effluent limitation standards established pursuant to Section 301 of the Federal Water Pollution Control Act and amendments thereto are applicable to the discharge.

7. The issuance of waste discharge requirements for this discharge is exempt from the provisions of Chapter 3 (commencing with Section 21100) of the Division 13, of the Public Resources Code in accordance with Water Code Section 13389.

TENTATIVE

Revised 10/17/83
6/23/83

The Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for this discharge and has provided them with an opportunity to submit their written views and recommendations.

The Board in a public hearing heard and considered all comments pertaining to the discharge and to the tentative requirements.

This Order shall serve as a National Pollutant Discharge Elimination System permit pursuant to Section 402 of the Federal Water Pollution Control Act, or amendments thereto, and shall take effect at the end of ten days from the date of its adoption, provided the Regional Administrator, EPA, has no objections.

IT IS HEREBY ORDERED, that Air Products and Chemicals, Inc.,

in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder, and the provisions of the Federal Water Pollution Control Act and regulations and guidelines adopted thereunder, shall comply with the following:

A. Effluent Limitations

1. The discharge of an effluent in excess of the following limits is prohibited:

		Discharge Limitations	
Constituent	Unit	30-Day Average	Maximum
Suspended solids	mg/l	50	150
	lbs/day*	20.85	62.6
Settleable solids	ml/l	0.1	0.3
COD			
	lbs/day*	30.0	30.0
Oil and grease	mg/l	10	15
	lbs/day*	4.17	6.26

*Based on discharge flow of 50,000 gallons per day.

TENTATIVE

3. The daily discharge rate shall be obtained from the following calculation for any calendar day:

$$\text{Daily discharge rate} = \frac{8.34}{N} \sum_{1}^{N} Q_i C_i$$

in which N is the number of samples analyzed in any calendar day. Q_i and C_i are the flow rate (MGD) and the constituent concentration (mg/l) respectively, which are associated with each of the N grab samples which may be taken in any calendar day. If a composite sample is taken, C_i is the concentration measured in the composite sample and Q_i is the average flow rate occurring during the period over which samples are composited.

4. The 30-day average shall be the arithmetic average of all the daily values calculated using the results of analyses of all samples collected during any 30 consecutive calendar day period. If fewer than four samples are collected and analyzed during any 30 consecutive calendar day period, compliance with the 30-day average limitation shall not be determined.

5. The pH of wastes discharged shall at all times be within the range 6.0 to 9.0.

6. The temperature of wastes discharged shall not exceed 100°F.

7. Wastes discharged shall not contain visible oil or grease, and shall not cause the appearance of grease, oil or oily slick, or persistent foam in the receiving waters or on channel banks, walls, inverts or other structures.

8. Wastes discharged shall not cause the formation of sludge deposits.

9. Neither the disposal nor any handling of waste shall cause pollution or nuisance.

10. Wastes discharged shall not damage flood control structures or facilities.

11. This discharge shall not cause a violation of any applicable water quality standard for receiving waters adopted by the Regional Board or the State Water Resources Control Board as required by the Federal Water Pollution Control Act and regulations adopted thereunder. If more stringent applicable water quality standards are promulgated or approved pursuant to Section 303 of the Federal Water Pollution Control Act, or amendments thereto, the Board will revise and modify this Order in accordance with such more stringent standards.

12. Wastes discharged shall not contain any substances in concentrations toxic to human, animal, plant, or aquatic life.

13. Petroleum products, chemicals, and refuse and other wastes shall not be stored or placed where they will be picked up by rainfall and discharged to surface waters.

14. The waste discharge to watercourses or flood control channels shall not result in residual chlorine concentrations greater than 0.1 mg/l in the receiving waters at the point of discharge.

TENTATIVE

B. Provisions

1. This Order includes the following items of the attached "Standard Provisions": 1,2,4,5,6,7,8,9, and 11.

2. This Order includes the following items of the attached "Reporting Requirements": 1,5 and 8.

3. This Order includes the attached "General Monitoring and Reporting Provisions."

4. This Order expires on November 10, 1988, and the discharger must file a Report of Waste Discharge in accordance with Title 23, California Administrative Code, not later than 180 days in advance of such date as application for issuance of new waste discharge requirements.

5. A copy of these waste discharge specifications shall be maintained at the discharge facility so as to be available at all times to operating personnel.

6. In the event of any change in name, ownership, or control of these waste disposal facilities, the discharger shall notify this Board of such change and shall notify the succeeding owner or operator of the existence of this Order by letter, copy of which shall be forwarded to the Board.

7. Any discharge of wastes at any point(s) other than specifically described in this permit is prohibited, and constitutes a violation of the permit.

8. This order may be modified, or, alternatively, revoked and reissued, to comply with any applicable effluent limitation issued pursuant to the order the United States District Court for the District of Columbia issued on June 8, 1976, in Natural Resources Defense Council, Inc. et al. v. Russell E. Train, 8 ERC 2120 (D.D.C. 1976), if the effluent limitation so issued:

   (1) is different in conditions or more stringent than any effluent limitation in this order; or

   (2) controls any pollutant not limited in this order.

9. These requirements do not exempt the operator of this waste disposal facility from compliance with any other laws, regulations, or ordinances which may be applicable; they do not legalize this waste disposal facility, and they leave unaffected any further restraint on the disposal of wastes at this site which may be contained in other statutes or required by other agencies.

10. Order No. 78-53 adopted by this Board on May 22, 1978, is hereby rescinded.

TENTATIVE

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD CA 0003085

LOS ANGELES REGION

STANDARD PROVISIONS

TENTATIVE

1. The requirements prescribed herein do not authorize the commission of any act causing injury to the property of another, nor protect the discharger from his liabilities under federal, state, or local laws, nor guarantee the discharger a capacity right in the receiving waters.

2. The discharge of any radiological, chemical, or biological warfare agent or high level radiological waste is prohibited.

3. The discharger shall require any industrial user of the treatment works to comply with applicable service charges and toxic and pretreatment standards promulgated in accordance with Sections 204(b), 307, and 308 of the Federal Water Pollution Control Act or amendments thereto. The discharger shall require each individual user to submit periodic notice (over intervals not to exceed nine months) of progress toward compliance with applicable toxic and pretreatment standards developed pursuant to the Federal Water Pollution Control Act or amendments thereto. The discharger shall forward a copy of such notice to the Board and the Regional Administrator.

4. The discharger shall permit the Regional Board:

   (a) Entry upon premises in which an effluent source is located or in which any required records are kept;

   (b) Access to copy any records required to be kept under terms and conditions of this Order;

   (c) Inspection of monitoring equipment or records, and

   (d) Sampling of any discharge.

5. All discharges authorized by this Order shall be consistent with the terms and conditions of this Order. The discharge of any pollutant more frequently than or at a level in excess of that identified and authorized by this Order shall constitute a violation of the terms and conditions of this Order.

6. The discharger shall maintain in good working order and operate as efficiently as possible any facility or control system installed by the discharger to achieve compliance with the waste discharge requirements.

7. Collected screening, sludges, and other solids removed from liquid wastes shall be disposed of at a legal point of disposal, and in accordance with the provisions of Division 7.5 of the California Water Code. For the purpose of this requirement, a legal point of disposal is defined as one for which waste discharge requirements have been prescribed by a regional water quality control board and which is in full compliance therewith.

8. After notice and opportunity for a hearing, this Order may be terminated or modified for cause, including, but not limited to:

   (a) Violation of any term or condition contained in this Order;

   (b) Obtaining this Order by misrepresentation, or failure to disclose all relevant facts;

   (c) A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.

9. If a toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standards or prohibition) is established under Section 307(a) of the Federal Water Pollution Control Act, or amendments thereto, for a toxic pollutant which is present in the discharge authorized herein and such standard or prohibition is more stringent than any limitation upon such pollutant in this Order, the Board will revise or modify this Order in accordance with such toxic effluent standard or prohibition and so notify the discharger.

10. There shall be no discharge of harmful quantities of oil or hazardous substances, as specified by regulation adopted pursuant to Section 311 of the Federal Water Pollution Control Act, or amendments thereto.

11. In the event the discharger is unable to comply with any of the conditions of this Order due to:

   (a) breakdown of waste treatment equipment;

   (b) accidents caused by human error or negligence; or

   (c) other causes such as acts of nature,

   the discharger shall notify the Executive Officer by telephone as soon as he or his agents have knowledge of the incident and confirm this notification in writing within two weeks of the telephone notification. The written notification shall include pertinent information explaining reasons for the non-compliance and shall indicate what steps were taken to correct the problem and the dates thereof, and what steps are being taken to prevent the problem from recurring.

12. Supervisors and operators of publicly owned wastewater treatment plants shall possess a certificate of appropriate grade in accordance with regulations adopted by the State Water Resources Control Board.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD CA 0003085

LOS ANGELES REGION

TENTATIVE

REPORTING REQUIREMENTS

1. The discharger shall file with the Board technical reports on self-monitoring work performed according to the detailed specifications contained in any Monitoring and Reporting Programs as directed by the Executive Officer.

2. The discharger shall file a written report with the Board within 90 days after the average dry-weather waste flow for any month equals or exceeds 75 percent of the design capacity of his waste treatment and/or disposal facilities. The discharger's senior administrative officer shall sign a letter which transmits that report and certifies that the policy-making body is adequately informed about it. The report shall include:

   Average daily flow for the month, the date on which the instantantaneous peak flow occurred, the rate of that peak flow, and the total flow for that day.

   The discharger's best estimate of when the average daily dry-weather flow rate will equal or exceed the design capacity of his facilities.

   The discharger's intended schedule for studies, design, and other steps needed to provide additional capacity for his waste treatment and/or disposal facilities before the waste flow rate equals the capacity of present units. (Reference: Sections 13260, 13267(b), and 13268, California Water Code).

3. The discharger shall notify the Board not later than 120 days in advance of implementation of any plans to alter production capacity of the product line of the manufacturing, producing or processing facility by more than ten percent. Such notification shall include estimates of proposed production rate, the type of process, and projected effects on effluent quality. Notification shall include submittal of a new report of waste discharge and appropriate filing fee.

4. The discharger shall notify the Board of (a) new introduction into such works of pollutants from a source which would be a new source as defined in Section 306 of the Federal Water Pollution Control Act, or amendments thereto, if such source were discharging pollutants to the waters of the United States, (b) new introductions of pollutantsinto such works from a source which would be subject to Section 301 of the Federal Water Pollution Control Act, or amendments thereto, if substantial change in the volume or character of pollutants being introduced into such works by a source introducing pollutants into such works at the time the waste discharge requirements were adopted. Notice shall include a description of the quantity and quality of pollutants and the impact of such change on the substantial change in volume is considered an increase of ten percent in the mean dry-weather flow rate. The discharger shall forward a copy of such notice directly to the Regional Administrator.

5. The discharger shall file with the Board a report on waste discharge at least 120 days before making any material change or proposed change in the character, location or volume of the discharge.

6. This Board requires the discharger to file with the Board, within 90 days after the effective date of this Order, a technical report on his preventive (failsafe) and contingency (cleanup) plans for controlling accidental discharges, and for minimizing the effect of such events. The technical report should:

   Identify the possible sources of accidental loss, untreated waste bypass, and contaminated drainage. Loading and storage areas, power outage, waste treatment unit outage, and failure of process equipment, tanks and pipes should be considered.

   Evalulate the effectiveness of present facilities and procedures and state when they became operational.

   Describe facilities and procedures needed for effective preventive and contingency plans.

   Predict the effectiveness of the proposed facilities and procedures and provide an implementation schedule containing interim and final dates when they will be constructed, implemented, or operational. (Reference: Sections 13267(b) and 13268, California Water Code.

   This Board, after review of the technical report, may establish conditions which it deems necessary to control accidental discharges and to minimize the effects of such events. Such conditions may be incorporated as part of this Order, upon notice to the discharger.

7. The discharger shall submit to the Board, by January 30 of each year, an annual summary of the quantities of all chemicals, listed by both trade and chemical names, which are used for cooling and/or boiler water treatment and which are discharged.

8. The discharger shall submit to the Board, together with the first monitoring report required by this permit, a list of all chemicals and proprietary additives which could affect this waste discharge, including quantities of each. Any subsequent changes in types and/or quantities shall be reported promptly.

CA 0003085

TENTATIVE

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION

GENERAL MONITORING AND REPORTING PROVISIONS

GENERAL PROVISIONS FOR SAMPLING AND ANALYSIS

All sampling, sample preservation, and analyses shall be performed in accordance with the latest edition of "Guidelines Establishing Test Procedures for Analysis of Pollutants", promulgated by the United States Environmental Protection Agency.

All chemical, bacteriological, and bioassay analyses shall be conducted at a laboratory certified for such analyses by the State Department of Health.

Effluent samples shall be taken downstream of any addition to the treatment works and prior to mixing with the receiving waters.

The discharger shall calibrate and perform maintenance procedures on all monitoring instruments and equipment to insure accuracy of measurements, or shall insure that both activities will be conducted.

A grab sample is defined as an individual sample collected in fewer than 15 minutes.

A composite sample is defined as a combination of no fewer than eight individual samples obtained over the specified sampling period. The volume of each individual sample is proportional to the discharge flow rate at the time of sampling. The sampling period shall equal the discharge period, or 24 hours, whichever period is shorter.

GENERAL PROVISIONS FOR REPORTING

For every item where the requirements are not met, the discharger shall submit a statement of the actions undertaken or proposed which will bring the discharge into full compliance with requirements at the earliest time and submit a timetable for correction.

By January 30 of each year, the discharger shall submit an annual report to the Board. The report shall contain both tabular and graphical summaries of the monitoring data obtained during the previous year. In addition, the discharger shall discuss the compliance record and the corrective actions taken or planned which may be needed to bring the discharge into full compliance with the waste discharge requirements.

The discharger shall maintain all sampling and analytical results, including strip charts; date, exact place, and time of sampling; date analyses were performed; analyst's name; analytical techniques used; and results of all analyses. Such records shall be retained for a minimum of three years. This period of retention shall be extended during the course of any unresolved litigation regarding this discharge or when requested by the Board.

(Revised 8/1/75)

TENTATIVE

In reporting the monitoring data, the discharger shall arrange the data in tabular form so that the date, the constituents, and the concentrations are readily discernible. The data shall be summarized to demonstrate compliance with waste discharge requirements and, where applicable, shall include results of receiving water observations.

Monitoring reports shall be signed by:

a. In the case of corporations, by a principal executive officer at least of the level of vice-president or his duly authorized representative, if such representative is responsible for the overall operation of the facility from which discharge originates;

b. In the case of a partnership, by a general partner;

c. In the case of a sole proprietorship, by the proprietor;

d. In the case of municipal, state or other public facility, by either a principal executive officer, ranking elected official, or other duly authorized employee.

Each report shall contain the following completed declaration:

"I declare under penalty of perjury that the foregoing is true and correct.

Executed on the _____ day of _____ at _____.

_____(Signature)

_____(Title)"

The discharger shall mail a copy of each monitoring report to the following:

California Regional Water Quality
Control Board - Los Angeles Region
107 South Broadway, Room 4027
Los Angeles, CA 90012

ATTN: Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION
MONITORING AND REPORTING PROGRAM NO. 5422

FOR

AIR PRODUCTS AND CHEMICALS, INC.
(CA0003085)

The discharger shall implement this monitoring program on the effective date of this Order. The first monitoring report under this program is due by January 15, 1984.

Monitoring reports shall be submitted by the dates in the following schedule:

Reporting Period	Report Due
January - March	April 15
April - June	July 15
July - September	October 15
October - December	January 15

If no flow occurred during the quarter the report shall so state.

Each monitoring report must affirm in writing that:

> All analyses were conducted at a laboratory certified for such analyses by the State Department of Health and in accordance with current EPA guideline procedures or as specified in the Monitoring Program.

For any analysis performed for which no procedure is specified in the EPA guidelines or in this Monitoring Program, the constituent or parameter analyzed and the method or procedure used must be specified in the report.

Effluent Monitoring

A sampling station shall be established for each point of discharge and shall be located where representative samples of that effluent cab be obtained. The following shall constitute the effluent monitoring program:

Constituent	Units	Type of Sample	Minimum Frequency of Analysis
pH	pH units	grab	quarterly
Temperature	^{o}F or ^{o}C	grab	monthly
Total waste flow	gal/day	-----	monthly
Suspended solids	mg/l	grab	quarterly
Settleable solids	ml/l	grab	quarterly

TENTATIVE

Constituent	Units	Type of Sample	Minimum Frequency of Analysis
COD	lbs/day	grab	quarterly
Oil and grease	mg/l	grab	quarterly
Zinc*	mg/l	grab	quarterly

Receiving Water Monitoring

Receiving water sampling stations shall be established as following

RW 1 - 50 feet from the center of the outfall line in the direction of tidal flow at the time of sampling. If sampled at slack tide, this station shall be in the direction where the channel waters have been influenced by the discharge. Samples may be taken from the shore if representative.

RW 2- 250 feet from the center of the outfall line in the direction of tidal flow at the time of sampling. If sampled at slack tide, this station shall be in the direction where the channel waters have been influenced by the discharge. Samples may be taken from the shore if representative.

RW 3 - 250 feet from the center of the outfall line in the opposite direction of tidal flow at the time of sampling. If sampled at slack tide, this station shall be in the opposite direction where the channel waters have been influenced by the discharge. Samples may be taken from the shore if representative.

Receiving water samples shall be obtained during periods of discharge of cooling tower bleed-off. Samples shall be obtained within one foot of the surface.

The following shall constitute the receiving water monitoring program :

Constituent	Station	Units	Type of Sample	Minumum Frequency of Analysis
Residual chlorine	RW1,RW2,RW3	mg/l	grab	quarterly

* A statement that this constituent has not been added to the system may be submitted in lieu of analysis.

TENTATIVE

Demonstratio of Com liance with 30-day Average Limitations

For parameters where both 30-day average and maximum limits are specified but where the monit ring frequency is less than four times a month, the following procedure shall apply. Future analyses of two successive samples yield results greater than 90 of the maximum limit for a parameter, the sampling frequency for that parameter hall be increased (within one week of receiving the laboratory result on the second sample) to a minimum of once weekly until at least four consecutive weekly samples have been obtained and compliance with the 30-day average limit has been demonstrated again and the discharger has set forth for the approval of the Executive Officer a program which ensures future compliance with the 30-day average limit.

Hauling Reports

In the event wastes are transported to a different disposal site during the reporting period, the following shall be reported.

a. Types of wastes and quantity of each type;

b. Name and either the address or the state registration number for each hauler of wastes (or the methods of transport of other than by hauling); and

c. Location of the final points of disposal for each type of waste.

If no wastes are hauled offsite during the reporting period, a statement to that effect shall be submitted.

Ordered by _____
Executive Officer

_____
Date

TENTATIVE

I-5385

STATE OF CALIFORNIA — GEORGE DEUKMEJIAN, Governo

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD—
LOS ANGELES REGION
107 SOUTH BROADWAY, SUITE 4027
LOS ANGELES, CALIFORNIA 90012-4596
(213) 620-4460

RECEIVED
DEC 01 1983
L.A. COUNTY ENGINEER
SANITATION DISTRICTS

November 30, 1983

Air Products and Chemicals, Inc.
23320 Souty Alameda Street
Long Beach, CA 90810

Attn: Mr. R.L. Shadman, Plant Manager

RE: Waste Discharge Requirements (NPDES Permit No. CA0003085)

Gentlemen:

Reference is made to our letter dated October 18, 1983, which transmitted a draft of tentative requirements for your disposal of wastes to Dominguez Channel.

Pursuant to Division 7 of the California Water Code, this California Regional Water Quality Control Board, at a public hearing held on November 28, 1983, reviewed these tentative requirements, considered all factors in the case, and adopted Order No. 83-66 (copy attached) relative to this waste discharge. This Order serves as a permit under the National Pollutant Discharge Elimination System, and expires November 10, 1988. Please note that you must file an application for a new permit at least 180 days in advance of that date.

You are required to implement the new monitoring program as stated in the Monitoring and Reporting Program on the effective date of this Order. Please note that ny monitoring report due under your previous Monitoring and Reporting Program is still required and must be submitted by the due date. Please reference all technical and monitoring reports to our Compliance File No. 5422. We would appreciate it if you would not combine other reports, such as progress or technical reports, with your monitoring reports but would submit each type of report as a separate document.

Very truly yours,

JESSE M. DIAZ
Acting Executive Officer

cc: See attached mailing list

Enclosures

Air Products and Chemical, Inc.

cc: Environmental Protection Agency, Region IX, Attn: Permits Branch
U.S. Army Corps of Engineers
State Water Resources Control Board, Div. of Technical Services
Attn: Ed Anton
Department of Fish and Game, Marine Resources Region
Department of Health Services, Sanitary Engineering Section
Department of Water Resources
Los Angeles County, Department of Health Services
Los Angeles County Flood Control District
Los Angeles County Engineer-Facilities
NOAA, National Marine Fisheries Service
City of Carson

State of California
Resources Agency
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD, LOS ANGELES REGION

ORDER NO. 83-66

NPDES NO. CA0003085

WASTE DISCHARGE REQUIREMENTS FOR AIR PRODUCTS AND CHEMICALS, INC.

The California Regional Water Quality Control Board, Los Angeles Region, finds:

1. Air Products and Chemicals, Inc. discharges wastes under waste discharge requirements contained in Order 78-53 (NPDES No. CA0003085) adopted by this Board on May 22, 1978.

2. Air Products and Chemicals, Inc. has filed a report of waste discharge and has applied for renewal of its waste discharge requirements and National Pollutant Discharge Elimination System permit.

3. Air Products and Chemicals, Inc. operates a liquid hydrogen production plant at 23320 South Alameda Street, Carson, California, and discharges up to 50,000 gallons per day of cooling tower bleed-off, boiler blowdown, and wash water from concrete-paved operating areas directly into Dominguez Channel, a water of the United States, at a point about 1,500 feet downstream from Alameda Street, within the tidal prism.

4. The Board adopted a revised Water Quality Control Plan for Los Angeles River Basin on March 27, 1978. The Plan contains water quality objectives for Dominguez Channel. The requirements contained in this Order as they are met will be in conformance with the goals of Water Quality Control Plan.

5. The beneficial uses of the receiving waters are non-contact recreation, preservation of rare and endangered species, marine habitat and saline water habitat.

6. Effluent limitation standards established pursuant to Section 301 of the Federal Water Pollution Control Act and amendments thereto are applicable to the discharge.

7. The issuance of waste discharge requirements for this discharge is exempt from the provisions of Chapter 3 (commencing with Section 21100) of the Division 13, of the Public Resources Code in accordance with Water Code Section 13389.

Revised 10/17/83
6/23/83

The Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for this discharge and has provided them with an opportunity to submit their written views and recommendations.

The Board in a public hearing heard and considered all comments pertaining to the discharge and to the tentative requirements.

This Order shall serve as a National Pollutant Discharge Elimination System permit pursuant to Section 402 of the Federal Water Pollution Control Act, or amendments thereto, and shall take effect at the end of ten days from the date of its adoption, provided the Regional Administrator, EPA, has no objections.

IT IS HEREBY ORDERED, that Air Products and Chemicals, Inc.,

in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder, and the provisions of the Federal Water Pollution Control Act and regulations and guidelines adopted thereunder, shall comply with the following:

A. Effluent Limitations

1. The discharge of an effluent in excess of the following limits is prohibited:

		Discharge Limitations	
Constituent	Unit	30-Day Average	Maximum
Suspended solids	mg/l	50	150
	lbs/day*	20.85	62.6
Settleable solids	ml/l	0.1	0.3
COD			
	lbs/day*	30.0	30.0
Oil and grease	mg/l	10	15
	lbs/day*	4.17	6.26

*Based on discharge flow of 50,000 gallons per day.

3. The daily discharge rate shall be obtained from the following calculation for any calendar day:

$$\text{Daily discharge rate} = \frac{8.34}{N} \sum_{1}^{N} Q_i C_i$$

in which N is the number of samples analyzed in any calendar day. Q_i and C_i are the flow rate (MGD) and the constituent concentration (mg/l) respectively, which are associated with each of the N grab samples which may be taken in any calendar day. If a composite sample is taken, C_i is the concentration measured in the composite sample and Q_i is the average flow rate occurring during the period over which samples are composited.

4. The 30-day average shall be the arithmetic average of all the daily values calculated using the results of analyses of all samples collected during any 30 consecutive calendar day period. If fewer than four samples are collected and analyzed during any 30 consecutive calendar day period, compliance with the 30-day average limitation shall not be determined.

5. The pH of wastes discharged shall at all times be within the range 6.0 to 9.0.

6. The temperature of wastes discharged shall not exceed 100°F.

7. Wastes discharged shall not contain visible oil or grease, and shall not cause the appearance of grease, oil or oily slick, or persistent foam in the receiving waters or on channel banks, walls, inverts or other structures.

8. Wastes discharged shall not cause the formation of sludge deposits.

9. Neither the disposal nor any handling of waste shall cause pollution or nuisance.

10. Wastes discharged shall not damage flood control structures or facilities.

11. This discharge shall not cause a violation of any applicable water quality standard for receiving waters adopted by the Regional Board or the State Water Resources Control Board as required by the Federal Water Pollution Control Act and regulations adopted thereunder. If more stringent applicable water quality standards are promulgated or approved pursuant to Section 303 of the Federal Water Pollution Control Act, or amendments thereto, the Board will revise and modify this Order in accordance with such more stringent standards.

12. Wastes discharged shall not contain any substances in concentrations toxic to human, animal, plant, or aquatic life.

13. Petroleum products, chemicals, and refuse and other wastes shall not be stored or placed where they will be picked up by rainfall and discharged to surface waters.

14. The waste discharge to watercourses or flood control channels shall not result in residual chlorine concentrations greater than 0.1 mg/l in the receiving waters at the point of discharge.

B. Provisions

1. This Order includes the following items of the attached "Standard Provisions": 1,2,4,5,6,7,8,9, and 11.

2. This Order includes the following items of the attached "Reporting Requirements": 1,5 and 8.

3. This Order includes the attached "General Monitoring and Reporting Provisions."

4. This Order expires on November 10, 1988, and the discharger must file a Report of Waste Discharge in accordance with Title 23, California Administrative Code, not later than 180 days in advance of such date as application for issuance of new waste discharge requirements.

5. A copy of these waste discharge specifications shall be maintained at the discharge facility so as to be available at all times to operating personnel.

6. In the event of any change in name, ownership, or control of these waste disposal facilities, the discharger shall notify this Board of such change and shall notify the succeeding owner or operator of the existence of this Order by letter, copy of which shall be forwarded to the Board.

7. Any discharge of wastes at any point(s) other than specifically described in this permit is prohibited, and constitutes a violation of the permit.

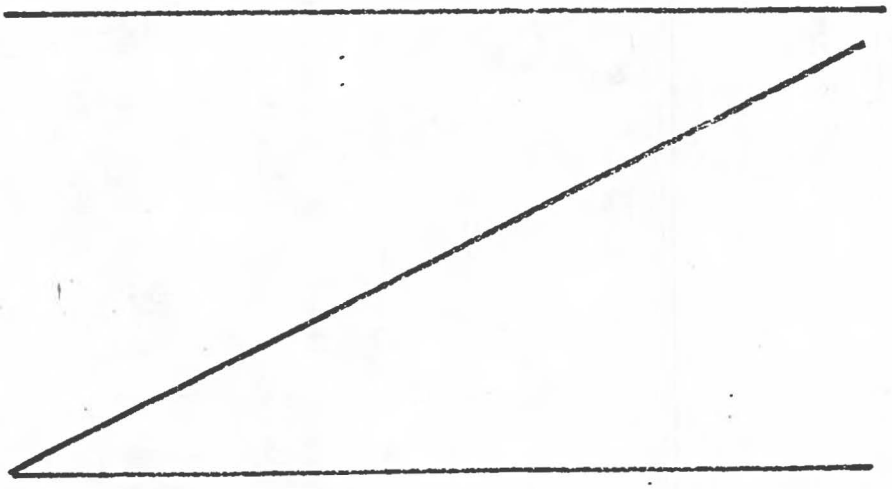
8. This order may be modified, or, alternatively, revoked and reissued, to comply with any applicable effluent limitation issued pursuant to the order the United States District Court for the District of Columbia issued on June 8, 1976, in Natural Resources Defense Council, Inc. et al. v. Russell E. Train, 8 ERC 2120 (D.D.C. 1976), if the effluent limitation so issued:

   (1) is different in conditions or more stringent than any effluent limitation in this order; or

   (2) controls any pollutant not limited in this order.

9. These requirements do not exempt the operator of this waste disposal facility from compliance with any other laws, regulations, or ordinances which may be applicable; they do not legalize this waste disposal facility, and they leave unaffected any further restraint on the disposal of wastes at this site which may be contained in other statutes or required by other agencies.

10. Order No. 78-53 adopted by this Board on May 22, 1978, is hereby rescinded.



I, Jesse M. Diaz, Acting Executive Officer, do hereby certify that the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, Los Angeles, on November 28, 1983.

JESSE M. DIAZ, Acting Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

LOS ANGELES REGION

STANDARD PROVISIONS CA 0003085

1. The requirements prescribed herein do not authorize the commission of any act causing injury to the property of another, nor protect the discharger from his liabilities under federal, state, or local laws, nor guarantee the discharger a capacity right in the receiving waters.

2. The discharge of any radiological, chemical, or biological warfare agent or high level radiological waste is prohibited.

3. The discharger shall require any industrial user of the treatment works to comply with applicable service charges and toxic and pretreatment standards promulgated in accordance with Sections 204(b), 307, and 308 of the Federal Water Pollution Control Act or amendments thereto. The discharger shall require each individual user to submit periodic notice (over intervals not to exceed nine months) of progress toward compliance with applicable toxic and pretreatment standards developed pursuant to the Federal Water Pollution Control Act or amendments thereto. The discharger shall forward a copy of such notice to the Board and the Regional Administrator.

4. The discharger shall permit the Regional Board:

   (a) Entry upon premises in which an effluent source is located or in which any required records are kept;

   (b) Access to copy any records required to be kept under terms and conditions of this Order;

   (c) Inspection of monitoring equipment or records, and

   (d) Sampling of any discharge.

5. All discharges authorized by this Order shall be consistent with the terms and conditions of this Order. The discharge of any pollutant more frequently than or at a level in excess of that identified and authorized by this Order shall constitute a violation of the terms and conditions of this Order.

6. The discharger shall maintain in good working order and operate as efficiently as possible any facility or control system installed by the discharger to achieve compliance with the waste discharge requirements.

7. Collected screening, sludges, and other solids removed from liquid wastes shall be disposed of at a legal point of disposal, and in accordance with the provisions of Division 7.5 of the California Water Code. For the purpose of this requirement, a legal point of disposal is defined as one for which waste discharge requirements have been prescribed by a regional water quality control board and which is in full compliance therewith.

8. After notice and opportunity for a hearing, this Order may be terminated or modified for cause, including, but not limited to:

   (a) Violation of any term or condition contained in this Order;

   (b) Obtaining this Order by misrepresentation, or failure to disclose all relevant facts;

   (c) A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.

9. If a toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standards or prohibition) is established under Section 307(a) of the Federal Water Pollution Control Act, or amendments thereto, for a toxic pollutant which is present in the discharge authorized herein and such standard or prohibition is more stringent than any limitation upon such pollutant in this Order, the Board will revise or modify this Order in accordance with such toxic effluent standard or prohibition and so notify the discharger.

10. There shall be no discharge of harmful quantities of oil or hazardous substances, as specified by regulation adopted pursuant to Section 311 of the Federal Water Pollution Control Act, or amendments thereto.

11. In the event the discharger is unable to comply with any of the conditions of this Order due to:

   (a) breakdown of waste treatment equipment;

   (b) accidents caused by human error or negligence; or

   (c) other causes such as acts of nature,

   the discharger shall notify the Executive Officer by telephone as soon as he or his agents have knowledge of the incident and confirm this notification in writing within two weeks of the telephone notification. The written notification shall include pertinent information explaining reasons for the non-compliance and shall indicate what steps were taken to correct the problem and the dates thereof, and what steps are being taken to prevent the problem from recurring.

12. Supervisors and operators of publicly owned wastewater treatment plants shall possess a certificate of appropriate grade in accordance with regulations adopted by the State Water Resources Control Board.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

LOS ANGELES REGION

CA 0003085

REPORTING REQUIREMENTS

1. The discharger shall file with the Board technical reports on self-monitoring work performed according to the detailed specifications contained in any Monitoring and Reporting Programs as directed by the Executive Officer.

2. The discharger shall file a written report with the Board within 90 days after the average dry-weather waste flow for any month equals or exceeds 75 percent of the design capacity of his waste treatment and/or disposal facilities. The discharger's senior administrative officer shall sign a letter which transmits that report and certifies that the policy-making body is adequately informed about it. The report shall include:

   Average daily flow for the month, the date on which the instantantaneous peak flow occurred, the rate of that peak flow, and the total flow for that day.

   The discharger's best estimate of when the average daily dry-weather flow rate will equal or exceed the design capacity of his facilities.

   The discharger's intended schedule for studies, design, and other steps needed to provide additional capacity for his waste treatment and/or disposal facilities before the waste flow rate equals the capacity of present units. (Reference: Sections 13260, 13267(b), and 13268, California Water Code).

3. The discharger shall notify the Board not later than 120 days in advance of implementation of any plans to alter production capacity of the product line of the manufacturing, producing or processing facility by more than ten percent. Such notification shall include estimates of proposed production rate, the type of process, and projected effects on effluent quality. Notification shall include submittal of a new report of waste discharge and appropriate filing fee.

4. The discharger shall notify the Board of (a) new introduction into such works of pollutants from a source which would be a new source as defined in Section 306 of the Federal Water Pollution Control Act, or amendments thereto, if such source were discharging pollutants to the waters of the United States, (b) new introductions of pollutantsinto such works from a source which would be subject to Section 301 of the Federal Water Pollution Control Act, or amendments thereto, if substantial change in the volume or character of pollutants being introduced into such works by a source introducing pollutants into such works at the time the waste discharge requirements were adopted. Notice shall include a description of the quantity and quality of pollutants and the impact of such change on the substantial change in volume is considered an increase of ten percent in the mean dry-weather flow rate. The discharger shall forward a copy of such notice directly to the Regional Administrator.

5. The discharger shall file with the Board a report on waste discharge at least 120 days before making any material change or proposed change in the character, location or volume of the discharge.

6. This Board requires the discharger to file with the Board, within 90 days after the effective date of this Order, a technical report on his preventive (failsafe) and contingency (cleanup) plans for controlling accidental discharges, and for minimizing the effect of such events. The technical report should:

   Identify the possible sources of accidental loss, untreated waste bypass, and contaminated drainage. Loading and storage areas, power outage, waste treatment unit outage, and failure of process equipment, tanks and pipes should be considered.

   Evalulate the effectiveness of present facilities and procedures and state when they became operational.

   Describe facilities and procedures needed for effective preventive and contingency plans.

   Predict the effectiveness of the proposed facilities and procedures and provide an implementation schedule containing interim and final dates when they will be constructed, implemented, or operational. (Reference: Sections 13267(b) and 13268, California Water Code.

   This Board, after review of the technical report, may establish conditions which it deems necessary to control accidental discharges and to minimize the effects of such events. Such conditions may be incorporated as part of this Order, upon notice to the discharger.

7. The discharger shall submit to the Board, by January 30 of each year, an annual summary of the quantities of all chemicals, listed by both trade and chemical names, which are used for cooling and/or boiler water treatment and which are discharged.

8. The discharger shall submit to the Board, together with the first monitoring report required by this permit, a list of all chemicals and proprietary additives which could affect this waste discharge, including quantities of each. Any subsequent changes in types and/or quantities shall be reported promptly.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION

GENERAL MONITORING AND REPORTING PROVISIONS CA 0003085

GENERAL PROVISIONS FOR SAMPLING AND ANALYSIS

All sampling, sample preservation, and analyses shall be performed in accordance with the latest edition of "Guidelines Establishing Test Procedures for Analysis of Pollutants", promulgated by the United States Environmental Protection Agency.

All chemical, bacteriological, and bioassay analyses shall be conducted at a laboratory certified for such analyses by the State Department of Health.

Effluent samples shall be taken downstream of any addition to the treatment works and prior to mixing with the receiving waters.

The discharger shall calibrate and perform maintenance procedures on all monitoring instruments and equipment to insure accuracy of measurements, or shall insure that both activities will be conducted.

A grab sample is defined as an individual sample collected in fewer than 15 minutes.

A composite sample is defined as a combination of no fewer than eight individual samples obtained over the specified sampling period. The volume of each individual sample is proportional to the discharge flow rate at the time of sampling. The sampling period shall equal the discharge period, or 24 hours, whichever period is shorter.

GENERAL PROVISIONS FOR REPORTING

For every item where the requirements are not met, the discharger shall submit a statement of the actions undertaken or proposed which will bring the discharge into full compliance with requirements at the earliest time and submit a timetable for correction.

By January 30 of each year, the discharger shall submit an annual report to the Board. The report shall contain both tabular and graphical summaries of the monitoring data obtained during the previous year. In addition, the discharger shall discuss the compliance record and the corrective actions taken or planned which may be needed to bring the discharge into full compliance with the waste discharge requirements.

The discharger shall maintain all sampling and analytical results, including strip charts; date, exact place, and time of sampling; date analyses were performed; analyst's name, analytical techniques used; and results of all analyses. Such records shall be retained for a minimum of three years. This period of retention shall be extended during the course of any unresolved litigation regarding this discharge or when requested by the Board.

(Revised 9/19/77)

In reporting the monitoring data, the discharger shall arrange the data in tabular form so that the date, the constituents, and the concentrations are readily discernible. The data shall be summarized to demonstrate compliance with waste discharge requirements and, where applicable, shall include results of receiving water observations.

Monitoring reports shall be signed by:

a. In the case of corporations, by a principal executive officer at least of the level of vice-president or his duly authorized representative, if such representative is responsible for the overall operation of the facility from which discharge originates;

b. In the case of a partnership, by a general partner;

c. In the case of a sole proprietorship, by the proprietor;

d. In the case of municipal, state or other public facility, by either a principal executive officer, ranking elected official, or other duly authorized employee.

Each report shall contain the following completed declaration:

"I declare under penalty of perjury that the foregoing is true and correct.

Executed on the _____ day of _____ at _____.

_____(Signature)

_____(Title)"

The discharger shall mail a copy of each monitoring report to the following:

California Regional Water Quality
Control Board - Los Angeles Region
107 South Broadway, Room 4027
Los Angeles, CA 90012

ATTN: Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION
MONITORING AND REPORTING PROGRAM NO. 5422

FOR

AIR PRODUCTS AND CHEMICALS, INC.
(CA0003085)

The discharger shall implement this monitoring program on the effective date of this Order. The first monitoring report under this program is due by January 15, 1984.

Monitoring reports shall be submitted by the dates in the following schedule:

Reporting Period	Report Due
January - March	April 15
April - June	July 15
July - September	October 15
October - December	January 15

If no flow occurred during the quarter the report shall so state.

Each monitoring report must affirm in writing that:

> All analyses were conducted at a laboratory certified for such analyses by the State Department of Health and in accordance with current EPA guideline procedures or as specified in the Monitoring Program.

For any analysis performed for which no procedure is specified in the EPA guidelines or in this Monitoring Program, the constituent or parameter analyzed and the method or procedure used must be specified in the report.

Effluent Monitoring

A sampling station shall be established for each point of discharge and shall be located where representative samples of that effluent cab be obtained. The following shall constitute the effluent monitoring program:

Constituent	Units	Type of Sample	Minimum Frequency of Analysis
pH	pH units	grab	quarterly
Temperature	^{o}F or ^{o}C	grab	monthly
Total waste flow	gal/day	-----	monthly
Suspended solids	mg/l	grab	quarterly
Settleable solids	ml/l	grab	quarterly

Constituent	Units	Type of Sample	Minimum Frequency of Analysis
COD	lbs/day	grab	quarterly
Oil and grease	mg/l	grab	quarterly
Zinc*	mg/l	grab	quarterly

Receiving Water Monitoring

Receiving water sampling stations shall be established as following

RW 1 - 50 feet from the center of the outfall line in the direction of tidal flow at the time of sampling. If sampled at slack tide, this station shall be in the direction where the channel waters have been influenced by the discharge. Samples may be taken from the shore if representative.

RW 2- 250 feet from the center of the outfall line in the direction of tidal flow at the time of sampling. If sampled at slack tide, this station shall be in the direction where the channel waters have been influenced by the discharge. Samples may be taken from the shore if representative.

RW 3 - 250 feet from the center of the outfall line in the opposite direction of tidal flow at the time of sampling. If sampled at slack tide, this station shall be in the opposite direction where the channel waters have been influenced by the discharge. Samples may be taken from the shore if representative.

Receiving water samples shall be obtained during periods of discharge of cooling tower bleed-off. Samples shall be obtained within one foot of the surface.

The following shall constitute the receiving water monitoring program :

Constituent	Station	Units	Type of Sample	Minumum Frequency of Analysis
Residual chlorine	RW1,RW2,RW3	mg/l	grab	quarterly

* A statement that this constituent has not been added to the system may be submitted in lieu of analysis.

Demonstration of Compliance with 30-day Average Limitations

For parameters where both 30-day average and maximum limits are specified but where the monitoring frequency is less than four times a month, the following procedure shall apply. Future analyses of two successive samples yield results greater than 90% of the maximum limit for a parameter, the sampling frequency for that parameter shall be increased (within one week of receiving the laboratory result on the second sample) to a minimum of once weekly until at least four consecutive weekly samples have been obtained and compliance with the 30-day average limit has been demonstrated again and the discharger has set forth for the approval of the Executive Officer a program which ensures future compliance with the 30-day average limit.

Hauling Reports

In the event wastes are transported to a different disposal site during the reporting period, the following shall be reported.

a. Types of wastes and quantity of each type;

b. Name and either the address or the state registration number for each hauler of wastes (or the methods of transport of other than by hauling); and

c. Location of the final points of disposal for each type of waste.

If no wastes are hauled offsite during the reporting period, a statement to that effect shall be submitted.

Ordered by _____
Acting Executive Officer

November 28, 1983
Date

COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS

900 SOUTH FREMONT AVENUE
ALHAMBRA, CALIFORNIA 91803-1331
Telephone: (626) 458-5100

HARRY W. STONE, Director

ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 1460
ALHAMBRA, CALIFORNIA 91802-1460

IN REPLY PLEASE
REFER TO FILE: EP-1
005186-I05385

May 3, 1999

Mr. Paul Buelow
Air Products Mfg. Corp.
23320 S. Alameda St.
Carson, CA 90810

Dear Mr. Buelow:

GROUNDWATER PROTECTION PROGRAM
AIR PRODUCTS MFG. CORP.
23320 S. ALAMEDA ST., CARSON

In order to increase awareness of groundwater pollution problems in Los Angeles County, the Los Angeles County Department of Public Works (LACDPW) is working in conjunction with the United States Environmental Protection Agency (USEPA), to develop a site specific groundwater protection program. The program will apply to all commercial and industrial facilities which discharge, deposit, or dispose of industrial wastewater into the ground or private disposal systems, such as a leach field.

The role of LACDPW will be the investigation of such facilities and may result in required permitting, monitoring and/or closure of certain facilities. The objective of this program is the elimination of facilities which may be a source of pollutants in groundwater supplies. In addition, the LACDPW is implementing an educational program for operators to become familiar with Best Management Practices (BMP), aimed at protecting groundwater.

Enclosed is a series of informational brochures regarding proper handling of waste material at your facility. As part of this program, LACDPW is forwarding these brochures to you in order to increase environmental awareness and provide information which may be useful in your everyday activities.

We appreciate the opportunity to provide you with the enclosed information.

Should you have any questions regarding this matter please contact Ms. Nardy Drew of this office at (626) 458-3511, Monday through Thursday, from 7:00 a.m. to 5:30 p.m.

Very truly your,

HARRY W. STONE

CARL W. SJOBERG
Chief, Industrial Waste Planning & Control
Environmental Programs Division

HT:nh
MIC11\GPP39

L.A. COUNTY DPW HAZARDOUS MATERIALS SYSTEM REPORT: HMR050.001

DATE COMPILED: 10/06/98 IW INSPECTION JOB ORDER INSP#: I000253178

RUN DATE: 04/08/99 16:25:43 STORMWATER PC INSPECTION, NON- ASSC#: P000003113

PAGE: 1

FILE #: 005186-I05385 NAME: AIR PRODUCTS MFG CORP
ADD: 23320 S ALAMEDA ST
CARSON, CA 90810 AREA: 22 SMD: 95
XSTREET: SEPULVEDA THOMAS GUIDE: 0794-H2
CONTACT: ~~PAUL BUELOW~~ ANT LEON PLANT MANAGER TEL: 310 518 0430
PROC: STORMWATER SAMPLE REQUIRED? N SAMPLE #: _____

INSP INFO: COOLING WATER FROM BUM UNIT OUTSIDE, EAST OF OFFICE BUILDING.

PERM TYPE: I 03 OPERATING PERMIT-OFFSITE-SURFA STATUS: PERMITTED
JURIS: C LOCAL ORDINANCE/CSDLAC EXEMPT
INDUSTRY: 127 NO METALS/CHEMICALS, NEC
FACILITY: 8B OTHER NON-STANDARD FACILITY
SIC: 5161 CHEMICALS & ALLIED PRODUCTS
RDS: RDS AREA: SQ FT

	FREQUENCY	LAST PERFORMED	NEXT DUE
INSPECTION	12	05/01/98	04/15/00
SAMPLE	00		
SELF-MONITOR	03	03/25/99	07/01/99

ASSGN TO: CENTINELA VALLEY FIELD OFFICE SECT: FIELD INSPECTION UNIT

==========

RESULTS: SURROUNDING AREA IS IN A CLEAN STATE.

REMARKS: 0.5 HR

INSPECTOR: [signature] INSPECTION DATE: 6/7/99

DISP: _____

COUNTY OF LOS ANGELES • DEPARTMENT OF PUBLIC WORKS
ENVIRONMENTAL PROGRAMS DIVISION
Storm Water Facility Inspection/Site Visit Report Form

Site/File 005186-I05385
Date 6/8/99
Inspection Work Order (I) 25318

☑ First Inspection ☐ Routine Inspection ☐ Response to Complaint ☐ Facility has closed or new Facility Information (see attached)

Facility Name: ATL PRODUCTS MFG. Site Address: 23320 S. ALAMEDA (R/C) Code: 22

Contact Name: ART LEON Phone (310) 518-0430 Business Type/Activity: CHEMICALS & ALLIED PRODUCTS SIC: 5161

Is the facility within the County unincorporated area? ☐ Yes ☑ No City: CARSON

Is the facility covered under any other permits? (Check all that apply)
☐ None ☑ Industrial Waste
☐ Air Quality ☑ Hazmat business plan ☐ Underground Storage Tanks ☑ Aboveground storage tanks
☑ Fire Dept. (Storage) ☑ Hazardous waste generator ☐ Other:

Is the facility covered under a storm water permit? ☐ Does not need coverage ☐ No, but may need to (Refer to Regional Board)
☐ Individual NPDES ☑ General (filed NOI) Does the facility have a SWPPP? ☐ Yes ☑ No

ACTIVITIES ASSESSMENT CHECKLIST

ACTIVITIES - Check each activity present at the site and evaluate its **potential (PPD)** for pollutant discharge: 1 = low potential, 2 = medium potential, 3 = high potential **➔ Circled BMPs require your immediate attention - see back of this report.**	APPLICABLE ACTIVITY Yes	No	PPD	EFFECTIVENESS RATING*	
A. MINIMUM BMPs - APPLICABLE TO ALL FACILITIES BMPs employed: 2,	[✓]	[ ]	[1]	① ② ③ ④ ●	
B. VEHICLE AND EQUIPMENT FUELING BMPs employed:	[ ]	[✓]	[ ]	① ② ③ ④ ⑤	
C. VEHICLE AND EQUIPMENT WASHING/STEAM CLEANING BMPs employed:	[ ]	[✓]	[ ]	① ② ③ ④ ⑤	
D. VEHICLE AND EQUIPMENT MAINTENANCE AND REPAIR BMPs employed:	[ ]	[✓]	[ ]	① ② ③ ④ ⑤	
E. OUTDOOR LOADING/UNLOADING OF MATERIALS BMPs employed: 3	[✓]	[ ]	[1]	① ② ③ ④ ●	
F. OUTDOOR PROCESS EQUIPMENT OPERATIONS AND MAINTENANCE BMPs employed:	[ ]	[✓]	[ ]	① ② ③ ④ ⑤	
G. OUTDOOR STORAGE OF RAW MATERIALS/PRODUCTS/CONTAINERS BMPs employed: 2, 5	[✓]	[ ]	[1]	① ② ③ ④ ●	
H. WASTE HANDLING AND DISPOSAL BMPs employed: 4, 5, 7, 8, 9	[✓]	[ ]	[1]	① ② ③ ④ ●	
I. CONTAMINATED OR ERODIBLE SURFACE AREAS BMPs employed:	[ ]	[✓]	[ ]	① ② ③ ④ ⑤	
J. BUILDING AND GROUNDS MAINTENANCE BMPs employed: 4	[✓]	[ ]	[1]	① ② ③ ④ ●	
K. ROOFTOP EQUIPMENT BMPs employed:	[ ]	[✓]	[ ]	① ② ③ ④ ⑤	
L. OUTDOOR DRAINAGE FROM INDOOR AREAS BMPs employed:	[ ]	[✓]	[ ]	① ② ③ ④ ⑤	
M. OTHER (describe):	[ ]	[ ]	[ ]	① ② ③ ④ ⑤	

*① **No BMPs used and stormwater pollution likely** ② **Some BMPs used but not effective** ③ **Some BMPs used and moderately effective**
④ **Source control BMPs used and very effective/structural BMPs needed** ⑤ **All necessary BMPs used and very effective**

This report is **not a citation.** It is furnished to the facility representative to assist in designing and evaluating Best Management Practices to prevent the runoff of pollutants to the storm drainage system. A reinspection of your facility (☐ is required)(☐ is not required) to review correction of deficiencies noted above. Please call ( ) _____ by _____ between 8:00 a.m. to 9:30 a.m. to arrange for a reinspection.

Facility Representative Signature: _____ Date: 6/09/99

Print name of Facility Representative: ART LEON Inspector: W. Davis

EPD/insbmp.1 - 3/99

LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS
900 SOUTH FREMONT AVENUE
ALHAMBRA, CALIFORNIA 91803-1331

TELECOPY COVER SHEET

DATE: 8/8/00
TIME: _____

TO:

Name: Ms. Ginger Patrick
Agency: Air Product & Chemical Inc
Telephone Number: (610) 481-3354
Telecopier Number: (610) 481-6186

FROM:

Name: Chris Chang
Division: ENVIRONMENTAL PROGRAMS
Telephone Number: (626) 458-3538
Telecopier Number: (626) 458-3569

NUMBER OF PAGES (including cover sheet) 5

REMARKS: I attached a copy of site survey, most recent inspection report, and site plans. All the drains are in the Lab & Maintenance Bldg. All the drains and septic tank shall be properly closed. Bleedoff water from cooling tower was discharging to Domingues Channel.
If you have any questions, pls call me.

INDUSTRIAL WASTE SURVEY

City _____ I. File No. 53 85-20

S.M.D. No. _____ Permit No. P.I.P.

Firm Name: Air Products and Chemicals Inc.

Address: 23320 S. Alameda Tel. No. 835-0106

between 223rd st and Sepulveda Blvd.

Contact Name Don Reamer Title: Process Supt.

Business and Processes: Mfg. liquid hydrogen - Feed stock formerly a waste gas from Richfield Refinery containing 80 to 90% hydrogen with other gasses. This is first passed through a light oil stripping benzine & aromatics. (No waste) Hydrogen gas is pressurized to 1500 PSI. liquified and then hauled to govt. missle programs. Benzines & aromatics pass through a caustic stripper creating a sodium carbonate waste to channel. This and cooling tower blowoff approx 40 GPM to channel. Waste to [redacted] Incidental wastes used in [redacted] analysis: 15 gallons daily plus domestic

TYPE AND QUANTITY I.W.: Wastes hauled: 6866 lb. every 2 months spent cat. hauled by Coast Tank Serv. to Stringfellow quarry - Riverside.

WASTE DISPOSAL:

Sewer: S.M.D. _____ San Dist. _____ Volume 1598 l day

Surface Drainage To Dom. channel Cooling Water Blowoff to channel Uncontaminated none

underGround [redacted] to Septic tank then to seepage pits

Other _____

PRETREATMENT FACILITIES:

Location _____

Trap: Standard none Non Standard none

Other: 2 sinks in lab, 6 floor drains, one floor sink

REQUIREMENTS AND DATA:

Inspection yes Frequency monthly Permit P.I.P.

New Industry yes Resurvey _____ T.C. Requested yes

Classification I-03 Method of Disposal Sept. & tank, seepage pits Dominguez channel

REMARKS AND RECOMMENDATIONS:

Present I.W. facilities are adequate.

I. W. approval of plans by R. Quintana 3-29-62

This will be included in our periodic inspection schedule.

Survey by: L. Davis Date: 3-5-63

.A. COUNTY DPW HAZARDOUS MATERIALS SYSTEM REPORT: HMR050.001

ATE COMPILED: 10/06/98 IW INSPECTION JOB ORDER INSP#: I000253178

UN DATE: 04/08/99 16:25:43 STORMWATER PC INSPECTION, NON- ASSC#: P000003113

PAGE: 1

FILE #: 005186-I05385 NAME: AIR PRODUCTS MFG CORP
ADD: 23320 S ALAMEDA ST
CARSON, CA 90810 AREA: 22 SMD: 95
XSTREET: SEPULVEDA THOMAS GUIDE: 0794-H2
CONTACT: ~~PAUL BUELOW~~ ART LEON PLANT MANAGER TEL: 310 518 0430

PROC: STORMWATER SAMPLE REQUIRED? N SAMPLE #: _____

NSP INFO: COOLING WATER FROM BUM UNIT OUTSIDE, EAST OF OFFICE BUILDING.

ERM TYPE: I 03 OPERATING PERMIT-OFFSITE-SURFA STATUS: PERMITTED
JURIS: C LOCAL ORDINANCE/CSDLAC EXEMPT
INDUSTRY: 127 NO METALS/CHEMICALS, NEC
FACILITY: 8B OTHER NON-STANDARD FACILITY
SIC: 5161 CHEMICALS & ALLIED PRODUCTS
RDS: RDS AREA: SQ FT

	FREQUENCY	LAST PERFORMED	NEXT DUE
INSPECTION	12	05/01/98	04/15/00
SAMPLE	00		
SELF-MONITOR	03	03/25/99	07/01/99

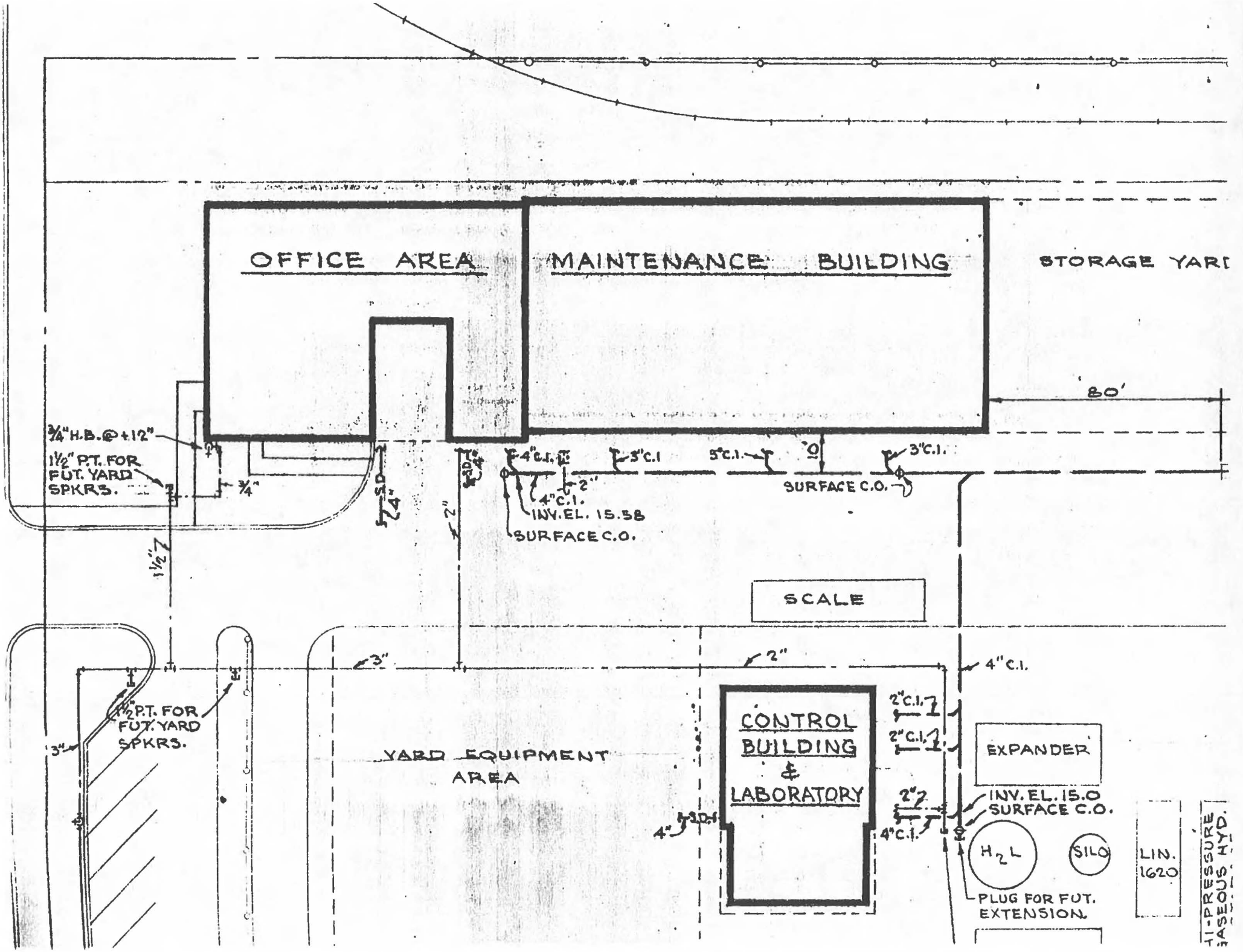
ASSGN TO: CENTINELA VALLEY FIELD OFFICE SECT: FIELD INSPECTION UNIT

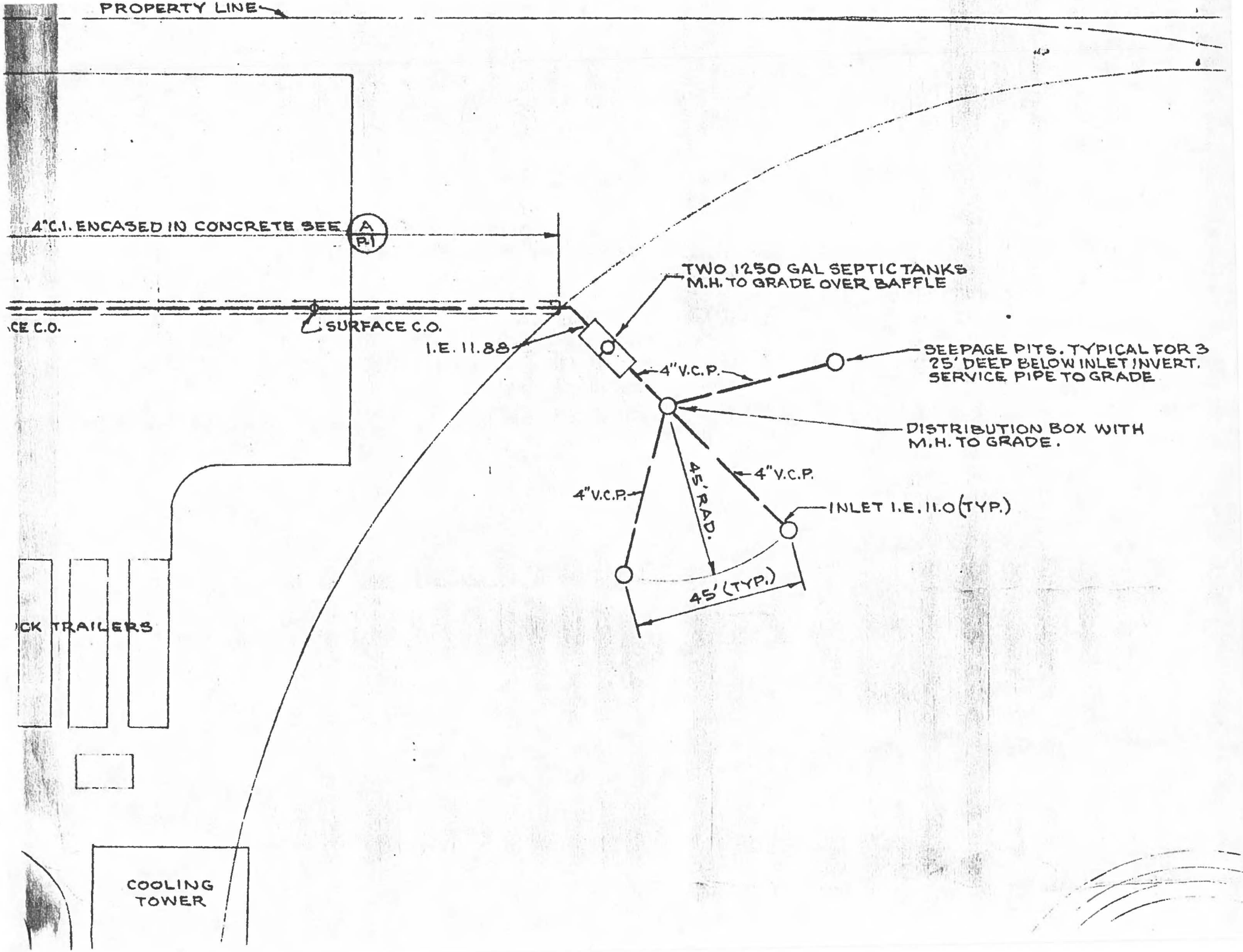
RESULTS: SURROUNDING AREA IS IN A CLEAN STATE.

REMARKS: 0.5 HR

INSPECTOR: _____ INSPECTION DATE: 6/9/99

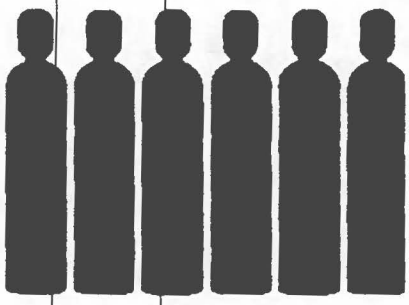
DISP: _____


OFFICE AREA
MAINTENANCE BUILDING
STORAGE YARD
80'
¾"H.B.@+12"
1½" P.T. FOR FUT. YARD SPKRS.
¾"
SD
4"
2"
4"C.I.
INV. EL. 15.58
SURFACE C.O.
5"C.I.
3"C.I.
SCALE
3"
2"
4"C.I.
1½" P.T. FOR FUT. YARD SPKRS.
YARD EQUIPMENT AREA
CONTROL BUILDING & LABORATORY
2"C.I.
EXPANDER
INV. EL. 15.0
SURFACE C.O.
H₂L
SILO
LIN. 1620
PLUG FOR FUT. EXTENSION
HI-PRESSURE GASEOUS HYD.


PROPERTY LINE
4"C.I. ENCASED IN CONCRETE SEE A P.1
SURFACE C.O.
I.E. 11.88
TWO 1250 GAL SEPTIC TANKS M.H. TO GRADE OVER BAFFLE
4"V.C.P.
SEEPAGE PITS. TYPICAL FOR 3 25' DEEP BELOW INLET INVERT. SERVICE PIPE TO GRADE
DISTRIBUTION BOX WITH M.H. TO GRADE.
4"V.C.P.
45' RAD.
4"V.C.P.
INLET I.E. 11.0 (TYP.)
45' (TYP.)
COOLING TOWER

AIR PRODUCTS

FACSIMILE COVER SHEET



File CA
Long Beach
Spec Gas

TO: JARED / CHRIS CHANG
COMPANY: LA COUNTY DPW FIELD INSPECTOR
PHONE: 310-534-4862
FAX: 310-530-5482 / 626-458-3569

FROM: GINGER PATRICK
COMPANY: AIR PRODUCTS
GEG ENVIRONMENTAL W1402
PHONE: 610-481-3354
FAX: 610-481-6186

DATE: 8/11/2000
PAGES INCLUDING THIS COVER PAGE: 5

COMMENTS: JARED, AS PER OUR TELEPHONE CONVERSATION ON THURSDAY 8/10, THE ATTACHED IS SELECT PAGES FROM CLOSURE REPORT FOR THE HYDROGEN PLANT 23320 S. ALAMEDA STREET, CARSON, CA. PLEASE NOTE THAT CLOSURE REPORT PAGE 7 LISTS LA COUNTY PERMIT #3113.

THE ARCO CONTACT WITH KNOWLEDGE OF AIR PRODUCTS AND CHEMICALS, INC INDUSTRIAL COMPRESSED GAS CYLINDER DISTRIBUTION AND TRANSFILL FACILITY CLOSURE IN AUGUAT 1999 IS MIKE KAOUM 213-486-8422.

KUO ENVIRONMENTAL, INC.

Solutions through Science and Technology

CLOSURE REPORT

FOR THE
LONG BEACH HYDROGEN PLANT
23320 South Alameda Street
Carson, California

VOLUME I

Prepared For:

AIR PRODUCTS AND CHEMICALS, INC.
ALLENTOWN, PENNSYLVANIA

September, 1993

Prepared By:

KUO ENVIRONMENTAL, INC.
5455 Garden Grove Blvd./Suite 300
Westminster, CA 92683

EXECUTIVE SUMMARY

The Air Products and Chemicals, Inc. (APCI) site is located at 23320 South Alameda Street in Carson, California, which is bordered by an Atlantic Richfield Company (ARCO) coke facility to the south, Alameda Street and ARCO refinery to the west, a Texaco sulfur recovery plant to the north and Dominguez Channel to the east.

APCI leased the property from ARCO in 1962 to build a cryogenic hydrogen plant. APCI began manufacturing liquid hydrogen at the site in January 1963 and continued this operation until December 1967. APCI re-initiated the production of liquid hydrogen at the plant in January 1972 and continued to operate until March 1986. The plant had been closed for more than 6 years when the demolition of the H_2 plant began in May 1992.

The objective of this H_2 Plant Demolition Project was to consolidate APCI leased land to the minimum space required by the Specialty Gas Division operations at the Alameda Street location in order to reduce the lease costs. The Specialty Gas Division Facility occupies about 5 acres, which are bordering along the Southwestern portion of the property. The remaining 13.5 acres in the northern and eastern portions of the existing leased area accommodated the PSG H_2 Plant and a Cryogenic Vessel Repair Shop. The dismantlement and consolidation work was accomplished in two phases. Phase 1 involved the removal of two large hydrogen storage spheres and the disposal of hazardous materials and wastes throughout the H_2 plant. Completion of Phase 1 enabled APCI to vacate approximately 8 acres of land where the two H_2 spheres and rear truck parking area were located. Phase 2 involved equipment and building demolition in the hydrogen process area. The demolition project was completed in May 1993.

Two preliminary site assessments and a field investigation were conducted, under CERCLA authority, by the EPA. On March 26, 1991, the site screening inspection report discounted two small accidental discharges of hydrocarbons to the Dominguez Channel and instead emphasized potential landfill activities reported to have occurred on-site prior to 1962. On April 11, 1991, EPA recommended that no further remedial action needed to be taken, and has since terminated its interest in the APCI site.

During plant demolition, care was exercised by APCI regarding the resolution of environmental matters. This included such issues as hazardous material and wastes handling/disposal, underground storage tank removal, potassium permanganate scrubber area cleanup, septic tank and leachfield area investigation, and oil/water separator cleanout.

There remains, however, a hydrocarbon soil contamination problem which was discovered in the hydrogen purification area during demolition in November, 1992. The source of this gasoline/diesel like hydrocarbon release is now believed to be the former aboveground diesel and hydrocarbon condensate storage tanks previously located in the Purification Process Area.

In February 1993, a soil gas survey was conducted by Target Environmental in order to determine the extent of the soil contamination. Based on this survey, 19 soil borings were performed by APCI's contractor, IT Corp., in March and May 1993 (See Figures 7 & 8). Using the results from field OVA tests, the soil gas survey, and the borehole sample results, IT Corp. determined the lateral and vertical extent of the contamination at the APCI site (See Figures 9 and 10). The extent of the contamination is approximately 200 feet in the east-west direction, and is approximately 300 feet in the north-south direction. The contamination is approximately 5 feet deep on the extreme boundary and progressively deeper toward the center of the purification area to a maximum of 30 feet deep.

IT Corp. has recommended the use of in-situ soil vapor extraction technology to remediate the volatile fraction of this hydrocarbon condensate contamination, followed by excavation and transport to an off-site asphalt manufacturing plant for the remaining non-volatile fraction. Probable cost and duration of the cleanup is estimated to be approximately 1.8 million dollars over a duration of 1-2 years.

3.0 REVIEW OF ENVIRONMENTAL ISSUES

3.1 Valid Permits for Plant Operations

The APCI H_2 Plant (SIC 2813) is located in the heavy manufacturing zone in the City of Carson. While operating in the periods from 1/63 to 12/67 and from 1/72 to 3/86, the H_2 plant possessed valid operating permits from appropriate agencies for its air emissions and wastewater discharges as follows:

Air Pollution

Air Permits/Registration

SCAQMD Facility ID #003417

Permit #D01586	Hydrogen Manufacturing
P-00784	Boiler #1
P-00785	Boiler #2
P-01714	Flare
P-01837	Hydrogen Storage Tank
P-01838	H2S04 Adsorption System

Water Pollution

15 Apr63	LA County Permit #3113
Feb68	State Permit Resolution #68-4
28Nov74	CA RWQCB NPDES #CA0003085
22May78	Renewed CA0003085
28Nov83	Renewed CA0003085
28Nov88	Rescinded CA0003085

3.2 Accidental Spills and Releases

3.2.1 Small Spills to Dominguez Channel

There were three incidents involving small discharges to the Dominguez Channel as follows:

* On 24 May 1972, - RWQCB noted calcium carbonate deposits at 001 outfall but incorrectly referred to it as sludge deposits/disposal of waste

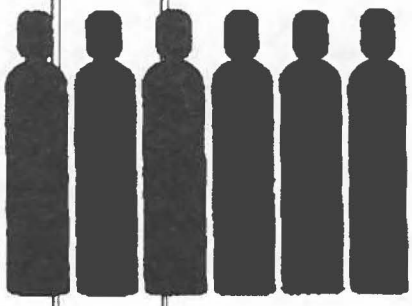
** CONFIRMATION REPORT **

TRANSMISSION
TRANSACTION(S) COMPLETED

NO.	DATE/TIME	DESTINATION	DURATION	PGS	STATUS	MODE
719	AUG. 11 8:33	1 310 530 5482	0° 01' 18"	005	OK	N ECM

AIR PRODUCTS

FACSIMILE COVER SHEET



TO: JARED
COMPANY: LA COUNTY DPW FIELD INSPECTOR
PHONE: 310-534-4862
FAX: 310-530-5482

FROM: GINGER PATRICK
COMPANY: AIR PRODUCTS
GEG ENVIRONMENTAL W1402
PHONE: 610-481-3354
FAX: 610-481-6186

DATE: 8/11/2000
PAGES INCLUDING THIS COVER PAGE: 5

L.A. COUNTY DPW HAZARDOUS MATERIALS SYSTEM REPORT: PWR050.001

DATE COMPILED: 06/25/99 IW INSPECTION JOB ORDER INSP#: I000286931

RUN DATE: 06/01/00 14:04:36 BILLING INVESTIGATION ASSC#:

PAGE: 1

P3113

FILE #: 005186-I05385 NAME: AIR PRODUCTS MFG CORP
ADD: 23320 S ALAMEDA ST
CARSON, CA 90810 AREA: 22 SMD: 95
XSTREET: SEPULVEDA THOMAS GUIDE: 0794-H2
CONTACT: PAUL BUELOW, PLANT MANAGER TEL: 310 518 0430

PROC: SAMPLE REQUIRED? N SAMPLE #: _____

INSP INFO: PLEASE DETERMINE OWNERSHIP (PLEASE SEE ATTACHED DOCUMENTS).

ASSGN TO: CENTINELA VALLEY FIELD OFFICE SECT: FIELD INSPECTION UNIT

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RESULTS: 6/29 Site gated & locked. 8/7 same
8/21 property owned by Arco. (Co. contact Jack Eigenbrood 310. 816. 8445)
8/22 Site visit revealed no processes, exempt area drains or runoff of any kind to Dominguez channel or street. No Haz waste storage @ site.

REMARKS: Air Product left site 8/99. Site used by Arco to store computer peripherals & office furniture such as cabinets, desks, & chairs.

INSPECTOR: J Cressy INSPECTION DATE: 8/22/00

DISP: Comp

ND

L.A. COUNTY DPW HAZARDOUS MATERIALS SYSTEM REPORT: PWR050.001

DATE COMPILED: 06/25/99 IW INSPECTION JOB ORDER INSP#: I000253178

RUN DATE: 04/27/00 14:45:35 STORMWATER PC INSPECTION, NON- ASSC#: P000003113

PAGE: 1

FILE #: 005186-I05385 NAME: AIR PRODUCTS MFG CORP
ADD: 23320 S ALAMEDA ST
CARSON, CA 90810 AREA: 22 SMD: 95
XSTREET: SEPULVEDA THOMAS GUIDE: 0794-H2
CONTACT: PAUL BUELOW, PLANT MANAGER TEL: 310 518 0430

PROC: STORMWATER SAMPLE REQUIRED? N SAMPLE #: _____

INSP INFO: COOLING WATER FROM BUM UNIT OUTSIDE, EAST OF OFFICE BUILDING.

PERM TYPE: I 03 OPERATING PERMIT-OFFSITE-SURFA STATUS: PERMITTED
JURIS: C LOCAL ORDINANCE/CSDLAC EXEMPT
INDUSTRY: 127 NO METALS/CHEMICALS, NEC
FACILITY: 8B OTHER NON-STANDARD FACILITY
SIC: 5161 CHEMICALS & ALLIED PRODUCTS
RDS: RDS AREA: SQ FT

	FREQUENCY	LAST PERFORMED	NEXT DUE
INSPECTION	12	06/09/99	04/15/01
SAMPLE	00		
SELF-MONITOR	03	09/13/99	07/01/00

ASSGN TO: CENTINELA VALLEY FIELD OFFICE SECT: FIELD INSPECTION UNIT

==========

RESULTS: Site used as warehouse for office equipt. (by Arco)
see I 286931 for details. Survey not done

REMARKS: _____

INSPECTOR: J Cuevas INSPECTION DATE: 8/22/00

DISP: _____

L.A. COUNTY DPW — HAZARDOUS MATERIALS SYSTEM — REPORT: PWB150.001
DATE COMPILED: 06/25/99 — IW INSPECTION JOB ORDER — INSP#: I000283119
RUN DATE: 03/30/00 21:05:48 — SCHEDULED INSPECTIONS — ASSC#: P000003113
PAGE: 1

FILE #: 005186-I05385 NAME: AIR PRODUCTS MFG CORP
ADD: 23320 S ALAMEDA ST
CARSON, CA 90810 AREA: 22 SMD: 95
XSTREET: SEPULVEDA THOMAS GUIDE: 0794-H2
CONTACT: PAUL BUELOW, PLANT MANAGER TEL: 310 518 0430

PROC: STD SAMPLE REQUIRED? N

INSP INFO: COOLING WATER FROM BUM UNIT OUTSIDE, EAST OF OFFICE BUILDING.

PERM TYPE: I 03 OPERATING PERMIT-OFFSITE-SURFA STATUS: PERMITTED
JURIS: C LOCAL ORDINANCE/CSDLAC EXEMPT
INDUSTRY: 127 NO METALS/CHEMICALS, NEC
FACILITY: 8B OTHER NON-STANDARD FACILITY
SIC: 5161 CHEMICALS & ALLIED PRODUCTS
RDS: RDS AREA: SQ FT

	FREQUENCY	LAST PERFORMED	NEXT DUE
INSPECTION	12		04/15/00
SAMPLE	00		
SELF-MONITOR	03		04/01/00

ASSGN TO: CENTINELA VALLEY FIELD OFFICE SECT: FIELD INSPECTION UNIT

==========

RESULTS: Site used by Arco as warehouse for office equipmt. See I 286931 for details

REMARKS:

INSPECTOR: J Cuevas INSPECTION DATE: 8/22/00

DISP:

I253178
B.L

ANNUAL INDUSTRIAL WASTE INSPECTION FEE
FOR PERMIT PERIOD: 04/15/00 THROUGH 04/14/01

AIR PRODUCTS MFG CORP
23320 S ALAMEDA ST
CARSON, CA 90810

PERMIT NO: P000003113
FILE NO: 005186 I05385
AREA: 22
DATE: 02/29/00

PERMITTEE MAILING ADDRESS: AIR PRODUCTS MFG CORP
23320 S ALAMEDA ST
CARSON, CA 90810

RETURN TO: LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS
CASHIER UNIT
P. O. BOX 1460
ALHAMBRA, CA 91802

MAKE CHECK PAYABLE TO: L.A. COUNTY DEPARTMENT OF PUBLIC WORKS

****
* AMOUNT DUE: $121.00 *
* DUE DATE: 05/15/00 *
****

IND: 127 NO METALS/CHEMICALS, NEC JURIS: C LOCAL ORDINANCE/CSDLAC EXEMPT PERMIT TYPE: 03 OPERATING PERMIT-OFFSITE-SURFA

FEE TYPE	FEE DESCRIPTION	BALANCE FORWARD	ANNUAL FEE	AMOUNT OWING	
I12	ANNUAL PERMIT FEE		$121.00	$121.00	
	TOTALS		$121.00	$121.00	DUE DATE: 05/15/00

PAYMENTS MUST BE RECEIVED BY 06/15/00. FEE SUBJECT TO A 10% PENALTY FOR EVERY 30 DAYS DELIQUENT PAST THE DUE DATE. PERMITS DELINQUENT 90 DAYS PAST THE DUE DATE ARE SUBJECT TO SUSPENSION.

REFER ALL INQUIRES TO: L.A. COUNTY DEPARTMENT OF PUBLIC WORKS (626) 458-3517
* RETAIN THIS PORTION FOR YOUR RECORDS *

See Attached Letter

AIR PRODUCTS MFG CORP
23320 S ALAMEDA ST
CARSON, CA 90810

ANNUAL INDUSTRIAL WASTE INSPECTION FEE
FOR PERMIT PERIOD: 04/15/00 THROUGH 04/14/01

PERMIT NO: P000003113
FILE NO: 005186 I05385
AREA: 22
DATE: 02/29/00

PERMITTEE MAILING ADDRESS: AIR PRODUCTS MFG CORP
23320 S ALAMEDA ST
CARSON, CA 90810

RETURN TO: LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS
CASHIER UNIT
P. O. BOX 1460
ALHAMBRA, CA 91802

MAKE CHECK PAYABLE TO: L.A. COUNTY DEPARTMENT OF PUBLIC WORKS

****
* AMOUNT DUE: $121.00 *
* DUE DATE: 05/15/00 *
****

REFER ALL INQUIRES TO: L.A. COUNTY DEPARTMENT OF PUBLIC WORKS (626) 458-3517
* RETURN THIS PORTION WITH PAYMENT *

AIR PRODUCTS

Air Products and Chemicals, Inc.
901 W. 12th Street
Long Beach, CA 90813
Telephone (562) 437-0462

23300 where I'm calling

August 11, 1999

Los Angeles County Certified Unified Program Agency
1320 North Eastern Avenue
Los Angeles, CA 90063-3294

Arco - storage of egmt/material

Re: LACo/CUPA Number 005031
Air Products & Chemicals, Inc. — Belongs to Arco
23320 S. Alameda Street #A
~~Carson~~, CA 90810
LB

This letter is to inform you that the above location is closing down and will no longer have hazardous materials on site after August 31, 1999.

Please update your records of this change.

Sincerely,

* Ginger Patrick
*

Shelley Stuart
Plant Manager

562. 437.0462 X14

SS/ed

Greg

cc: Los Angeles County Department of Public Works

L.A. COUNTY DPW — HAZARDOUS MATERIALS SYSTEM — REPORT: PWB150.001
DATE COMPILED: 01/06/04 — IW INSPECTION JOB ORDER — INSP#: I000458584
RUN DATE: 07/28/05 19:03:22 — SCHEDULED INSPECTIONS — ASSC#: P000364415
PAGE: 1

FILE #: 005107-038004 NAME: HUNTINGTON 76 & CAR WASH
ADD: 1250 E HUNTINGTON DR
DUARTE, CA 91010 AREA: 3R SMD: 15
XSTREET: BUENA VISTA ST THOMAS GUIDE: 0568-A5
CONTACT: MIKE BANDIKIAN, LEASEE/BUS.OWN TEL: 626 357 6812
AIN: 8530 016 001

PROC: STD SAMPLE REQUIRED? N

INSP INFO: 3 1500 GAL CLARIFIERS IN DRIVEWAY EAST OF CAR WASH

PERM TYPE: I 01 OPERATING PERMIT-LOCAL SEWER STATUS: PERMITTED
JURIS: C LOCAL ORDINANCE/CSDLAC EXEMPT
INDUSTRY: 204 CAR WASH
FACILITY: 4E >1250 GAL, 3 COMP, PRECAST
SIC: 7542 CAR WASHES
RDS: RDS AREA: SQ FT

	FREQUENCY	LAST PERFORMED	NEXT DUE
INSPECTION	04		08/07/05
SAMPLE	00		
SELF-MONITOR	00		

ASSGN TO: SAN GABRIEL VLY FIELD OFFICE SECT: FIELD INSPECTION UNIT

==========

RESULTS: Wash area is clean w/ no runoff observed to storm drains. Owner not on site at time of inspection. Info for pumping manifest. BMP's adequate. Trap not accessible.

REMARKS:

INSPECTOR: Warren Watanabe INSPECTION DATE: 8-16-05

DISP: FOLL / WW

LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS
ENVIRONMENTAL PROGRAMS DIVISION

NOTICE

Date: 8-16-05 File No.: 005107-038004

To: MIKE BANDIKIAN Permit No.: P 0005644 15

Site Name: HUNTINGTON 76 & CAR WASH Violation No.: V 0004597 73

Site Address: 1250 E Huntington Dr. Duarte CA. 91010

Mailing Address: SAME AS ABOVE

Violation/Instructions:

[ ] Excessive oil/grease/solids in the Industrial Waste Treatment Facilities.
[ ] Rain Diversion System is not working properly.
[ ] Discharging wastewater to ground, public, or private property.
[ ] Industrial Waste Treatment Facilities are not built according to approved plans.
[ ] Denied access to Inspector.
[ ] You must submit a letter to this office outlining the steps that will correct the improper disposal of industrial waste and/or wastewater.
[X] You are required to pump the grease trap/interceptor and maintain the Industrial Waste Treatment Facility in proper working condition at all times.
[X] Other: You must submit the most recent pumping manifest for your clarifier. If no recent manifest exists (within 2005), you must have the clarifier pumped and submit the manifest. FAX (626) 821-1471

[X] You are required to have the above violation(s) correction by August 31 2005 and telephone the office shown below for a return inspection.

If you have any questions regarding this matter, please contact ~~UNKNOWN~~ DON WOLFE Monday through Friday, 8 a.m. to 9:30 a.m., at (626) 574-0967.

Very truly yours,

DON WOLFE

~~JAMES A. NOYES~~

Director of Public Works

Waste Control Engineering Inspector

By: _____

Environmental Programs Division

Enc.

D:Joe/Viol.Not
Revised 11/13/02

Address all correspondence to:

Los Angeles County
Department of Public Works
Environmental Programs Division
125 S. Baldwin Avenue
Arcadia, CA 91007-2652

L.A. COUNTY DPW | HAZARDOUS MATERIALS SYSTEM | REPORT: PWR050.001

DATE COMPILED: 06/25/99 | IW INSPECTION JOB ORDER | INSP#: I000325459

RUN DATE: 08/20/01 08:50:15 | BILLING INVESTIGATION | ASSC#: P000003113

PAGE: 1

FILE #: 005186-I05385 NAME: AIR PRODUCTS MFG CORP
ADD: 23320 S ALAMEDA ST
CARSON, CA 90810 AREA: 22 SMD: 95
XSTREET: SEPULVEDA THOMAS GUIDE: 0794-H2
CONTACT: PAUL BUELOW, PLANT MANAGER TEL: 310 518 0430

PROC: BILLING SAMPLE REQUIRED? N SAMPLE #: _____

INSP INFO: DETERMINE STATUS OF IW FACILITY AND OWNERSHIP. HAND DELIVER BILLING.

PERM TYPE: I 03 OPERATING PERMIT-OFFSITE-SURFA STATUS: PERMITTED
JURIS: C LOCAL ORDINANCE/CSDLAC EXEMPT
INDUSTRY: 127 NO METALS/CHEMICALS, NEC
FACILITY: 8B OTHER NON-STANDARD FACILITY
SIC: 5161 CHEMICALS & ALLIED PRODUCTS
RDS: RDS AREA: SQ FT

	FREQUENCY	LAST PERFORMED	NEXT DUE
INSPECTION	12	05/03/01	04/15/02
SAMPLE	00		
SELF-MONITOR	03	10/26/00	10/01/01

ASSGN TO: CENTINELA VALLEY FIELD OFFICE SECT: FIELD INSPECTION UNIT

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RESULTS: Site mfg. demolished and rebuilt at 23300 Alameda 18611-026470 P# 249905. Close-out I.W. file. with I# 286931 and Kuo Enviro Closure Report. Demo Complete 5/93.

REMARKS: _____

INSPECTOR: R. Ruiz. INSPECTION DATE: 8-28-01

DISP: COMP/ED

MB

AUGUST 20, 2001

AIR PRODUCTS MFG CORP
7201 HAMILTON BLVD
ALLENTOWN, PA 18195-1501

FILE #: 005186-I05385-22
CORR #: C000325458
ASSC #: P000003113

INDUSTRIAL WASTE INSPECTION FEE
BILL INVESTIGATION

THE ANNUAL INDUSTRIAL WASTE INSPECTION FEES DUE AND PAST DUE FOR THE SUBJECT FACILITY HAVE BEEN REVIEWED. THE REMAINING FEES, DESCRIBED BELOW AND TOTALED ON THE ENCLOSED DUPLICATE BILL, ARE DUE AND PAYABLE NOW. A 10% PENALTY MAY BE ASSESSED FOR ACCOUNTS THAT ARE DELINQUENT 30 DAYS PAST THE DUE DATE. PLEASE INCLUDE THE BILL STUB WITH PAYMENT TO INSURE PROPER CREDIT.

UPON REVIEW OF YOUR FILE WE FIND:

ANNUAL INSPECTION FEES 04/15/00 TO 04/14/02	244.00
PENALTY FEES	81.99
TOTAL	325.99

ANY FURTHER QUESTIONS SHOULD BE DIRECTED TO:

ENVIRONMENTAL PROGRAMS DIVISION
LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
900 SOUTH FREMONT AVENUE
ALHAMBRA, CA 91803-1331

TELEPHONE: (626) 458-3517

OFFICE HOURS: 7:00 AM TO 5:30 PM, MONDAY THROUGH THURSDAY

BY:

M Baiocco

JOSEPH BAIOCCO
SUPV WASTE CONTROL ENG INSPECT
ENVIRONMENTAL PROGRAM DIV.

ANNUAL INDUSTRIAL WASTE INSPECTION FEE

DUPLICATE BILL

AIR PRODUCTS MFG CORP
23320 S ALAMEDA ST
CARSON, CA 90810

PERMIT NO: P000003113
FILE NO: 005186 I05385
AREA: 22
DATE: 08/20/01

PERMITTEE MAILING ADDRESS: AIR PRODUCTS & CHEMICAL INC
7201 HAMILTON BLVD
ALLENTOWN, PA 18195-1501

RETURN TO: LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS
CASHIER UNIT
P. O. BOX 1460
ALHAMBRA, CA 91802

MAKE CHECK PAYABLE TO: L.A. COUNTY DEPARTMENT OF PUBLIC WORKS

****
$325.99 *
* DUE DATE: 09/20/01 *
****

IND: 127 NO METALS/CHEMICALS, NEC JURIS: C LOCAL ORDINANCE/CSDLAC EXEMPT PERMIT TYPE: 03 OPERATING PERMIT-OFFSITE-SURFA

FEE TYPE	FEE DESCRIPTION	AMOUNT OWING
I12	ANNUAL PERMIT FEE	$244.00
Z13	PERMIT PENALTY BILLI	$81.99
	TOTAL	$325.99

DUE DATE: 09/20/01

REFER ALL INQUIRES TO: L.A. COUNTY DEPARTMENT OF PUBLIC WORKS (626) 458-3517
* RETAIN THIS PORTION FOR YOUR RECORDS *

AIR PRODUCTS MFG CORP
23320 S ALAMEDA ST
CARSON, CA 90810

ANNUAL INDUSTRIAL WASTE INSPECTION FEE

DUPLICATE BILL

PERMIT NO: P000003113
FILE NO: 005186 I05385
AREA: 22
DATE: 08/20/01

PERMITTEE MAILING ADDRESS: AIR PRODUCTS & CHEMICAL INC
7201 HAMILTON BLVD
ALLENTOWN, PA 18195-1501

RETURN TO: LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS
CASHIER UNIT
P. O. BOX 1460
ALHAMBRA, CA 91802

MAKE CHECK PAYABLE TO: L.A. COUNTY DEPARTMENT OF PUBLIC WORKS

****
$325.99 *
* DUE DATE: 09/20/01 *
****

REFER ALL INQUIRES TO: L.A. COUNTY DEPARTMENT OF PUBLIC WORKS (626) 458-3517
* RETURN THIS PORTION WITH PAYMENT *

.A. COUNTY DPW HAZARDOUS MATERIALS SYSTEM REPORT: PWR050.001

ATE COMPILED: 06/25/99 IW INSPECTION JOB ORDER INSP#: I000286931

UN DATE: 06/01/00 14:04:36 BILLING INVESTIGATION ASSC#:

PAGE: 1

FILE #: 005186- NAME: AIR PRODUCTS MFG CORP

ADD: [redacted]AMEDA ST

CARSON, CA 90810 AREA: 22 SMD: 95

XSTREET: SEPULVEDA THOMAS GUIDE: 0794-H2

CONTACT: PAUL BUELOW, PLANT MANAGER TEL: 310 518 0430

PROC: SAMPLE REQUIRED? N SAMPLE #: _____

NSP INFO: PLEASE DETERMINE OWNERSHIP (PLEASE SEE ATTACHED DOCUMENTS).

ASSGN TO: CENTINELA VALLEY FIELD OFFICE SECT: FIELD INSPECTION UNIT

RESULTS: have NPDES permit? ← 23320 - closed tnks, CT here? 23300 - site visited - NPDES

REMARKS: 23320 site - CT removed & filled w/ bleed off to channel (3/71)
- NPDES 3085 - discharge to D Channel (12/74) ← CT bleed off boiler, blowdn wash w/ from operating areas expires 7/78
- Sales & distribution (3/71)
- w/ cooled air compressor to channel (5/70)
plant shut dwn (6/88)
- waste (from H2 stripping) to underground (3/63)
- Hand (cesspools) & septic tks → seepage pits (domestic waste) (3/63)
- tk's, sumps, fs's (3/63)

INSPECTOR: _____ INSPECTION DATE: 6/29

DISP: _____

what activity?

23300 site - overlap of activities w/ 23320 site
? - NPDES #
- P249905 (county)

626.794.0750

s/d 3/88 dismantled

Air Product Mfg Corp - H2 production

23320 " " & Chemcals Inc. 8/99 - closed - given to H2 Go - Industrial Gas

23300 - brand name ... Compressed Gas Cylinder Distr

COUNTY DPW HAZARDOUS MATERIALS SYSTEM REPORT: PWR050.001

COMPILED: 06/25/99 IW INSPECTION JOB ORDER INSP#: I000286931

ON DATE: 06/01/00 14:04:36 BILLING INVESTIGATION ASSC#:

P3/13 PAGE: 1

FILE #: 005186-I05385 NAME: AIR PRODUCTS MFG CORP
ADD: 23320 S ALAMEDA ST
CARSON, CA 90810 AREA: 22 SMD: 95
XSTREET: SEPULVEDA THOMAS GUIDE: 0794-H2
CONTACT: PAUL BUELOW, PLANT MANAGER TEL: 310 518 0430

PROC: SAMPLE REQUIRED? N SAMPLE #: _____

INSP INFO: PLEASE DETERMINE OWNERSHIP (PLEASE SEE ATTACHED DOCUMENTS).

ASSGN TO: CENTINELA VALLEY FIELD OFFICE SECT: FIELD INSPECTION UNIT

==========

RESULTS: 6/29 Site gated & locked, 8/7 same
8/21 Property owned by Arco; Co. contact Jack Eigenbrod 310. 816. 3485
8/22 Site visit revealed no processes, exempt area drains on runoff of any kind to Dominguez channel or street. No Haz waste storage @ site.

REMARKS: Air Products left site 8/99. Site used by Arco to store computer peripherals & office furniture such as cabinets, desks, & chairs.

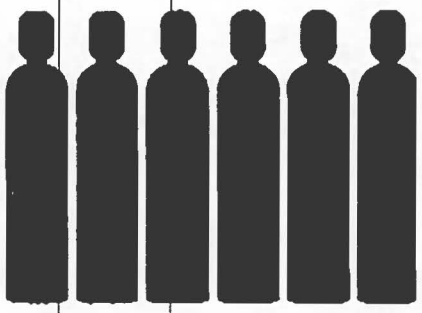
INSPECTOR: J Cressy INSPECTION DATE: 8/22/00

DISP: _____

(1)

AIR PRODUCTS

FACSIMILE COVER SHEET



File CA
Long Beach
Spec Gas

TO: JARED / CHRIS CHANG
COMPANY: LA COUNTY DPW FIELD INSPECTOR
PHONE: 310-534-4862
FAX: 310-530-5482 / 626-458-3569

FROM: GINGER PATRICK
COMPANY: AIR PRODUCTS
GEG ENVIRONMENTAL W1402
PHONE: 610-481-3354
FAX: 610-481-6186

DATE: 8/11/2000
PAGES INCLUDING THIS COVER PAGE: 5

COMMENTS: JARED, AS PER OUR TELEPHONE CONVERSATION ON THURSDAY 8/10, THE ATTACHED IS SELECT PAGES FROM CLOSURE REPORT FOR THE HYDROGEN PLANT 23320 S. ALAMEDA STREET, CARSON. CA. PLEASE NOTE THAT CLOSURE REPORT PAGE 7 LISTS LA COUNTY PERMIT #3113.

THE ARCO CONTACT WITH KNOWLEDGE OF AIR PRODUCTS AND CHEMICALS, INC INDUSTRIAL COMPRESSED GAS CYLINDER DISTRIBUTION AND TRANSFILL FACILITY CLOSURE IN AUGUAT 1999 IS MIKE KAOUM 213-486-8422.

KUO ENVIRONMENTAL, INC.

Solutions through Science and Technology

CLOSURE REPORT

FOR THE
LONG BEACH HYDROGEN PLANT
23320 South Alameda Street
Carson, California

VOLUME I

Prepared For:

AIR PRODUCTS AND CHEMICALS, INC.
ALLENTOWN, PENNSYLVANIA

September, 1993

Prepared By:

KUO ENVIRONMENTAL, INC.
5455 Garden Grove Blvd./Suite 300
Westminster, CA 92683

EXECUTIVE SUMMARY

The Air Products and Chemicals, Inc. (APCI) site is located at 23320 South Alameda Street in Carson, California, which is bordered by an Atlantic Richfield Company (ARCO) coke facility to the south, Alameda Street and ARCO refinery to the west, a Texaco sulfur recovery plant to the north and Dominguez Channel to the east.

APCI leased the property from ARCO in 1962 to build a cryogenic hydrogen plant. APCI began manufacturing liquid hydrogen at the site in January 1963 and continued this operation until December 1967. APCI re-initiated the production of liquid hydrogen at the plant in January 1972 and continued to operate until March 1986. The plant had been closed for more than 6 years when the demolition of the H_2 plant began in May 1992.

The objective of this H_2 Plant Demolition Project was to consolidate APCI leased land to the minimum space required by the Specialty Gas Division operations at the Alameda Street location in order to reduce the lease costs. The Specialty Gas Division Facility occupies about 5 acres, which are bordering along the Southwestern portion of the property. The remaining 13.5 acres in the northern and eastern portions of the existing leased area accommodated the PSG H_2 Plant and a Cryogenic Vessel Repair Shop. The dismantlement and consolidation work was accomplished in two phases. Phase 1 involved the removal of two large hydrogen storage spheres and the disposal of hazardous materials and wastes throughout the H_2 plant. Completion of Phase 1 enabled APCI to vacate approximately 8 acres of land where the two H_2 spheres and rear truck parking area were located. Phase 2 involved equipment and building demolition in the hydrogen process area. The demolition project was completed in May 1993.

Two preliminary site assessments and a field investigation were conducted, under CERCLA authority, by the EPA. On March 26, 1991, the site screening inspection report discounted two small accidental discharges of hydrocarbons to the Dominguez Channel and instead emphasized potential landfill activities reported to have occurred on-site prior to 1962. On April 11, 1991, EPA recommended that no further remedial action needed to be taken, and has since terminated its interest in the APCI site.

During plant demolition, care was exercised by APCI regarding the resolution of environmental matters. This included such issues as hazardous material and wastes handling/disposal, underground storage tank removal, potassium permanganate scrubber area cleanup, septic tank and leachfield area investigation, and oil/water separator cleanout.

There remains, however, a hydrocarbon soil contamination problem which was discovered in the hydrogen purification area during demolition in November, 1992. The source of this gasoline/diesel like hydrocarbon release is now believed to be the former aboveground diesel and hydrocarbon condensate storage tanks previously located in the Purification Process Area.

In February 1993, a soil gas survey was conducted by Target Environmental in order to determine the extent of the soil contamination. Based on this survey, 19 soil borings were performed by APCI's contractor, IT Corp., in March and May 1993 (See Figures 7 & 8). Using the results from field OVA tests, the soil gas survey, and the borehole sample results, IT Corp. determined the lateral and vertical extent of the contamination at the APCI site (See Figures 9 and 10). The extent of the contamination is approximately 200 feet in the east-west direction, and is approximately 300 feet in the north-south direction. The contamination is approximately 5 feet deep on the extreme boundary and progressively deeper toward the center of the purification area to a maximum of 30 feet deep.

IT Corp. has recommended the use of in-situ soil vapor extraction technology to remediate the volatile fraction of this hydrocarbon condensate contamination, followed by excavation and transport to an off-site asphalt manufacturing plant for the remaining non-volatile fraction. Probable cost and duration of the cleanup is estimated to be approximately 1.8 million dollars over a duration of 1-2 years.

3.0 REVIEW OF ENVIRONMENTAL ISSUES

3.1 Valid Permits for Plant Operations

The APCI H_2 Plant (SIC 2813) is located in the heavy manufacturing zone in the City of Carson. While operating in the periods from 1/63 to 12/67 and from 1/72 to 3/86, the H_2 plant possessed valid operating permits from appropriate agencies for its air emissions and wastewater discharges as follows:

Air Pollution

Air Permits/Registration
SCAQMD Facility ID #003417
Permit #D01586 Hydrogen Manufacturing

P-00784	Boiler #1
P-00785	Boiler #2
P-01714	Flare
P-01837	Hydrogen Storage Tank
P-01838	H2S04 Adsorption System

Water Pollution

15 Apr63	LA County Permit #3113
Feb68	State Permit Resolution #68-4
28Nov74	CA RWQCB NPDES #CA0003085
22May78	Renewed CA0003085
28Nov83	Renewed CA0003085
28Nov88	Rescinded CA0003085

3.2 Accidental Spills and Releases

3.2.1 Small Spills to Dominguez Channel

There were three incidents involving small discharges to the Dominguez Channel as follows:

* On 24 May 1972, - RWQCB noted calcium carbonate deposits at 001 outfall but incorrectly referred to it as sludge deposits/disposal of waste

COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS

Waste Management Division

INSPECTOR'S REPORT

TO: Joe Baiocco DATE: 9-17-01

FROM: R. McDonald FILE: 5186-I05385

INDUSTRY: Air Products Mfg.
23320 S. Alameda St., Carson

REPORT: Regarding past inspections. Per Wanda inspection of # 313622 was of existing site at the 23300 Alameda (1861-26470). Previous inspections were of any operation going on at Air Product site.

38-0002 DPW 10/86

SOUTHERN PACIFIC SPUR

PROPERTY LINE

EXISTING FENCE

OFFICE AREA | MAINTENANCE BUILDING | STORAGE YARD

80'

4" C.I. ENCASED IN CONCRETE SEE (A) (P-1)

TWO 1250 GAL SEPTIC TANKS W/ M.H. TO GRADE OVER BAFFLE

SEEPAGE PITS, TYPICAL FOR 3
25' DEEP BELOW INLET INVERT.
SERVICE PIPE TO GRADE.

DISTRIBUTION BOX WITH M.H. TO GRADE.

4" V.C.P.

45° (TYP.)

45'-0" R.D.

(INLET I.E. 11.0 (TYP.)

I.E. 11.88

SURFACE C.O.

¾" H.B. @ +12"
1½" P.T. FOR FUT. YARD SPKRS.

4" C.I.
INV. EL. 16.58
SURFACE C.O.

SCALE

VARD EQUIPMENT AREA

CONTROL BUILDING & LABORATORY

EXPANDSP.

INV. EL. 15.0
SURFACE C.O.

PLUG FOR FUT. EXTENSION.

N₂ BOX

1½" PLUGGED FOR FUT. EXTENSION.

H₂ L

LIN. 162.0

H₂ PRESSURE GAS HOLDER STORAGE

TRUCK TRAILERS

COOLING TOWER

COMPRESSOR SHELTER

COMPRESSOR SHELTER

SWITCH GEAR

COMPRESSOR SHELTER

ELECTRICAL SUB-STATION

N₂ GEN

NITROGEN SHELTER

ROADWAY

EDGE OF PAVEMENT

℄ ALAMEDA STREET

EDGE OF PAVEMENT

CURB

PARKING AREA

SOU. PACIFIC R.R.

¾" H.B. @ +12" LK. STOP IN RISE (TYP. FOR 3)

1½" P.T. FOR FUT. YARD SPKRS.

S.O.V. IN V.B.

CONNECT TO WATER METER FURNISHED BY WATER CO. 100 G.P.M. DOMESTIC DEMAND.

¾" H.B. @ +12" (TYP. FOR 5)

CURB

PROP. LINE

¾"

SITE

ALAMEDA STREET

1350'±

SEPULVEDA BLVD.

N.

LOCATION PLAN
NO SCALE

COMPACTED BACKFILL

4" C.I. SEWER

UNDISTURBED EARTH

FILL TRENCH WITH CONCRETE AROUND SEWER - SEE PLAN

DETAIL (A) (P-1)
1" = 1'-0"

FENCE

PROPERTY LINE

N.

PLOT PLAN
1" = 30'-0"

GENERAL NOTES:
1. YARD PIPING IS TO BE CO-ORDINATED WITH TOTAL FACILITY REQUIREMENTS.
2. STORM DRAINS FROM BUILDINGS SHALL BE CONNECTED TO STORM DRAIN SYSTEM BY OTHERS.
3. FIRE PROTECTION TO BUILDING SHALL BE CONNECTED TO FIRE PROTECTION SYSTEM BY OTHERS.

L.A. COUNTY FLOOD CONTROL CONDUIT & CHANNEL

TOE OF SLOPE

STONE REVETMENT

EXISTING ACCESS ROAD

PROP. LINE

1 | 5/4/62 | PLOT PLAN | DFTMN
REVISION | DATE | DESCRIPTION

DANIEL, MANN, JOHNSON & MENDENHALL
3325 WILSHIRE BOULEVARD • LOS ANGELES 5, CALIFORNIA • DUNKIRK 1-3663
PLANNING · ARCHITECTURE · ENGINEERING

PREPARED FOR
AIR PRODUCTS & CHEMICALS, INC.
ALLENTOWN, PENNA.

SHEET TITLE: PLUMBING SITE PLAN
JOB TITLE: HYDROGEN FACILITY
23920 SOUTH ALAMEDA STREET
COUNTY OF LOS ANGELES, CALIF.

DRAWN BY: H.G.WRAY
CHECKED BY: W.M. JOHNCOX
APPROVED BY: R. WESTERFIELD
JOB NO. 156-1-1
SHEET NO. P-1
DATE 3/9/62

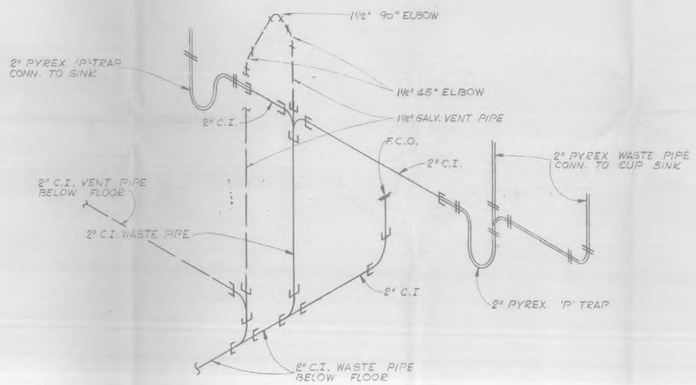
APR 2 1962

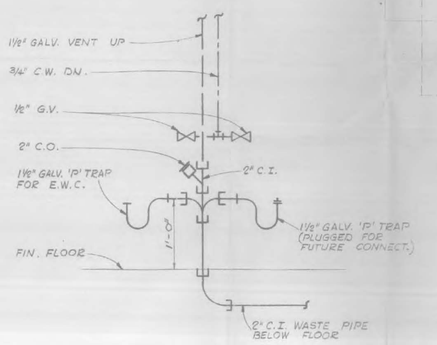
PLUMBING FIXTURE SCHEDULE

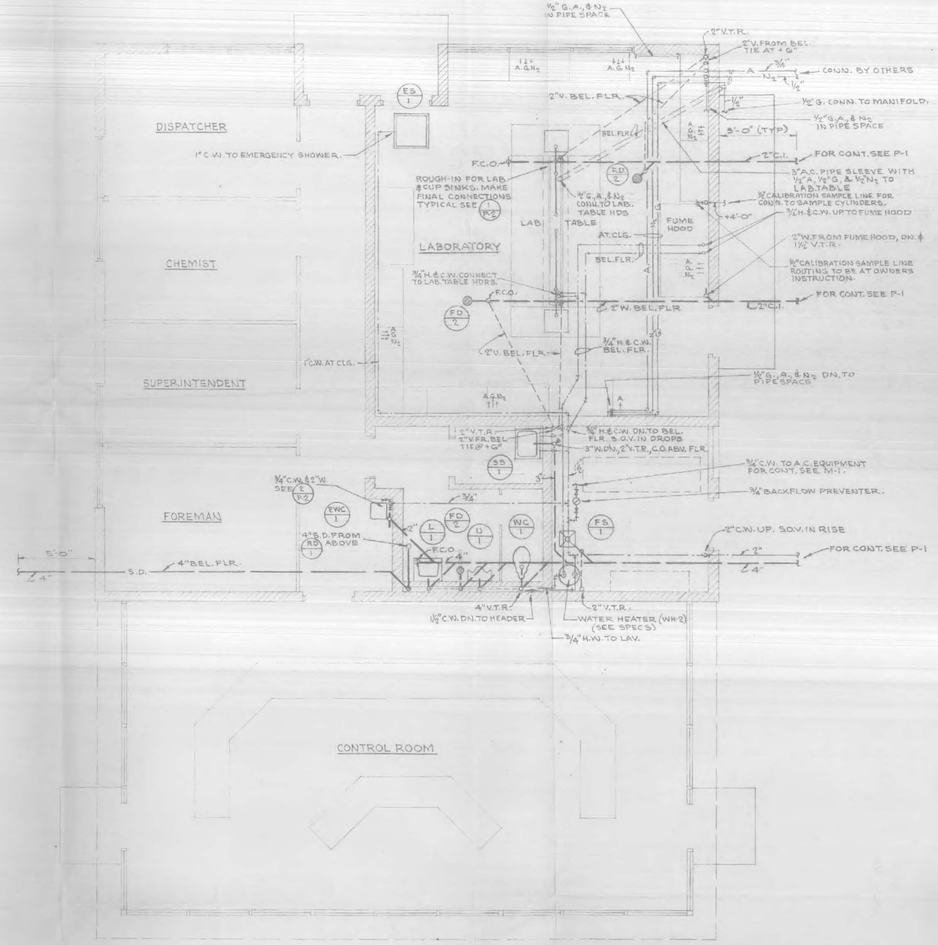
Mark Number / Fixture	Size / Type	Manufacturer & Model	Color	Carrier (C) / Trap (T)	Pipe Connections (S = Soil or Waste, V = Vent, CW = Cold Water, HW = Hot Water)				Remarks, Notes / Accessories
(WC) 1	STANDARD ELONGATED	AMERICAN-STANDARD MADERA	WHITE	C: FLOOR-MOUNTED	S	4"	V	2"	FLUSH VALVE : SLOAN 110 FYV
WATER CLOSET	FLUSH-VALVE SIPHON-JET	F-2228		T: INTEGRAL	CW	1"	HW	-	SEAT : OPEN FRONT, BLACK, CHURCH 9500
(UR) 1	STANDARD	AMERICAN-STANDARD CASAL	WHITE	C: WALL HUNG	S	2"	V	1½"	FLUSH VALVE : SLOAN 186 YV
URINAL	FLUSH-VALVE BLOWOUT	F-3230		T: 2" CAST IRON 'P' TRAP	CW	¾"	HW	-	
(L) 1	20" x 18"	AMERICAN-STANDARD NEW LUCERNE	WHITE	C: ZURN Z1231 SERIES	S	2"	V	1½"	TRIM : N 3001 HERITAGE
LAVATORY	STANDARD	F-351-40		T: 1¼" I.A. PATTERN C.P.	CW	½"	HW	½"	WALL SUPPLIES : B-2604
(SS) 1	22" x 18"	AMERICAN-STANDARD ARSO	WHITE	C: WALL MOUNTED	S	3"	V	2"	FAUCET : B-5020T. FAUCET: R-5125 IN OFFICE BLDG. AREA-120, ONLY.
SERVICE SINK	PLAIN BACK	P-7701		T: AMER. STAND. 3" P-7798	CW	¾"	HW	¾"	
(SH) 1		BRADLEY TYPE LMD		C: WALL-MOUNTED	S	-	V	-	PACKAGED UNIT W/ ADJUST. SHOWER HEADS & SOAP TRAYS
SHOWER	SEMI-CIRCULAR STAINLESS STEEL			T	CW	¾"	HW	¾"	SINGLE HANDLE PRESS. BALANCING MIX. VALVES
(EW) 1	14½" x 13⅛" x 33⅛"	LARCO MODEL PA-9		C: FLOOR MOUNTED	S	2"	V	1½"	2 GAL. S/S STORAGE TANK. PUSH BUTTON & FOOT OPERATED
ELECTRIC WATER COOLER	STAINLESS STEEL TOP			T: 1½" I.A. PATTERN	CW	½"	HW	-	1/8 H.P.
(ES) 1	STANDARD	LOGAN MODEL SE-5040R		C: WALL HUNG	S	-	V	-	6 OVERHEAD EXPOSED SHOWER HEADS
EMERGENCY SHOWER				T	CW	1"	HW	-	FOOT OPERATED VALVE. PROVIDE WALL HUNG INSTALLATION
(WS) 1	36" DIA.	BRADLEY TYPE BF13	AS SELECTED	C: FLOOR MOUNTED	S	2"	V	1½"	FOOT OPERATED
WASHFOUNTAIN	CIRCULAR GRANITO. BOWL			T: INTEGRAL	CW	¾"	HW	¾"	
(FD) 1	6" x 6"	JOSAM 300 SERIES		C	S	3"	V	2"	STRAINER : JOSAM TYPE 86-S WHITE METAL
FLOOR DRAIN	CAST IRON			T: 3" C.I. 'P' TRAP	CW	-	HW	-	
(FD) 2	4" x 4"	JOSAM 300 SERIES		C	S	2"	V	1½"	STRAINER : JOSAM TYPE 34-B C.P. BRASS
FLOOR DRAIN	CAST IRON			T: 2" C.I. 'P' TRAP	CW	-	HW	-	
(FD) 3		JOSAM 310 SERIES		C	S	3"	V	2"	8" DIA. GRATE
FLOOR DRAIN	CAST IRON			T: 3" C.I. 'P' TRAP	CW	-	HW	-	
(RS) 1	12" x 12" x 8"	GREENBERG SERIES P-2101		C	S	2"	V	1½"	FULL GRATE & SEMI-DOME STRAINER
FLOOR SINK	ACID RESIST. ENAMELED C.I.			T: C.I. 'P' TRAP	CW	-	HW	-	
(RD) 1	12" DIA.	JOSAM 400 SERIES		C	SD	4"	V	-	W/REMOVABLE DOME & SEDIMENT CUP CAULKED OUTLET & FLASHING CLAMP DEVICE INTEGRAL WITH GRAVEL STOP.
ROOF DRAIN	CAST IRON			T	CW	-	HW	-	
(FHC) 1	30" x 5⅞" x 30"	STANDARD FIRE HOSE COMPANY		C	S	-	V	-	HOSE LENGTH : 75' DIA. : 2" DOOR STILE : BG
FIRE HOSE CABINET		HOSE UNIT 76 CAB. 2 x 30S X		T	CW	2"	HW	-	EXTINGUISHER : 21/2 # CO_2

PLUMBING SYMBOLS & ABBREVIATIONS

	SOIL & WASTE ABOVE GRADE
	SOIL & WASTE BELOW GRADE
IW	INDUSTRIAL WASTE
SD	STORM DRAIN S.D.
	SANITARY VENT V
CW	COLD WATER C.W.
HW	HOT WATER H.W.
HWR	HOT WATER RETURN H.W.R.
T	TEMPERED WATER T.W.
180°	180° TEMPERATURE WATER
S	SOFT WATER S.W.
F	FIRE SPRINKLER LINE
C&SP	COMBINATION STANDPIPE C&SP
W&SP	WET STANDPIPE W&SP
SL	SOAP LINE
A	AIR LINE
IND	INDUSTRIAL WATER I.W.
IL	IRRIGATION LINE
G	PROPANE GAS
N_2	NITROGEN
GATE V.	SHUT-OFF VALVE OR GATE VALVE
C.V.	CHECK VALVE
GL.V.	GLOBE VALVE
G.C.	GAS COCK
B.C.	BALANCING COCK
P.R.V.	PRESSURE REDUCING VALVE
P.REL.V.	PRESSURE RELIEF VALVE
P.T.REL.V.	PRESS. & TEMPERATURE RELIEF VALVE
	UNION
C.O.	CLEANOUT
W.C.O.	WALL CLEANOUT
H.B.	HOSE BIBB
UP	RISER
DN.	DROP
ABV.	ABOVE
A.B.	ACCESS BOX
A.P.	ACCESS PANEL
BEL.	BELOW
CONT.	CONTINUATION
C.O.T.G.	CLEANOUT TO GRADE
CLG.	CEILING
C.I.	CAST IRON
C.B.	CATCH BASIN
D.S.	DOWNSPOUT
EXIST.	EXISTING
EXP.	EXPOSED
E.H.C.I.	EXTRA HEAVY CAST IRON
F.H.	FIRE HYDRANT
F.H.C.	FIRE HOSE CABINET
F.H.R.	FIRE HOSE RACK
F.E.	FIRE EXTINGUISHER
F.E. & C.	FIRE EXTINGUISHER & CABINET
F.G.	FINISHED GRADE
F.IN. FLR.	FINISHED FLOOR
I.E.	INVERT ELEVATION
M.H.	MANHOLE
N.I.C.	NOT IN CONTRACT
P.T.	PLUGGED TEE
P.Y.	PLUGGED WYE
R.I. & C.	ROUGH-IN & CONNECT







FLOOR PLAN

SCALE: ¼" = 1'-0"

GENERAL NOTES:

ALL COLD AND HOT WATER FIXTURE OUTLETS IN LABORATORY SHALL BE PROVIDED WITH VACUUM BREAKERS BY EQUIPMENT SUPPLIER.

AIR, PROPANE AND NITROGEN SERVICES FOR OUTLETS SHOWN, ARE TO BE RUN IN PIPE SPACE IN BACK OF CABINETS AND FINAL CONNECTIONS MADE.

E-385

3/4" C.W. DN. TO H/B. APPROX. 30" ABOVE FIN. FLOOR

1 1/2" V.T.R.

2" V. BEL. FLOOR

F.C.O.

F.D. 3

3" W. BEL. FLOOR

126

127

128

129

2" FIRE LINE BETW. JOISTS APPROX. 11'-0" ABOVE FIN. FLOOR

2" FIRE LINE (FOR CONT. SEE SHEET P-3

1 1/2" W. DN. & 1 1/2" V.T.R.

F.C.O.

E.W.C. 1

2" W. BEL. FLOOR (FOR CONT. SEE SHEET P-3

134

3/4" C.W. DN. TO E.W.C.

3/4" C.W. ABOVE CLG. (FOR CONT. SEE SHEET P-3

3/4" C.W. ADJACENT TO WEB OF STEEL FRAME

132

F.C.O.

F.D. 3

3" W. BEL. FLOOR

2" V. BEL. FLOOR

133

2" FIRE LINE UP TO PURLIN SPACE

3/4" C.W. UP TO PURLIN SPACE

1 1/2" V.T.R.

FOR CONT. SEE SHEET P-1

2" FIRE LINE & 3/4" C.W. IN PURLIN SPACE

131

F.D. 3

F.C.O.

2" V. BEL. FLOOR

3" W. BEL. FLOOR

F.H.C. 1

2" FIRE LINE DN TO F.H.C.

1 1/2" V.T.R.

5'-0" (TYP.)

3" W. BEL. FLOOR

3/4" C.W. DN. TO H.B. APPROX. 30" ABOVE FIN. FLOOR

F.D. 3

2" V. BEL. FLOOR

130

1 1/2" V.T.R.

FOR CONT. SEE SHEET P-1

FLOOR PLAN AREA 'B'

SCALE ~ 1/4" = 1'-0"

N.

A B

KEY PLAN

REVISION	DATE	DESCRIPTION	DFTMN

DANIEL, MANN, JOHNSON & MENDENHALL

3325 WILSHIRE BOULEVARD • LOS ANGELES 5, CALIFORNIA • DUNKIRK 1-3663

PLANNING · ARCHITECTURE · ENGINEERING

PREPARED FOR

AIR PRODUCTS & CHEMICALS, INC.
ALLENTOWN, PENNA.

SHEET TITLE: OFFICE & MAINTENANCE BUILDING PLUMBING FLOOR PLAN AREA "B"

JOB TITLE: HYDROGEN FACILITY, 23320 SOUTH ALAMEDA STREET COUNTY OF LOS ANGELES, CALIF.

DRAWN BY	JOB NO.
M. HEINZELMANN	156-1-1
CHECKED BY: W.M. JOHNCOX	SHEET NO. P-4
APPROVED BY: R WESTERFELD	DATE 3/9/62

APR 2 1962

PROVISIONAL PERMIT APPLICATION SUPPLEMENT
HAZARDOUS MATERIALS UNDERGROUND STORAGE
COUNTY OF LOS ANGELES, DEPARTMENT OF PUBLIC WORKS
ENGINEERING SERVICES DIVISION
2250 ALCAZAR STREET LOS ANGELES, CA 90033

RECEIVED
MAY 5 1986
DEPARTMENT OF PUBLIC WORKS
ENGINEERING SERVICES DIVISION

DUE DATE MAY 02 1986

FILE NO 5385
PERMIT NO 3293
R/C CODE 92
SIC CODE
STATE ID# 3098
TGP TGC

THIS FORM MUST ACCOMPANY ALL HMUSP APPLICATIONS
*****See instructions on back of this form*****

IF NO UNDERGROUND TANKS AT THIS FACILITY, GO TO PARTS F & G

03098

(A) AIR PRODUCTS AND CHEMICALS
23320 SOUTH ALAMEDA STREET
LONG BEACH CA 90810

RE: 23320 SOUTH ALAMEDA STREET
LONG BEACH 5385-22

(B) APPLICATION FOR (CHECK ONE ONLY):

EXISTING TANKS	[X]
NEW CONSTRUCTION	[ ]
REPAIR*[ ] MODIFICATION*	[ ]
ADDITIONAL INSTALLATION*	[ ]
CHANGE OF MATERIAL STORED*	[ ]

*ADDITIONAL APPROVAL

(C) ASSESSOR PARCEL IDENTIFICATION (OBTAIN FROM PROPERTY TAX BILL):

MAP BOOK NUMBER_____ PAGE NUMBER_____ PARCEL NUMBER_____

(D) THIS SUPPLEMENT MUST BE ACCOMPANIED BY:

EXISTING TANK APPLICATIONS

* STATE PERMIT APPLICATION FORM(S) FOR EACH CONTAINER, OR	[X]
COPIES OF H.S.S.S. AS FILED WITH STATE (FOR EACH CONTAINER)	[ ]
* A STATEMENT VERIFYING SAFE STORAGE FOR EACH CONTAINER	[ ]
* HMUSP APPLICATION FEE (COMPLETE PART E)	[X]

NEW CONSTRUCTION APPLICATIONS

* STATE PERMIT APPLICATION FORM(S) FOR EACH CONTAINER	[ ]
* FOUR (4) SETS OF CONSTRUCTION PLANS AND SPECIFICATIONS	[ ]
* HMUSP APPLICATION FEE (COMPLETE PART E)	[ ]

(E) HAZARDOUS MATERIALS UNDERGROUND STORAGE PERMIT (HMUSP) FEE SCHEDULE

NUMBER OF TANKS AT FACILITY: 5

NUMBER OF TANKS:	HMUSP APPLICATION FEE	+	STATE SURCHARGE	=	TOTAL FEES DUE
1 - 5	$76	+	$56 PER TANK	=	356.00
6 - 20	$152	+	$56 PER TANK	=	
21 OR MORE	$228	+	$56 PER TANK	=	
ADDITIONAL APPROVALS	$38 EACH TANK		NONE	=	

EXAMPLE: 6 TANKS = $152 + 6($56) = $488 = TOTAL FEES DUE
MAKE CHECKS PAYABLE TO "L. A. COUNTY DEPARTMENT OF PUBLIC WORKS"

(F) TO BE FILLED OUT BY PERSONS CLAIMING AN EXEMPTION TO REGULATION

[ ] THERE ARE NO UNDERGROUND STORAGE TANKS WITHIN THIS FACILITY.
[ ] FINAL INTERCEPTOR(S) REGULATED UNDER INDUSTRIAL WASTE PERMIT #_____.
[ ] UNDERGROUND STORAGE TANK WITHIN THIS FACILITY IS USED ONLY FOR THE EMERGENCY SPILL CONTAINMENT FOR ABOVE GROUND STORAGE TANKS.
[ ] OTHER (ATTACH A WRITTEN STATEMENT)

(G) ALL PERSONS FILING THIS FORM MUST COMPLETE THIS SECTION:

SIGNATURE L. E. Whited TITLE Production Manager

PRINTED NAME L. E. Whited DATE 4/28/86

INSTRUCTIONS

HAZARDOUS MATERIALS UNDERGROUND STORAGE PERMIT (HMUSP)
PERMIT APPLICATION SUPPLEMENT

DO NOT USE THIS FORM FOR CLOSURE, TRANSFER OR RENEWAL OF AN EXISTING HMUSP

(A) Facility name, mailing address and facility address on new permit applications must correspond with information on Part II of the State Permit Application (SPA) form. Please correct mailing label information if affixed for an existing facility.

(B) Use a separate application supplement for each permit activity. Check the new construction box only if there are no existing tanks and no previous HMUSP has been issued for this facility. Additional approval applications must be accompanied by a description of work and four (4) sets of plans and specifications as appropriate. Additional approval requests that change data previously supplied on Parts IV through VIII of the Hazardous Substance Storage Statement (HSSS) as filed with the California Water Resources Control Board or the SPA as filed with a County of Los Angeles HMUSP application shall include an updated SPA. The container number on the updated SPA must correspond with the previous number submitted.

(C) Assessor parcel identification is required for new permit applications at existing facilities and new construction (no existing HMUSP) applications only.

(D) The information required in Part D is the minimum necessary to allow issuance of a Provisional HMUSP. When a Provisional HMUSP has been issued for a facility, the owner will be required to submit for review and approval a facility plot plan, Leak Detection Program (LDP) and a Tank Monitoring Program (TMP) to be implemented in accordance with a timetable to be included within the Provisional HMUSP as conditions and limitations. New construction plans and specifications must show the location of and include details of all containers and monitoring devices proposed. A TMP must be approved and implemented prior to the issuance of a full term HMUSP.

(E) A HMUSP application fee must accompany all applications. The state surcharge is required for first time HMUSP applications (not required for additional approvals). Specify the number of tanks at the facility.

(F) Persons that have been notified to file for a HMUSP and do not store any hazardous materials underground should check the appropriate box and return this form to avoid any unnecessary follow-up mailings.

The storage of hazardous waste in an underground tank where the specific tank is named in a hazardous waste facility permit issued by the California Department of Health Services is not subject to the HMUSP requirements. Owners of such facilities must furnish the permit number for facilities where this exclusion is requested.

Final interceptors in industrial waste pretreatment systems, catch basins, refinery pipelines, lagoons, stormdrains, oil field gathering lines, well cellars, above ground storage tank spill containment, unlined pits or sumps, and piping not directly associated with a permitted facility are not subject to a HMUSP.

(G) Existing facility and new construction HMUSP application supplements and SPA's must be signed by:

1) A principal executive officer at the level of vice-president or by an authorized representitive. The representitive must be responsible for the overall operation of the facility where the tank(s) are located.
2) A general partner proprietor.
3) A principal executive officer, ranking elected official or authorized representitive of a public agency.

Additional approval application supplements may be signed by a person under contract to and authorized by the owner/operator of a facility.

STATE ID NUMBER

APPLICATION FOR PERMIT TO OPERATE UNDERGROUND STORAGE TANK

(X) 01 NEW PERMIT ( ) 05 RENEWED PERMIT ( ) 07 TANK CLOSED ( ) 09 DELETE FROM FILE (NO FEE)
( ) 02 CONDITIONAL PERMIT ( ) 06 AMENDED PERMIT ( ) 08 MINOR CHANGE (NO SURCHARGE)

I OWNER

NAME(COPPORATION,INCIVIDUAL OR PUBLIC AGENCY)		PUBLIC AGENCY ONLY ( ) 01 FED ( ) 02 STATE ( ) 03 LOCAL	
Air Products and Chemicals, Inc.			
STREET ADDRESS	CITY	STATE	ZIP
P. O. Box 538	Allentown	PA	18105

II FACILITY

FACILITY NAME		DEALER/FOREMEN/SUPERVISOR	
Air Products - Long Beach Facility		Mr. R. L. Shadman	
STREET ADDRESS		NEAREST CROSS STREET	
23320 South Alameda Street			
CITY		COUNTY	ZIP
Long Beach		Los Angeles	90810
MAILING ADDRESS	CITY	STATE	ZIP
Same	Long Beach	CA	90810
PHONE W/AREA CODE	TYPE OF BUSINESS		
- - 213-830-5231	( ) 01 GASOLINE STATION (X) 02 OTHER		

NUMBER OF CONTAINERS	RURAL AREAS ONLY :	TOWNSHIP	RANGE	SECTION
5				

III 24 HOUR EMERGENCY CONTACT PERSON

DAYS: NAME(LAST NAME FIRST) AND PHONE W/AREA CODE	NIGHTS: NAME(LAST NAME FIRST) AND PHONE W/AREA CODE
Shadman, R. L. - - 213-830-5231	Shadman, R. L. - - 805-583-2185

COMPLETE THE FOLLOWING ON A SEPARATE FORM FOR EACH CONTAINER

IV DESCRIPTION

A. (X) 01 TANK ( ) 02 OTHER:	CONTAINER NUMBER 28.91
B. MANUFACTURER (IF APPROPRIATE): Unknown YEAR MFG: Unknown	C. YEAR INSTALLED 1962 ( ) UNKNOWN
D. CONTAINER CAPACITY: 2000 GALLONS ( ) UNKNOWN	E. DOES THE CONTAINER STORE: ( ) 01 WASTE (X) 02 PRODUCT

F. DOES THE CONTAINER STORE MOTOR VEHICLE FUEL OR WASTE OIL ? (X) 01 YES ( ) 02 NO IF YES CHECK APPROPRIATE BOX(ES):
( ) 01 UNLEADED ( ) 02 REGULAR ( ) 03 PREMIUM (X) 04 DIESEL ( ) 05 WASTE OIL ( ) 06 OTHER

V CONTAINER CONSTRUCTION

A. THICKNESS OF PRIMARY CONTAINMENT: 3/16 ( ) GAUGE (X) INCHES ( ) CM ( ) UNKNOWN

B. ( ) 01 VAULTED (LOCATED IN AN UNDERGROUND VAULT) (X) 02 NON-VAULTED ( ) 03 UNKNOWN

C. ( ) 01 DOUBLE WALLED (X) 02 SINGLE WALLED ( ) 03 LINED

D. ( ) 01 CARBON STEEL ( ) 02 STAINLESS STEEL ( ) 03 FIBERGLASS ( ) 04 POLYVINYL CHLORIDE ( ) 05 CONCRETE
( ) 06 ALUMINUM ( ) 07 STEEL CLAD ( ) 08 BRONZE ( ) 09 COMPOSITE ( ) 10 NON-METALLIC
(X) 12 UNKNOWN ( ) 13 OTHER:

STATE ID NUMBER

CONTAINER CONSTRUCTION

E. ( ) 01 RUBBER LINED ( ) 02 ALKYD LINING ( ) 03 EPOXY LINING ( ) 04 PHENOLIC LINING ( ) 05 GLASS LINING
( ) 07 UNLINED (X) 08 UNKNOWN ( ) 09 OTHER:

F. ( ) 01 POLYETHLENE WRAP ( ) 02 VINYL WRAPPING ( ) 03 CATHODIC PROTECTION (X) 04 UNKNOWN ( ) 05 NONE
( ) 06 TAR OR ASPHALT ( ) 09 OTHER:

VI PIPING

A. ABOVEGROUND PIPING: ( ) 01 DOUBLE-WALLED PIPE ( ) 02 CONCRETE-LINED TRENCH ( ) 03 GRAVITY
(CHECK APPROPRIATE BOX(ES) ( ) 04 PRESSURE ( ) 05 SUCTION ( ) 06 UNKNOWN ( ) 07 NONE

B. UNDERGROUND PIPING: ( ) 01 DOUBLE-WALLED PIPE ( ) 02 CONCRETE-LINED TRENCH ( ) 03 GRAVITY
(CHECK APPROPRIATE BOX(ES) ( ) 04 PRESSURE (X) 05 SUCTION ( ) 06 UNKNOWN ( ) 07 NONE

VII LEAK DETECTION

( ) 01 VISUAL ( ) 02 STOCK INVENTORY ( ) 04 VAPOR SNIFF WELLS ( ) 05 SENSOR INSTRUMENT
( ) 06 GROUND WATER MONITORING WELLS ( ) 07 PRESSURE TEST ( ) 09 NONE (X) 10 OTHER: Level Check

VIII CHEMICAL COMPOSITION OF MATERIALS STORED IN UNDERGROUND CONTAINERS

IF YOU CHECKED YES TO IV-F YOU ARE NOT REQUIRED TO COMPLETE THIS SECTION

CURRENTLY STORED	PREVIOUSLY STORED	DELETE	CAS# (IF KNOWN)	CHEMICAL (DO NOT USE COMMERCIAL NAME)
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		

IS CONTAINER LOCATED ON AN AGRICULTURAL FARM? ( ) 01 YES (X) 02 NO

L. E. Whited
THIS FORM HAS BEEN COMPLETED UNDER THE PENALTY OF PERJURY AND, TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT.

PERSON FILING (SIGNATURE)	PHONE W/AREA CODE
RS L. E. Whited	

FOR LOCAL AGENCY USE ONLY

ADMINISTRATING AGENCY	CITY CODE	COUNTY CODE
Los Angeles County Dept of Public Works		19

CONTACT PERSON	PHONE W/AREA CODE
Carl Sjoberg	(213) 226-4000

DATE OF LAST INSPECTION	IN COMPLIANCE ( ) 01 YES ( ) 02 NO	PERMIT APPROVAL DATE	TRANSACTION DATE	LOCAL PERMIT ID #

Official Registration Form

California Water Resources Control Board

Hazardous Substance Storage Statement

Who Must File: Each person storing hazardous substances in any underground container must file this form no later than July 1, 1984 (After October 1, 1984 and no later than January 1, 1985 for tanks used on farms).

Definition of Underground Containers: The law applies to "concrete sumps, nonvaulted buried tanks or other underground containers." (Water Code section 13173) All containers, including earthen walled pits, ponds, lagoons and sumps, that are below the normal ground surface level must register. A tank sitting on the ground is not included. Containers partially beneath the surface are included. Lined or unlined pits, ponds and lagoons are covered if earth has been removed from the storage area to construct the facility. Normal grading is not considered construction below ground level.

Definition of Hazardous Substance: Any substance listed in Section 6382 of the Labor Code or in Section 25316 of the Health and Safety Code. This includes: gasoline, diesel fuel, all industrial solvents, pesticides, herbicides and fumigants. If the material must be carried by a registered hauler, disposed of at a hazardous waste site, is explosive, generates pressure due to heat or decomposition or would harm humans or wildlife you must register the tank. Wastes are included.

Fee: For each tank registered a $10 fee must be paid, except that retail gasoline stations pay $5 per tank.

Penalties: For failure to file, the penalty is $500-$5,000 per day. If you falsify information, you can be fined up to $20,000 for each day the information is incorrect and has not been corrected.

Confidentiality: If you have information protected by trade secret laws, please attach a list of the information on this form that is confidential and the justification for confidentiality, including specific citations of relevant statutory and case law.

Multiple Containers: Fill I and II on one form and leave it blank on all the remaining forms. Attach all forms together securely. If you own more than 50 tanks you can file information on computer tape. Call 916/324-1262 for information.

This is not a Permit Application. All Underground Tanks will be subject to local regulation. Some jurisdictions have already begun programs. Check with your local county government for further information.

NOTE: ALL UNDERGROUND CONTAINERS MUST REGISTER EVEN IF STATE AND/OR LOCAL PERMITS ARE IN FORCE.

I Owner

Name (Corporation, Individual or Public Agency): Air Products and Chemicals, Inc.

Street Address	City	State	ZIP
Box 538	Allentown	PA	18105

II Facility

Facility Name	Dealer, Foreman, Supervisor
Air Products and Chemicals, Inc.	Mr. Ronald L. Shadman

Street Address	Nearest Cross Street
23320 South Alameda Street	

City	County	ZIP
Long Beach	Los Angeles	90810

Mailing Address	City	State	ZIP
Same			

Phone w/ area code	Type of Business
(213) 830-5231	☐ 01 Motor Vehicle Fuel Station ☒ 02 Other: Industrial Gases

Number of Tanks at this Facility	Rural Areas Only: Township	Range	Section
5			

III 24 Hour Emergency Contact Person

Days: Name (last name first) and Phone w/ area code	Nights: Name (last name first) and Phone w/ area code
Shadman, R. L. (213) 830-5231	Shadman, R. L. (805) 583-2165

COMPLETE THE FOLLOWING ON A SEPARATE FORM FOR EACH CONTAINER

IV Description

A. ☒ 01 Tank ☐ 02 Sump ☐ 03 Lagoon, Pit or Pond ☐ 04 Other: _____ Container Number (if there is no number, assign one): 28.91

B. Manufacturer (if appropriate): unknown Year of Mfg.: unknown C. Year Installed: 1962 ☐ Unknown

D. Container Capacity: 2000 gallons ☐ Unknown E. Container Repairs: ☒ 01 None ☐ 02 Unknown ☐ 03 Yes Year: _____

F. Is Container currently used? ☐ 01 Yes ☒ 02 No If No, year of last use: 1983 ☐ 03 Unknown

G. Does the Container Store (Check One): ☐ 01 Waste ☒ 02 Product

H. Does the Container Store Motor Vehicle Fuel or Waste Oil? ☒ 01 Yes ☐ 02 No If Yes, Check appropriate box(es):

☐ 01 Unleaded ☐ 02 Regular ☐ 03 Premium ☒ 04 Diesel ☐ 05 Waste Oil ☐ 06 Other (List): _____

V Container Construction

A. Thickness of Primary Containment: 3/16 ☐ Gauge ☒ Inches ☐ cm ☐ Unknown

B. ☐ 01 Vaulted (Located in an underground Vault.) ☒ 02 Non-vaulted ☐ 03 Unknown

C. ☐ 01 Double Walled ☒ 02 Single Walled ☐ 03 Lined ☐ 04 Wrapped ☐ 05 Unknown ☐ 06 None

D. ☐ 01 Carbon Steel ☐ 02 Stainless Steel ☐ 03 Fiberglass ☐ 04 Polyvinyl Chloride ☐ 05 Concrete ☐ 06 Aluminum

☐ 07 Steel Clad ☐ 08 Bronze ☐ 09 Composite ☐ 10 Non-metallic ☐ 11 Earthen Walls

☒ 12 Unknown ☐ 13 Other: _____

E. ☐ 01 Rubber Lined ☐ 02 Alkyd Lining ☐ 03 Epoxy Lining ☐ 04 Phenolic Lining ☐ 05 Glass Lining ☐ 06 Clay Lining

☐ 07 Unlined ☒ 08 Unknown ☐ 09 Other: _____

F ☐ 01 Polyethlene Wrap ☐ 02 Vinyl Wrapping ☐ 03 Cathodic Protection ☒ 04 Unknown ☐ 05 None ☐ 06 Other: _____

VI Piping

A. Associated Piping:	☐ 01 Above Ground	☒ 02 Underground	☐ 03 Vaulted	
B. Underground Piping:	☐ 01 Gravity	☐ 02 Pressure	☒ 03 Suction	☐ 04 Unknown
C. Piping Repairs:	☒ 01 None	☐ 02 Unknown	☐ 03 Yes, Year of most recent repair: _____	

VII Leak Detection

☐ 01 Visual ☐ 02 Stock Inventory ☐ 03 Tile Drain ☐ 04 Vapor Sniff Wells ☐ 05 Sensor Instrument

☐ 06 Ground Water Monitoring Wells ☐ 07 Pressure Test ☐ 08 Internal Inspection ☐ 09 None

☒ 10 Other: Level Check

VIII Chemical Composition of Materials *Currently* or *Previously* Stored in Underground Containers

If you checked yes to IV-H you are not required to complete this section.

currently stored	previously stored	CAS # (if known)	Chemical Do Not Use Commercial Name (Use additional paper for more room
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		

Is Container located on an Agricultural Farm? ☐ 01 Yes ☐ 02 No

IX IMPORTANT! Read instructions before signing:

Signature: The form must be signed by 1) a principal executive officer at the level of vice-president or by an authorized representative. The representative must be responsible for the overall operation of the facility where the tank(s) are located 2) a general partner proprietor, or 3) a principal executive officer, ranking elected official or authorized representative of a public agency.

This form has been completed under the penalty of perjury and, to the best of my knowledge, is true and correct.

Signature		Date
William J Scharle		6/27/89
Printed Name	**Title**	**Phone Number**
William J. Scharle	PSG Vice President	215-481-7151

Send check to: Hazardous Substance Storage Statement, State Water Resources Control Board, P.O. Box 100, Sacramento, CA 95801-0100

Person Filing Statement	Phone Number
George M. Beris	(215) 481-1186

For additional forms or more information call 916/324-1262

FOR STATE USE ONLY

Date Received			

STATE ID NUMBER

APPLICATION FOR PERMIT TO OPERATE UNDERGROUND STORAGE TANK

( ) 01 NEW PERMIT ( ) 05 RENEWED PERMIT ( ) 07 TANK CLOSED ( ) 09 DELETE FROM FILE (NO FEE)
( ) 02 CONDITIONAL PERMIT ( ) 06 AMENDED PERMIT ( ) 08 MINOR CHANGE (NO SURCHARGE)

I OWNER

NAME(CORPORATION,INDIVIDUAL OR PUBLIC AGENCY)			PUBLIC AGENCY ONLY ( ) 01 FED ( ) 02 STATE ( ) 03 LOCAL
STREET ADDRESS	CITY	STATE	ZIP

II FACILITY

FACILITY NAME		DEALER/FOREMEN/SUPERVISOR	
STREET ADDRESS		NEAREST CROSS STREET	
CITY		COUNTY	ZIP
MAILING ADDRESS	CITY	STATE	ZIP
PHONE W/AREA CODE - -	TYPE OF BUSINESS ( ) 01 GASOLINE STATION ( ) 02 OTHER		
NUMBER OF CONTAINERS	RURAL AREAS ONLY : TOWNSHIP	RANGE	SECTION

III 24 HOUR EMERGENCY CONTACT PERSON

DAYS: NAME(LAST NAME FIRST) AND PHONE W/AREA CODE - -	NIGHTS: NAME(LAST NAME FIRST) AND PHONE W/AREA CODE - -

COMPLETE THE FOLLOWING ON A SEPARATE FORM FOR EACH CONTAINER

IV DESCRIPTION

A. (X) 01 TANK ( ) 02 OTHER:	CONTAINER NUMBER 28.7
B. MANUFACTURER (IF APPROPRIATE): Unknown YEAR MFG: Unknown	C. YEAR INSTALLED 1962 ( ) UNKNOWN
D. CONTAINER CAPACITY: 6000 GALLONS ( ) UNKNOWN	E. DOES THE CONTAINER STORE: (X) 01 WASTE ( ) 02 PRODUCT
F. DOES THE CONTAINER STORE MOTOR VEHICLE FUEL OR WASTE OIL ? ( ) 01 YES (X) 02 NO IF YES CHECK APPROPRIATE BOX(ES): ( ) 01 UNLEADED ( ) 02 REGULAR ( ) 03 PREMIUM ( ) 04 DIESEL ( ) 05 WASTE OIL ( ) 06 OTHER	

V CONTAINER CONSTRUCTION

A. THICKNESS OF PRIMARY CONTAINMENT: 5/16 ( ) GAUGE (X) INCHES ( ) CM ( ) UNKNOWN

B. ( ) 01 VAULTED (LOCATED IN AN UNDERGROUND VAULT) (X) 02 NON-VAULTED ( ) 03 UNKNOWN

C. ( ) 01 DOUBLE WALLED (X) 02 SINGLE WALLED ( ) 03 LINED

D. ( ) 01 CARBON STEEL ( ) 02 STAINLESS STEEL ( ) 03 FIBERGLASS ( ) 04 POLYVINYL CHLORIDE ( ) 05 CONCRETE
( ) 06 ALUMINUM ( ) 07 STEEL CLAD ( ) 08 BRONZE ( ) 09 COMPOSITE ( ) 10 NON-METALLIC
(X) 12 UNKNOWN ( ) 13 OTHER:

STATE ID NUMBER

CONTAINER CONSTRUCTION

E. ( ) 01 RUBBER LINED ( ) 02 ALKYD LINING ( ) 03 EPOXY LINING ( ) 04 PHENOLIC LINING ( ) 05 GLASS LINING
( ) 07 UNLINED (X) 08 UNKNOWN ( ) 09 OTHER:

F. ( ) 01 POLYETHLENE WRAP ( ) 02 VINYL WRAPPING ( ) 03 CATHODIC PROTECTION (X) 04 UNKNOWN ( ) 05 NONE
( ) 06 TAR OR ASPHALT ( ) 09 OTHER:

VI PIPING

A. ABOVEGROUND PIPING: ( ) 01 DOUBLE-WALLED PIPE ( ) 02 CONCRETE-LINED TRENCH ( ) 03 GRAVITY
(CHECK APPROPRIATE BOX(ES) ( ) 04 PRESSURE ( ) 05 SUCTION ( ) 06 UNKNOWN ( ) 07 NONE

B. UNDERGROUND PIPING: ( ) 01 DOUBLE-WALLED PIPE ( ) 02 CONCRETE-LINED TRENCH (X) 03 GRAVITY
(CHECK APPROPRIATE BOX(ES) ( ) 04 PRESSURE ( ) 05 SUCTION ( ) 06 UNKNOWN ( ) 07 NONE

VII LEAK DETECTION

( ) 01 VISUAL ( ) 02 STOCK INVENTORY ( ) 04 VAPOR SNIFF WELLS ( ) 05 SENSOR INSTRUMENT
( ) 06 GROUND WATER MONITORING WELLS ( ) 07 PRESSURE TEST (X) 09 NONE ( ) 10 OTHER:

VIII CHEMICAL COMPOSITION OF MATERIALS STORED IN UNDERGROUND CONTAINERS

IF YOU CHECKED YES TO IV-F YOU ARE NOT REQUIRED TO COMPLETE THIS SECTION

CURRENTLY STORED	PREVIOUSLY STORED	DELETE	CAS# (IF KNOWN)	CHEMICAL (DO NOT USE COMMERCIAL NAME)
(XX) 01	( ) 02	( ) 03		10% Waste NAOH Solution
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		

IS CONTAINER LOCATED ON AN AGRICULTURAL FARM? ( ) 01 YES (X) 02 NO

THIS FORM HAS BEEN COMPLETED UNDER THE PENALTY OF PERJURY AND, TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT.

PERSON SIGNING (SIGNATURE)	PHONE W/AREA CODE
By D. E. Cathcart	

FOR LOCAL AGENCY USE ONLY

ADMINISTRATING AGENCY	CITY CODE	COUNTY CODE
Los Angeles County Dept of Public Works		19

CONTACT PERSON	PHONE W/AREA CODE
Carl Sjoberg	(213) 226-4000

DATE OF LAST INSPECTION	IN COMPLIANCE	PERMIT APPROVAL DATE	TRANSACTION DATE	LOCAL PERMIT ID #
	( ) 01 YES ( ) 02 NO			

Official Registration Form

California Water Resources Control Board

Hazardous Substance Storage Statement

Who Must File: Each person storing hazardous substances in any underground container must file this form no later than July 1, 1984 (After October 1, 1984 and no later than January 1, 1985 for tanks used on farms).

Definition of Underground Containers: The law applies to "concrete sumps, nonvaulted buried tanks or other underground containers." (Water Code section 13173) All containers, including earthen walled pits, ponds, lagoons and sumps, that are below the normal ground surface level must register. A tank sitting on the ground is not included. Containers partially beneath the surface are included. Lined or unlined pits, ponds and lagoons are covered if earth has been removed from the storage area to construct the facility. Normal grading is not considered construction below ground level.

Definition of Hazardous Substance: Any substance listed in Section 6382 of the Labor Code or in Section 25316 of the Health and Safety Code. This includes: gasoline, diesel fuel, all industrial solvents, pesticides, herbicides and fumigants. If the material must be carried by a registered hauler, disposed of at a hazardous waste site, is explosive, generates pressure due to heat or decomposition or would harm humans or wildlife you must register the tank. Wastes are included.

Fee: For each tank registered a $10 fee must be paid, except that retail gasoline stations pay $5 per tank.

Penalties: For failure to file, the penalty is $500-$5,000 per day. If you falsify information, you can be fined up to $20,000 for each day the information is incorrect and has not been corrected.

Confidentiality: If you have information protected by trade secret laws, please attach a list of the information on this form that is confidential and the justification for confidentiality, including specific citations of relevant statutory and case law.

Multiple Containers: Fill I and II on one form and leave it blank on all the remaining forms. Attach all forms together securely. If you own more than 50 tanks you can file information on computer tape. Call 916/324-1262 for information.

This is not a Permit Application. All Underground Tanks will be subject to local regulation. Some jurisdictions have already begun programs. Check with your local county government for further information.

NOTE: ALL UNDERGROUND CONTAINERS MUST REGISTER EVEN IF STATE AND/OR LOCAL PERMITS ARE IN FORCE.

I Owner

Name (Corporation, Individual or Public Agency)			
Air Products and Chemicals, Inc.			
Street Address	City	State	ZIP
Box 538	Allentown	PA	18105

II Facility

Facility Name	Owner/Foreman/Supervisor	
Air Products and Chemicals, Inc.	Mr. Ronald L. Shadman	
Street Address		Nearest Cross Street
23320 South Alameda Street		
City	County	ZIP
Long Beach	Los Angeles	90810
Mailing Address	City	State / ZIP
Same		
Phone w/area code	Type of Business	
(215) 830-5231	☐ 01 Motor Vehicle Fuel Station ☒ 02 Other: Industrial Gases	
Number of Tanks at this Facility	Rural Areas Only: Township	Range / Section
5		

III 24 Hour Emergency Contact Person

Days: Name (last name first) and Phone w/area code	Nights: Name (last name first) and Phone w/area code
Shadman, R. L. (213) 830-5231	Shadman, R. L. (805) 583-2165

COMPLETE THE FOLLOWING ON A SEPARATE FORM FOR EACH CONTAINER

IV Description

A. ☒ 01 Tank ☐ 02 Sump ☐ 03 Lagoon, Pit or Pond ☐ 04 Other: _____ Container Number (if there is no number assign one): 28.7

B. Manufacturer (if appropriate): unknown Year of Mfg.: unknown C. Year Installed: 1962 ☐ Unknown

D. Container Capacity: 6000 gallons ☐ Unknown E. Container Repairs: ☐ 01 None ☒ 02 Unknown ☐ 03 Yes Year: _____

F. Is Container currently used? ☒ 01 Yes ☐ 02 No If No, year of last use: _____ ☐ 03 Unknown

G. Does the Container Store (Check One): ☒ 01 Waste ☐ 02 Product

H. Does the Container Store Motor Vehicle Fuel or Waste Oil? ☐ 01 Yes ☒ 02 No If Yes, Check appropriate box(es):

☐ 01 Unleaded ☐ 02 Regular ☐ 03 Premium ☐ 04 Diesel ☐ 05 Waste Oil ☐ 06 Other (List): _____

V Container Construction

A. Thickness of Primary Containment: 5/16 ☐ Gauge ☒ Inches ☐ cm ☐ Unknown

B. ☐ 01 Vaulted (Located in an underground Vault.) ☒ 02 Non-vaulted ☐ 03 Unknown

C. ☐ 01 Double Walled ☒ 02 Single Walled ☐ 03 Lined ☐ 04 Wrapped ☐ 05 Unknown ☐ 06 None

D. ☐ 01 Carbon Steel ☐ 02 Stainless Steel ☐ 03 Fiberglass ☐ 04 Polyvinyl Chloride ☐ 05 Concrete ☐ 06 Aluminum

☐ 07 Steel Clad ☐ 08 Bronze ☐ 09 Composite ☐ 10 Non-metallic ☐ 11 Earthen Walls

☒ 12 Unknown ☐ 13 Other: _____

E. ☐ 01 Rubber Lined ☐ 02 Alkyd Lining ☐ 03 Epoxy Lining ☐ 04 Phenolic Lining ☐ 05 Glass Lining ☐ 06 Clay Lining

☐ 07 Unlined ☒ 08 Unknown ☐ 09 Other: _____

F ☐ 01 Polyethlene Wrap ☐ 02 Vinyl Wrapping ☐ 03 Cathodic Protection ☒ 04 Unknown ☐ 05 None ☐ 06 Other: _____

VI Piping

A. Associated Piping:	☐ 01 Above Ground	☐ 02 Underground	☐ 03 Vaulted	
B. Underground Piping:	☒ 01 Gravity	☐ 02 Pressure	☐ 03 Suction	☐ 04 Unknown
C. Piping Repairs:	☒ 01 None	☐ 02 Unknown	☐ 03 Yes. Year of most recent repair: _____	

VII Leak Detection

☐ 01 Visual ☐ 02 Stock Inventory ☐ 03 Tile Drain ☐ 04 Vapor Sniff Wells ☐ 05 Sensor Instrument

☐ 06 Ground Water Monitoring Wells ☐ 07 Pressure Test ☐ 08 Internal Inspection ☒ 09 None

☐ 10 Other: _____

VIII Chemical Composition of Materials *Currently* or *Previously* Stored in Underground Containers

If you checked yes to IV-H you are not required to complete this section.

currently stored	previously stored	CAS # (if known)	Chemical Do Not Use Commercial Name (Use additional paper for more room
☒ 01	☐ 02		10% Waste NaOH solution
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		

Is Container located on an Agricultural Farm? ☐ 01 Yes ☒ 02 No

IX IMPORTANT! Read instructions before signing:

Signature: The form must be signed by 1) a principal executive officer at the level of vice-president or by an authorized representative. The representative must be responsible for the overall operation of the facility where the tank(s) are located 2) a general partner proprietor, or 3) a principal executive officer, ranking elected official or authorized representative of a public agency.

This form has been completed under the penalty of perjury and, to the best of my knowledge, is true and correct.

Signature		Date
William J. Scharle		6/27/89
Printed Name	**Title**	**Phone Area Code**
William J. Scharle	PSG Vice President	215-481-7151

Send check to: Hazardous Substance Storage Statement, State Water Resources Control Board, P.O. Box 100, Sacramento CA 95801-0100

Person Filing Statement	Phone Area Code
George M. Beris	(215) 481-4486

For additional forms or more information call 916/324-1262

FOR STATE USE ONLY

Date Received			

84 31597

STATE ID NUMBER

APPLICATION FOR PERMIT TO OPERATE UNDERGROUND STORAGE TANK

( ) 01 NEW PERMIT ( ) 05 RENEWED PERMIT ( ) 07 TANK CLOSED ( ) 09 DELETE FROM FILE (NO FEE)
( ) 02 CONDITIONAL PERMIT ( ) 06 AMENDED PERMIT ( ) 08 MINOR CHANGE (NO SURCHARGE)

I OWNER

NAME(COPPORATION,INDIVIDUAL OR PUBLIC AGENCY)	PUBLIC AGENCY ONLY ( ) 01 FED ( ) 02 STATE ( ) 03 LOCAL

STREET ADDRESS	CITY	STATE	ZIP

II FACILITY

FACILITY NAME	DEALER/FOREMEN/SUPERVISOR
STREET ADDRESS	NEAREST CROSS STREET
CITY	COUNTY / ZIP

MAILING ADDRESS	CITY	STATE	ZIP

PHONE W/AREA CODE - -	TYPE OF BUSINESS ( ) 01 GASOLINE STATION ( ) 02 OTHER

NUMBER OF CONTAINERS	RURAL AREAS ONLY :	TOWNSHIP	RANGE	SECTION

III 24 HOUR EMERGENCY CONTACT PERSON

DAYS: NAME(LAST NAME FIRST) AND PHONE W/AREA CODE - -	NIGHTS: NAME(LAST NAME FIRST) AND PHONE W/AREA CODE - -

COMPLETE THE FOLLOWING ON A SEPARATE FORM FOR EACH CONTAINER

IV DESCRIPTION

A. (X) 01 TANK ( ) 02 OTHER:	CONTAINER NUMBER 28.5
B. MANUFACTURER (IF APPROPRIATE): Unknown YEAR MFG: Unknown	C. YEAR INSTALLED 1962 ( ) UNKNOWN
D. CONTAINER CAPACITY: 2000 GALLONS ( ) UNKNOWN	E. DOES THE CONTAINER STORE: (XX) 01 WASTE ( ) 02 PRODUCT

F. DOES THE CONTAINER STORE MOTOR VEHICLE FUEL OR WASTE OIL ? (X) 01 YES ( ) 02 NO IF YES CHECK APPROPRIATE BOX(ES):
( ) 01 UNLEADED ( ) 02 REGULAR ( ) 03 PREMIUM ( ) 04 DIESEL (X) 05 WASTE OIL ( ) 06 OTHER

V CONTAINER CONSTRUCTION

A. THICKNESS OF PRIMARY CONTAINMENT: 3/16 ( ) GAUGE (XX) INCHES ( ) CM ( ) UNKNOWN

B. ( ) 01 VAULTED (LOCATED IN AN UNDERGROUND VAULT) (X) 02 NON-VAULTED ( ) 03 UNKNOWN

C. ( ) 01 DOUBLE WALLED (X) 02 SINGLE WALLED ( ) 03 LINED

D. ( ) 01 CARBON STEEL ( ) 02 STAINLESS STEEL ( ) 03 FIBERGLASS ( ) 04 POLYVINYL CHLORIDE ( ) 05 CONCRETE
( ) 06 ALUMINUM ( ) 07 STEEL CLAD ( ) 08 BRONZE ( ) 09 COMPOSITE ( ) 10 NON-METALLIC
(X) 12 UNKNOWN ( ) 13 OTHER:

STATE ID NUMBER

CONTAINER CONSTRUCTION

E. ( ) 01 RUBBER LINED ( ) 02 ALKYD LINING ( ) 03 EPOXY LINING ( ) 04 PHENOLIC LINING ( ) 05 GLASS LINING
( ) 07 UNLINED (X) 08 UNKNOWN ( ) 09 OTHER:

F. ( ) 01 POLYETHLENE WRAP ( ) 02 VINYL WRAPPING ( ) 03 CATHODIC PROTECTION (X) 04 UNKNOWN ( ) 05 NONE
( ) 06 TAR OR ASPHALT ( ) 09 OTHER:

VI PIPING

A. ABOVEGROUND PIPING: ( ) 01 DOUBLE-WALLED PIPE ( ) 02 CONCRETE-LINED TRENCH ( ) 03 GRAVITY
(CHECK APPROPRIATE BOX(ES) ( ) 04 PRESSURE ( ) 05 SUCTION ( ) 06 UNKNOWN ( ) 07 NONE

B. UNDERGROUND PIPING: ( ) 01 DOUBLE-WALLED PIPE ( ) 02 CONCRETE-LINED TRENCH (X) 03 GRAVITY
(CHECK APPROPRIATE BOX(ES) ( ) 04 PRESSURE ( ) 05 SUCTION ( ) 06 UNKNOWN ( ) 07 NONE

VII LEAK DETECTION

( ) 01 VISUAL ( ) 02 STOCK INVENTORY ( ) 04 VAPOR SNIFF WELLS ( ) 05 SENSOR INSTRUMENT
( ) 06 GROUND WATER MONITORING WELLS ( ) 07 PRESSURE TEST (X) 09 NONE ( ) 10 OTHER:

VIII CHEMICAL COMPOSITION OF MATERIALS STORED IN UNDERGROUND CONTAINERS

IF YOU CHECKED YES TO IV-F YOU ARE NOT REQUIRED TO COMPLETE THIS SECTION

CURRENTLY STORED	PREVIOUSLY STORED	DELETE	CAS# (IF KNOWN)	CHEMICAL (DO NOT USE COMMERCIAL NAME)
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		

IS CONTAINER LOCATED ON AN AGRICULTURAL FARM? ( ) 01 YES (X) 02 NO

THIS FORM HAS BEEN COMPLETED UNDER THE PENALTY OF PERJURY AND, TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT.

PERSON FILING (SIGNATURE)	PHONE W/AREA CODE
R.E. White	

FOR LOCAL AGENCY USE ONLY

ADMINISTRATING AGENCY	CITY CODE	COUNTY CODE
Los Angeles County Dept of Public Works		19

CONTACT PERSON	PHONE W/AREA CODE
Carl Sjoberg	(213) 226-4000

DATE OF LAST INSPECTION	IN COMPLIANCE	PERMIT APPROVAL DATE	TRANSACTION DATE	LOCAL PERMIT ID #
	( ) 01 YES ( ) 02 NO			

Official Registration Form

California Water Resources Control Board

Hazardous Substance Storage Statement

Who Must File: Each person storing hazardous substances in any underground container must file this form no later than July 1, 1984 (After October 1, 1984 and no later than January 1, 1985 for tanks used on farms).

Definition of Underground Containers: The law applies to "concrete sumps, nonvaulted buried tanks or other underground containers." (Water Code section 13173) All containers, including earthen walled pits, ponds, lagoons and sumps, that are below the normal ground surface level must register. A tank sitting on the ground is not included. Containers partially beneath the surface are included. Lined or unlined pits, ponds and lagoons are covered if earth has been removed from the storage area to construct the facility. Normal grading is not considered construction below ground level.

Definition of Hazardous Substance: Any substance listed in Section 6382 of the Labor Code or in Section 25316 of the Health and Safety Code. This includes: gasoline, diesel fuel, all industrial solvents, pesticides, herbicides and fumigants. If the material must be carried by a registered hauler, disposed of at a hazardous waste site, is explosive, generates pressure due to heat or decomposition or would harm humans or wildlife you must register the tank. Wastes are included.

Fee: For each tank registered a $10 fee must be paid, except that retail gasoline stations pay $5 per tank.

Penalties: For failure to file, the penalty is $500-$5,000 per day. If you falsify information, you can be fined up to $20,000 for each day the information is incorrect and has not been corrected.

Confidentiality: If you have information protected by trade secret laws, please attach a list of the information on this form that is confidential and the justification for confidentiality, including specific citations of relevant statutory and case law.

Multiple Containers: Fill I and II on one form and leave it blank on all the remaining forms. Attach all forms together securely. If you own more than 50 tanks you can file information on computer tape. Call 916/324-1262 for information.

This is not a Permit Application. All Underground Tanks will be subject to local regulation. Some jurisdictions have already begun programs. Check with your local county government for further information.

NOTE: ALL UNDERGROUND CONTAINERS MUST REGISTER EVEN IF STATE AND/OR LOCAL PERMITS ARE IN FORCE.

I Owner

Name (Corporation, Individual or Public Agency): Air Products and Chemicals, Inc.

Street Address	City	State	ZIP
Box 538	Allentown	PA	18105

II Facility

Facility Name	Owner/Operation Supervisor
Air Products and Chemicals, Inc.	Mr. Ronald L. Shadman

Street Address	Nearest Cross Street
23320 South Alameda Street	

City	County	ZIP
Long Beach	Los Angeles	90810

Mailing Address	City	State	ZIP
Same			

Phone w/ area code	Type of Business
(213) 830-5231	☐ 01 Motor Vehicle Fuel Station ☒ 02 Other: Industrial Gases

Number of Tanks at this Facility	Rural Areas Only: Township	Range	Section
5			

III 24 Hour Emergency Contact Person

Days: Name (last name first) and Phone w/ area code	Nights: Name (last name first) and Phone w/ area code
Shadman, R. L. (213) 830-5231	Shadman, R. L. (805) 583-2165

COMPLETE THE FOLLOWING ON A SEPARATE FORM FOR EACH CONTAINER

IV Description

A. ☒ 01 Tank ☐ 02 Sump ☐ 03 Lagoon, Pit or Pond ☐ 04 Other: _____ Container Number (If there is no number, assign one): 28.5

B. Manufacturer (If appropriate): Unknown Year of Mfg.: Unknown C. Year Installed: 1962 ☐ Unknown

D. Container Capacity: 2000 gallons ☐ Unknown E. Container Repairs: ☒ 01 None ☐ 02 Unknown ☐ 03 Yes Year: _____

F. Is Container currently used? ☒ 01 Yes ☐ 02 No If No, year of last use: _____ ☐ 03 Unknown

G. Does the Container Store (Check One): ☒ 01 Waste ☐ 02 Product

H. Does the Container Store Motor Vehicle Fuel or Waste Oil? ☒ 01 Yes ☐ 02 No If Yes, Check appropriate box(es):

☐ 01 Unleaded ☐ 02 Regular ☐ 03 Premium ☐ 04 Diesel ☒ 05 Waste Oil ☐ 06 Other (List): _____

V Container Construction

A. Thickness of Primary Containment: 3/16 ☐ Gauge ☒ Inches ☐ cm ☐ Unknown

B. ☐ 01 Vaulted (Located in an underground Vault.) ☒ 02 Non-vaulted ☐ 03 Unknown

C. ☐ 01 Double Walled ☒ 02 Single Walled ☐ 03 Lined ☐ 04 Wrapped ☐ 07 Unknown ☐ 08 None

D. ☐ 01 Carbon Steel ☐ 02 Stainless Steel ☐ 03 Fiberglass ☐ 04 Polyvinyl Chloride ☐ 05 Concrete ☐ 06 Aluminum

☐ 07 Steel Clad ☐ 08 Bronze ☐ 09 Composite ☐ 10 Non-metallic ☐ 11 Earthen Walls

☒ 12 Unknown ☐ 13 Other: _____

E. ☐ 01 Rubber Lined ☐ 02 Alkyd Lining ☐ 03 Epoxy Lining ☐ 04 Phenolic Lining ☐ 05 Glass Lining ☐ 06 Clay Lining

☐ 07 Unlined ☒ 08 Unknown ☐ 09 Other: _____

F. ☐ 01 Polyethlene Wrap ☐ 02 Vinyl Wrapping ☐ 03 Cathodic Protection ☒ 04 Unknown ☐ 05 None ☐ 06 Other: _____

VI Piping

A. Associated Piping:	☐ 01 Above Ground	☒ 02 Underground	☐ 03 Vaulted	
B. Underground Piping:	☒ 01 Gravity	☐ 02 Pressure	☐ 03 Suction	☐ 04 Unknown
C. Piping Repairs:	☒ 01 None	☐ 02 Unknown	☐ 03 Yes. Year of most recent repair: _____	

VII Leak Detection

☐ 01 Visual ☐ 02 Stock Inventory ☐ 03 Tile Drain ☐ 04 Vapor Sniff Wells ☐ 05 Sensor Instrument

☐ 06 Ground Water Monitoring Wells ☐ 07 Pressure Test ☐ 08 Internal Inspection ☒ 09 None

☐ 10 Other: _____

VIII Chemical Composition of Materials *Currently* or *Previously* Stored in Underground Containers

If you checked yes to IV-H you are not required to complete this section.

currently stored	previously stored	CAS # (if known)	Chemical *Do Not Use Commercial Name* (Use additional paper for more room)
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		

Is Container located on an Agricultural Farm? ☐ 01 Yes ☐ 02 No

IX IMPORTANT! Read instructions before signing:

Signature: The form must be signed by 1) a principal executive officer at the level of vice-president or by an authorized representative. The representative must be responsible for the overall operation of the facility where the tank(s) are located 2) a general partner proprietor, or 3) a principal executive officer, ranking elected official or authorized representative of a public agency.

This form has been completed under the penalty of perjury and, to the best of my knowledge, is true and correct.

Signature		Date
William J Scharle		6/27/89
Printed Name: William J. Scharle	Title: PSG Vice President	Phone & Area Code: 215-481-7151

Send check to: Hazardous Substance Storage Statement, State Water Resources Control Board, P.O. Box 100, Sacramento, CA 95801-0100

Person Filing Statement	Phone & Area Code
George M. Beris	(215) 481-4486

For additional forms or more information call 916/324-1262

FOR STATE USE ONLY

84 21407

STATE ID NUMBER

APPLICATION FOR PERMIT TO OPERATE UNDERGROUND STORAGE TANK

( ) 01 NEW PERMIT ( ) 05 RENEWED PERMIT ( ) 07 TANK CLOSED ( ) 09 DELETE FROM FILE (NO FEE)
( ) 02 CONDITIONAL PERMIT ( ) 06 AMENDED PERMIT ( ) 08 MINOR CHANGE (NO SURCHARGE)

I OWNER

NAME(CORPORATION,INDIVIDUAL OR PUBLIC AGENCY)			PUBLIC AGENCY ONLY ( ) 01 FED ( ) 02 STATE ( ) 03 LOCAL
STREET ADDRESS	CITY	STATE	ZIP

II FACILITY

FACILITY NAME		DEALER/FOREMEN/SUPERVISOR	
STREET ADDRESS		NEAREST CROSS STREET	
CITY		COUNTY	ZIP
MAILING ADDRESS	CITY	STATE	ZIP
PHONE W/AREA CODE - -	TYPE OF BUSINESS ( ) 01 GASOLINE STATION (X) 02 OTHER Industrial Gas Division		
NUMBER OF CONTAINERS	RURAL AREAS ONLY :	TOWNSHIP	RANGE	SECTION

III 24 HOUR EMERGENCY CONTACT PERSON

DAYS: NAME(LAST NAME FIRST) AND PHONE W/AREA CODE	NIGHTS: NAME(LAST NAME FIRST) AND PHONE W/AREA CODE
Smith, D. L. - - 213-830-5205	Smith, D. L. - - 714-839-3027

COMPLETE THE FOLLOWING ON A SEPARATE FORM FOR EACH CONTAINER

IV DESCRIPTION

A. (X) 01 TANK ( ) 02 OTHER:	CONTAINER NUMBER LB-1GD-1
B. MANUFACTURER (IF APPROPRIATE): YEAR MFG:	C. YEAR INSTALLED 1974 ( ) UNKNOWN
D. CONTAINER CAPACITY: 3000 GALLONS ( ) UNKNOWN	E. DOES THE CONTAINER STORE: ( ) 01 WASTE (X) 02 PRODUCT
F. DOES THE CONTAINER STORE MOTOR VEHICLE FUEL OR WASTE OIL ? (X) 01 YES ( ) 02 NO IF YES CHECK APPROPRIATE BOX(ES): (X) 01 UNLEADED ( ) 02 REGULAR ( ) 03 PREMIUM ( ) 04 DIESEL ( ) 05 WASTE OIL ( ) 06 OTHER	

V CONTAINER CONSTRUCTION

A. THICKNESS OF PRIMARY CONTAINMENT: ( ) GAUGE ( ) INCHES ( ) CM (X) UNKNOWN

B. ( ) 01 VAULTED (LOCATED IN AN UNDERGROUND VAULT) (X) 02 NON-VAULTED ( ) 03 UNKNOWN

C. ( ) 01 DOUBLE WALLED ( ) 02 SINGLE WALLED ( ) 03 LINED Unknown

D. (X) 01 CARBON STEEL ( ) 02 STAINLESS STEEL ( ) 03 FIBERGLASS ( ) 04 POLYVINYL CHLORIDE ( ) 05 CONCRETE
( ) 06 ALUMINUM ( ) 07 STEEL CLAD ( ) 08 BRONZE ( ) 09 COMPOSITE ( ) 10 NON-METALLIC
( ) 12 UNKNOWN ( ) 13 OTHER:

STATE ID NUMBER

CONTAINER CONSTRUCTION

E. ( ) 01 RUBBER LINED ( ) 02 ALKYD LINING ( ) 03 EPOXY LINING ( ) 04 PHENOLIC LINING ( ) 05 GLASS LINING
( ) 07 UNLINED (X) 08 UNKNOWN ( ) 09 OTHER:

F. ( ) 01 POLYETHLENE WRAP ( ) 02 VINYL WRAPPING ( ) 03 CATHODIC PROTECTION (X) 04 UNKNOWN ( ) 05 NONE
( ) 06 TAR OR ASPHALT ( ) 09 OTHER:

VI PIPING

A. ABOVEGROUND PIPING: ( ) 01 DOUBLE-WALLED PIPE ( ) 02 CONCRETE-LINED TRENCH ( ) 03 GRAVITY
(CHECK APPROPRIATE BOX(ES) ( ) 04 PRESSURE ( ) 05 SUCTION ( ) 06 UNKNOWN ( ) 07 NONE

B. UNDERGROUND PIPING: ( ) 01 DOUBLE-WALLED PIPE ( ) 02 CONCRETE-LINED TRENCH ( ) 03 GRAVITY
(CHECK APPROPRIATE BOX(ES) ( ) 04 PRESSURE (X) 05 SUCTION ( ) 06 UNKNOWN ( ) 07 NONE

VII LEAK DETECTION

( ) 01 VISUAL (X) 02 STOCK INVENTORY ( ) 04 VAPOR SNIFF WELLS ( ) 05 SENSOR INSTRUMENT
( ) 06 GROUND WATER MONITORING WELLS ( ) 07 PRESSURE TEST ( ) 09 NONE (X) 10 OTHER: Water Test

VIII CHEMICAL COMPOSITION OF MATERIALS STORED IN UNDERGROUND CONTAINERS

IF YOU CHECKED YES TO IV-F YOU ARE NOT REQUIRED TO COMPLETE THIS SECTION

CURRENTLY STORED	PREVIOUSLY STORED	DELETE	CAS# (IF KNOWN)	CHEMICAL (DO NOT USE COMMERCIAL NAME)
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		

IS CONTAINER LOCATED ON AN AGRICULTURAL FARM? ( ) 01 YES (X) 02 NO

THIS FORM HAS BEEN COMPLETED UNDER THE PENALTY OF PERJURY AND, TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT.

PERSON FILING (SIGNATURE)	PHONE W/AREA CODE
RS T. E. Whited	

FOR LOCAL AGENCY USE ONLY

ADMINISTRATING AGENCY	CITY CODE	COUNTY CODE
Los Angeles County Dept of Public Works		19

CONTACT PERSON	PHONE W/AREA CODE
Carl Sjoberg	(213) 226-4000

DATE OF LAST INSPECTION	IN COMPLIANCE ( ) 01 YES ( ) 02 NO	PERMIT APPROVAL DATE	TRANSACTION DATE	LOCAL PERMIT ID #

Official Registration Form

California Water Resources Control Board

Hazardous Substance Storage Statement

Who Must File: Each person storing hazardous substances in any underground container must file this form no later than July 1, 1984 (After October 1, 1984 and no later than January 1, 1985 for tanks used on farms).

Definition of Underground Containers: The law applies to "concrete sumps, nonvaulted buried tanks or other underground containers." (Water Code section 13173) All containers, including earthen walled pits, ponds, lagoons and sumps, that are below the normal ground surface level must register. A tank sitting on the ground is not included. Containers partially beneath the surface are included. Lined or unlined pits, ponds and lagoons are covered if earth has been removed from the storage area to construct the facility. Normal grading is not considered construction below ground level.

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Multiple Containers: Fill **I** and **II** on one form and leave it blank on all the remaining forms. Attach all forms together securely. If you own more than 50 tanks you can file information on computer tape. Call 916/324-1262 for information.

This is not a Permit Application. All Underground Tanks will be subject to local regulation. Some jurisdictions have already begun programs. Check with your local county government for further information.

NOTE: ALL UNDERGROUND CONTAINERS MUST REGISTER EVEN IF STATE AND/OR LOCAL PERMITS ARE IN FORCE.

I Owner

Name (Corporation, Individual or Public Agency)			
Air Products and Chemicals, Inc.			
Street Address	**City**	**State**	**ZIP**
P.O. Box 538	Allentown	PA	18105

II Facility

Facility Name	Owner, Foreman, Supervisor	
Air Products and Chemicals, Inc.		
Street Address		**Nearest Cross Street**
23320 S. Alameda Street		
City	**County**	**ZIP**
Long Beach	Los Angeles	90810
Mailing Address	**City**	**State** / **ZIP**
Same		
Phone w/area code	**Type of Business**	
	☐ 01 Motor Vehicle Fuel Station ☒ 02 Other: Industrial Gas Division	
Number of Tanks at this Facility	**Rural Areas Only:** Township / Range / Section	

III 24 Hour Emergency Contact Person

Days: Name (last name first) and Phone w/area code	Nights: Name (last name first) and Phone w/area code
Smith, D. L. 213-830-5205	Smith, D. L. 714-839-3027

COMPLETE THE FOLLOWING ON A SEPARATE FORM FOR EACH CONTAINER

IV Description

A. ☒ 01 Tank ☐ 02 Sump ☐ 03 Lagoon, Pit or Pond ☐ 04 Other: _____ **Container Number** (if there is no number assign one): LB-IGD-1

B. Manufacturer (if appropriate): _____ Year of Mfg.: _____ C. Year Installed: 1974 ☐ Unknown

D. Container Capacity: 3000 gallons ☐ Unknown E. Container Repairs: ☒ 01 None ☐ 02 Unknown ☐ 03 Yes Year: _____

F. Is Container currently used? ☒ 01 Yes ☐ 02 No If No, year of last use: _____ ☐ 03 Unknown

G. Does the Container Store (Check One): ☐ 01 Waste ☒ 02 Product

H. Does the Container Store Motor Vehicle Fuel or Waste Oil? ☒ 01 Yes ☐ 02 No If Yes, Check appropriate box(es):

☒ 01 Unleaded ☐ 02 Regular ☐ 03 Premium ☐ 04 Diesel ☐ 05 Waste Oil ☐ 06 Other (List): _____

V Container Construction

A. Thickness of Primary Containment: _____ ☐ Gauge ☐ Inches ☐ cm ☒ Unknown

B. ☐ 01 Vaulted (Located in an underground Vault.) ☒ 02 Non-vaulted ☐ 03 Unknown

C. ☐ 01 Double Walled ☐ 02 Single Walled ☐ 03 Lined ☐ 04 Wrapped ☒ 05 Unknown ☐ 06 None

D. ☒ 01 Carbon Steel ☐ 02 Stainless Steel ☐ 03 Fiberglass ☐ 04 Polyvinyl Chloride ☐ 05 Concrete ☐ 06 Aluminum
☐ 07 Steel Clad ☐ 08 Bronze ☐ 09 Composite ☐ 10 Non-metallic ☐ 11 Earthen Walls
☐ 12 Unknown ☐ 13 Other: _____

E. ☐ 01 Rubber Lined ☐ 02 Alkyd Lining ☐ 03 Epoxy Lining ☐ 04 Phenolic Lining ☐ 05 Glass Lining ☐ 06 Clay Lining
☐ 07 Unlined ☒ 08 Unknown ☐ 09 Other: _____

F. ☐ 01 Polyethlene Wrap ☐ 02 Vinyl Wrapping ☐ 03 Cathodic Protection ☒ 04 Unknown ☐ 05 None ☐ 06 Other: _____

VI Piping

A. Associated Piping:	☐ 01 Above Ground	☒ 02 Underground	☐ 03 Vaulted	
B. Underground Piping:	☐ 01 Gravity	☐ 02 Pressure	☒ 03 Suction	☐ 04 Unknown
C. Piping Repairs:	☒ 01 None	☐ 02 Unknown	☐ 03 Yes. Year of most recent repair: _____	

VII Leak Detection

☐ 01 Visual ☒ 02 Stock Inventory ☐ 03 Tile Drain ☐ 04 Vapor Sniff Wells ☐ 05 Sensor Instrument

☐ 06 Ground Water Monitoring Wells ☐ 07 Pressure Test ☐ 08 Internal Inspection ☐ 09 None

☒ 10 Other: Water Test

VIII Chemical Composition of Materials *Currently* or *Previously* Stored in Underground Containers

If you checked yes to IV-H you are not required to complete this section

currently stored	previously stored	CAS # (if known)	Chemical (Do Not Use Commercial Name - Use additional paper for more room)
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		

Is Container located on an Agricultural Farm? ☐ 01 Yes ☒ 02 No

IX IMPORTANT! Read instructions before signing:

Signature: The form must be signed by 1) a principal executive officer at the level of vice-president or by an authorized representative. The representative must be responsible for the overall operation of the facility where the tank(s) are located. 2) a general partner proprietor, or 3) a principal executive officer, ranking elected official or authorized representative of a public agency.

This form has been completed under the penalty of perjury and, to the best of my knowledge, is true and correct.

Signature	Date

Printed Name	Title	Phone # area code
Stanley R. Roman	Vice President IGD Sales	215-481-8197

Send check to: Hazardous Substance Storage Statement, State Water Resources Control Board, P.O. Box 100, Sacramento, CA 95801-0100

Person Filing Statement	Phone # area code
Eugene C. Crossland	215-481-5589

For additional forms or more information call 916/324-1262

FOR STATE USE ONLY

ID Number	Accounting Number	Check Number

Date Received	☐ 01	☐ 02	☐ 03

R4 31697

STATE ID NUMBER

APPLICATION FOR PERMIT TO OPERATE UNDERGROUND STORAGE TANK

( ) 01 NEW PERMIT ( ) 05 RENEWED PERMIT ( ) 07 TANK CLOSED ( ) 09 DELETE FROM FILE (NO FEE)
( ) 02 CONDITIONAL PERMIT ( ) 06 AMENDED PERMIT ( ) 08 MINOR CHANGE (NO SURCHARGE)

I OWNER

NAME(CORPORATION,INDIVIDUAL OR PUBLIC AGENCY)			PUBLIC AGENCY ONLY ( ) 01 FED ( ) 02 STATE ( ) 03 LOCAL
STREET ADDRESS	CITY	STATE	ZIP

II FACILITY

FACILITY NAME		DEALER/FOREMEN/SUPERVISOR	
STREET ADDRESS		NEAREST CROSS STREET	
CITY		COUNTY	ZIP
MAILING ADDRESS	CITY	STATE	ZIP
PHONE W/AREA CODE - -	TYPE OF BUSINESS ( ) 01 GASOLINE STATION (X) 02 OTHER Industrial Gas Division		

NUMBER OF CONTAINERS	RURAL AREAS ONLY :	TOWNSHIP	RANGE	SECTION

III 24 HOUR EMERGENCY CONTACT PERSON

DAYS: NAME(LAST NAME FIRST) AND PHONE W/AREA CODE	NIGHTS: NAME(LAST NAME FIRST) AND PHONE W/AREA CODE
Smith, D. L. - - 213-830-5205	Smith, D. L. - - 714-839-3027

COMPLETE THE FOLLOWING ON A SEPARATE FORM FOR EACH CONTAINER

IV DESCRIPTION

A. (X) 01 TANK ( ) 02 OTHER:		CONTAINER NUMBER LB-1GD-2
B. MANUFACTURER (IF APPROPRIATE):	YEAR MFG:	C. YEAR INSTALLED 1974 ( ) UNKNOWN
D. CONTAINER CAPACITY: 10,000 GALLONS ( ) UNKNOWN	E. DOES THE CONTAINER STORE: ( ) 01 WASTE (X) 02 PRODUCT	

F. DOES THE CONTAINER STORE MOTOR VEHICLE FUEL OR WASTE OIL ? (X) 01 YES ( ) 02 NO IF YES CHECK APPROPRIATE BOX(ES):
( ) 01 UNLEADED ( ) 02 REGULAR ( ) 03 PREMIUM (X) 04 DIESEL ( ) 05 WASTE OIL ( ) 06 OTHER

V CONTAINER CONSTRUCTION

A. THICKNESS OF PRIMARY CONTAINMENT: ( ) GAUGE ( ) INCHES ( ) CM (X) UNKNOWN

B. ( ) 01 VAULTED (LOCATED IN AN UNDERGROUND VAULT) ( ) 02 NON-VAULTED (X) 03 UNKNOWN

C. ( ) 01 DOUBLE WALLED ( ) 02 SINGLE WALLED ( ) 03 LINED Unknown

D. (X) 01 CARBON STEEL ( ) 02 STAINLESS STEEL ( ) 03 FIBERGLASS ( ) 04 POLYVINYL CHLORIDE ( ) 05 CONCRETE
( ) 06 ALUMINUM ( ) 07 STEEL CLAD ( ) 08 BRONZE ( ) 09 COMPOSITE ( ) 10 NON-METALLIC
( ) 12 UNKNOWN ( ) 13 OTHER:

STATE ID NUMBER

CONTAINER CONSTRUCTION

E. ( ) 01 RUBBER LINED ( ) 02 ALKYD LINING ( ) 03 EPOXY LINING ( ) 04 PHENOLIC LINING ( ) 05 GLASS LINING
( ) 07 UNLINED (X) 08 UNKNOWN ( ) 09 OTHER:

F. ( ) 01 POLYETHLENE WRAP ( ) 02 VINYL WRAPPING ( ) 03 CATHODIC PROTECTION (X) 04 UNKNOWN ( ) 05 NONE
( ) 06 TAR OR ASPHALT ( ) 09 OTHER:

VI PIPING

A. ABOVEGROUND PIPING: ( ) 01 DOUBLE-WALLED PIPE ( ) 02 CONCRETE-LINED TRENCH ( ) 03 GRAVITY
(CHECK APPROPRIATE BOX(ES) ( ) 04 PRESSURE (X) 05 SUCTION ( ) 06 UNKNOWN ( ) 07 NONE

B. UNDERGROUND PIPING: ( ) 01 DOUBLE-WALLED PIPE ( ) 02 CONCRETE-LINED TRENCH ( ) 03 GRAVITY
(CHECK APPROPRIATE BOX(ES) ( ) 04 PRESSURE ( ) 05 SUCTION ( ) 06 UNKNOWN ( ) 07 NONE

VII LEAK DETECTION

( ) 01 VISUAL (X) 02 STOCK INVENTORY ( ) 04 VAPOR SNIFF WELLS ( ) 05 SENSOR INSTRUMENT
( ) 06 GROUND WATER MONITORING WELLS ( ) 07 PRESSURE TEST ( ) 09 NONE (X) 10 OTHER: Water Test

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IF YOU CHECKED YES TO IV-F YOU ARE NOT REQUIRED TO COMPLETE THIS SECTION

CURRENTLY STORED	PREVIOUSLY STORED	DELETE	CAS# (IF KNOWN)	CHEMICAL (DO NOT USE COMMERCIAL NAME)
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		

IS CONTAINER LOCATED ON AN AGRICULTURAL FARM? ( ) 01 YES (X) 02 NO

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PERSON FILING (SIGNATURE)	PHONE W/AREA CODE
RS L.E. Whites	

FOR LOCAL AGENCY USE ONLY

ADMINISTRATING AGENCY	CITY CODE	COUNTY CODE
Los Angeles County Dept of Public Works		19

CONTACT PERSON	PHONE W/AREA CODE
Carl Sjoberg	(213) 226-4000

DATE OF LAST INSPECTION	IN COMPLIANCE	PERMIT APPROVAL DATE	TRANSACTION DATE	LOCAL PERMIT ID #
	( ) 01 YES ( ) 02 NO			

Official Registration Form

California Water Resources Control Board

Hazardous Substance Storage Statement

Who Must File: Each person storing hazardous substances in any underground container must file this form no later than July 1, 1984 (After October 1, 1984 and no later than January 1, 1985 for tanks used on farms).

Definition of Underground Containers: The law applies to "concrete sumps, nonvaulted buried tanks or other underground containers." (Water Code section 13173) All containers, including earthen walled pits, ponds, lagoons and sumps, that are below the normal ground surface level must register. A tank sitting on the ground is not included. Containers partially beneath the surface are included. Lined or unlined pits, ponds and lagoons are covered if earth has been removed from the storage area to construct the facility. Normal grading is not considered construction below ground level.

Definition of Hazardous Substance: Any substance listed in Section 6382 of the Labor Code or in Section 25316 of the Health and Safety Code. This includes: gasoline, diesel fuel, all industrial solvents, pesticides, herbicides and fumigants. If the material must be carried by a registered hauler, disposed of at a hazardous waste site, is explosive, generates pressure due to heat or decomposition or would harm humans or wildlife you must register the tank. Wastes are included.

Fee: For each tank registered a $10 fee must be paid, except that retail gasoline stations pay $5 per tank.

Penalties: For failure to file, the penalty is $500-$5,000 per day. If you falsify information, you can be fined up to $20,000 for each day the information is incorrect and has not been corrected.

Confidentiality: If you have information protected by trade secret laws, please attach a list of the information on this form that is confidential and the justification for confidentiality, including specific citations of relevant statutory and case law.

Multiple Containers: Fill I and II on one form and leave it blank on all the remaining forms. Attach all forms together securely. If you own more than 50 tanks you can file information on computer tape. Call 916/324-1262 for information.

This is not a Permit Application. All Underground Tanks will be subject to local regulation. Some jurisdictions have already begun programs. Check with your local county government for further information.

NOTE: ALL UNDERGROUND CONTAINERS MUST REGISTER EVEN IF STATE AND/OR LOCAL PERMITS ARE IN FORCE.

I Owner

Name (Corporation, Individual or Public Agency)			
Street Address	City	State	ZIP

II Facility

Facility Name		Owner, Foreman, Supervisor	
Street Address			Nearest Cross Street
City		County	ZIP
Mailing Address	City	State	ZIP
Phone w/ area code	Type of Business: ☐ 01 Motor Vehicle Fuel Station ☐ 02 Other:		
Number of Tanks at this Facility	**Rural Areas Only:** Township	Range	Section

III 24 Hour Emergency Contact Person

Days: Name (last name first) and Phone w/ area code	Nights: Name (last name first) and Phone w/ area code
Smith, D. L. 213-830-5205	Smith, D. L. 714-839-3027

COMPLETE THE FOLLOWING ON A SEPARATE FORM FOR EACH CONTAINER

IV Description

A. ☒ 01 Tank ☐ 02 Sump ☐ 03 Lagoon, Pit or Pond ☐ 04 Other: _____ Container Number (if more than one container at location): LB-IGD-2

B. Manufacturer (if appropriate): _____ Year of Mfg.: _____ C. Year Installed: 1974 ☐ Unknown

D. Container Capacity: 10,000 gallons ☐ Unknown E. Container Repairs: ☒ 01 None ☐ 02 Unknown ☐ 03 Yes Year: _____

F. Is Container currently used? ☒ 01 Yes ☐ 02 No If No, year of last use: _____ ☐ 03 Unknown

G. Does the Container Store (Check One): ☐ 01 Waste ☒ 02 Product

H. Does the Container Store Motor Vehicle Fuel or Waste Oil? ☒ 01 Yes ☐ 02 No If Yes, Check appropriate box(es):

☐ 01 Unleaded ☐ 02 Regular ☐ 03 Premium ☒ 04 Diesel ☐ 05 Waste Oil ☐ 06 Other (List): _____

V Container Construction

A. Thickness of Primary Containment: _____ ☐ Gauge ☐ Inches ☐ cm ☒ Unknown

B. ☐ 01 Vaulted (Located in an underground Vault.) ☐ 02 Non-vaulted ☒ 03 Unknown

C. ☐ 01 Double Walled ☐ 02 Single Walled ☐ 03 Lined ☐ 04 Wrapped ☒ 05 Unknown ☐ 06 None

D. ☒ 01 Carbon Steel ☐ 02 Stainless Steel ☐ 03 Fiberglass ☐ 04 Polyvinyl Chloride ☐ 05 Concrete ☐ 06 Aluminum

☐ 07 Steel Clad ☐ 08 Bronze ☐ 09 Composite ☐ 10 Non-metallic ☐ 11 Earthen Walls

☐ 12 Unknown ☐ 13 Other: _____

E. ☐ 01 Rubber Lined ☐ 02 Alkyd Lining ☐ 03 Epoxy Lining ☐ 04 Phenolic Lining ☐ 05 Glass Lining ☐ 06 Clay Lining

☐ 07 Unlined ☒ 08 Unknown ☐ 09 Other: _____

F. ☐ 01 Polyethlene Wrap ☐ 02 Vinyl Wrapping ☐ 03 Cathodic Protection ☒ 04 Unknown ☐ 05 None ☐ 06 Other: _____

VI Piping

A. Associated Piping:	☒ 01 Above Ground	☐ 02 Underground	☐ 03 Vaulted	
B. Underground Piping:	☐ 01 Gravity	☐ 02 Pressure	☒ 03 Suction	☐ 04 Unknown
C. Piping Repairs:	☒ 01 None	☐ 02 Unknown	☐ 03 Yes. Year of most recent repair: _____	

VII Leak Detection

☐ 01 Visual ☒ 02 Stock Inventory ☐ 03 Tile Drain ☐ 04 Vapor Sniff Wells ☐ 05 Sensor Instrument

☐ 06 Ground Water Monitoring Wells ☐ 07 Pressure Test ☐ 08 Internal Inspection ☐ 09 None

☒ 10 Other: Water Test

VIII Chemical Composition of Materials *Currently* or *Previously* Stored in Underground Containers

If you checked yes to IV-H you are not required to complete this section

currently stored	previously stored	CAS # (If known)	Chemical (Do Not Use Common Name - Use additional paper for more room)
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		

Is Container located on an Agricultural Farm? ☐ 01 Yes ☒ 02 No

IX IMPORTANT! Read instructions before signing:

Signature: The form must be signed by 1) a principal executive officer at the level of vice-president or by an authorized representative. The representative must be responsible for the overall operation of the facility where the tank(s) are located, 2) a general partner proprietor, or 3) a principal executive officer, ranking elected official or authorized representative of a public agency.

This form has been completed under the penalty of perjury and, to the best of my knowledge, is true and correct.

Signature	Date
Stanley R. Roman	

Printed Name	Title	Phone w. area code
Stanley R. Roman	Vice President IGD Sales	215-481-8197

Send check to: Hazardous Substance Storage Statement, State Water Resources Control Board, P.O. Box 100, Sacramento, CA 95801-0100

Person Filing Statement	Phone w. area code
Eugene C. Crossland	215-481-5589

For additional forms or more information call 916/324-1262

FOR STATE USE ONLY

ID Number	Accounting Number	County Number

Date Received			
	☐ 01	☐ 02	☐ 03

84 37407

Air Products and Chemicals, Inc.
Box 538
Allentown, PA 18105
Telephone (215) 481-4911

RECEIVED
MAY 5 1986
DEPARTMENT OF PUBLIC WORKS
ENGINEERING SERVICES DIVISION

AIR PRODUCTS

28 April 1986

Hazardous Materials Underground
Storage
County of Los Angeles, Dept. of
Public Works
Engineering Services Division
2250 Alcazar Street
Los Angeles, CA 90033

RE: Air Products and Chemicals, Inc.
Long Beach, CA 90810

Dear Sir/Madam:

Enclosed are the registrations of underground storage tanks for the above referenced facility. We had anticipated removal of these tanks by now, since the plant operation have ceased, but tank removal has been delayed until this fall.

For this reason, we are registering these tanks for the iterim period until they are removed.

Please call Robert Swigart at (215) 481-8867 if you have any questions. Thank you for your cooperation with this matter.

Sincerely,

Air Products and Chemicals, Inc.

L. E. Whited
Production Manager

RJS

RJS/tms

Attachment

3036 B

APPLICATION FOR CLOSURE
HAZARDOUS MATERIALS UNDERGROUND STORAGE
COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
WASTE MANAGEMENT DIVISION
2250 ALCAZAR STREET
LOS ANGELES, CALIFORNIA 90033

CK # 3/06 $255.00

OWNER:
NAME AIR PRODUCTS & CHEMICALS, INC
ADDRESS BOX 538 CITY ALLENTOWN STATE PA ZIP 18105

FACILITY:
NAME AIR PRODUCTS & CHEMICALS, INC.
SITE ADDRESS 23320 S. ALAMEDA ST. CITY CARSON ZIP
MAILING ADDRESS 23320 S. ALAMEDA ST CITY CARSON STATE ZIP
CONTACT PERSON DAVE SMITH TITLE FACILITY MGMT PHONE 213-830-5205

CLOSURE REQUESTED:
☐ TEMPORARY (REFER TO CONDITIONS A AND B ON BACK OF THIS FORM)
EFFECTIVE DATE OF CLOSURE
DATE OPERATION WILL RESUME
☒ PERMANENT, TANK(S) REMOVAL DISPOSAL DESTINATION AMR, ONTERIO, CA
(REFER TO CONDITIONS A AND C ON BACK OF THIS FORM)
☐ PERMANENT, TANK(S) IN PLACE
(REFER TO CONDITIONS A AND D ON BACK OF THIS FORM)

TANK(S) DESCRIPTION: (ATTACH ADDITIONAL LIST IF NECESSARY.)

TANK NO.	MATERIAL	AGE (YEARS)	CAPACITY (GAL)	MATERIALS STORED (PAST AND PRESENT)
1	STEEL	20	10,000	DIESEL
3	STEEL	20	3,000	GASOLINE
4	STEEL	20	2,000	WASTE OIL
5	STEEL	20	500	DIESEL

	YES	NO
HAS ANY UNAUTHORIZED DISCHARGE EVER OCCURRED AT THIS SITE?	☐	☒
HAVE STRUCTURAL REPAIRS EVER BEEN MADE ON THESE TANKS?	☐	☒
WILL NEW UNDERGROUND TANKS BE INSTALLED FOLLOWING CLOSURE?	☐	☒
WILL ANY WELLS, INCLUDING MONITORING WELLS, BE ABANDONED?	☐	☒

IF THE RESPONSE TO ANY OF THE ABOVE QUESTIONS IS YES, ATTACH EXPLANATION.

BY SIGNATURE BELOW THE APPLICANT CERTIFIES THAT HE/SHE HAS READ AND UNDERSTANDS THE CONDITIONS ON THE REVERSE SIDE OF THIS FORM AND THAT THE STATEMENTS AND DISCLOSURES ABOVE ARE TRUE AND CORRECT.

APPLICANT'S SIGNATURE Ronald S. Tillman DATE 7/28/87
OWNER ☐ OPERATOR ☐ CONTRACTOR INTERNATIONAL TECHNOLOGY CORPORATION
STATE LICENSE NO. 137422

TO BE COMPLETED BY THE COUNTY ENGINEER

BY SIGNATURE BELOW APPLICANT IS GRANTED APPROVAL TO PROCEED WITH THE CLOSURE.

FEE COLLECTED $ 255.00
PERMIT NO 3036 B
FILE NO 5385 R/C 22

Blair D Burgess DATE 7/29/87
TO ARRANGE FOR AN INSPECTION, TELEPHONE DON TAUMAN

LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
CLOSURE REPORT REQUIREMENTS

A closure report shall be submitted to the Los Angeles County Department of Public Works, Waste Management Division, P.O. Box 4089, Los Angeles, CA 90051 containing:

1. File number of facility and closure permit number.
2. Plot plan to scale showing locations of tanks, sampling points, buildings, adjacent streets and north arrow.
3. Description of methods for obtaining, handling and transporting samples.
4. Time and date samples were obtained.
5. If borings were established, boring logs certified by a CA Registered Geologist, CA Certified Engineering Geologist or CA Registered Civil Engineer with sufficient experience in soils.
6. Chain-of-custody documentation initiated by person obtaining sample through person at State Department of Health Services certified laboratory.
7. Disposal destination of tanks and evidence of legal disposal.
8. Analysis results by a State certified laboratory submitted on laboratory letterhead showing analysis date, methods of extraction and methods of analysis.
9. Documentation as to depth of groundwater at facility.
10. Manifests to document hazardous waste disposal of any removed soil.
11. Any observations of site contamination.
12. Remedial action plan to mitigate contamination.
13. Report to be signed by CA Registered Geologist, CA Certified Engineering Geologist or CA Registered Civil Engineer with sufficient experience in soils.

Signature Ronald S. [illegible] Date 7/28/87

CLOSURE PERMIT SUPPLEMENT
HAZARDOUS MATERIALS UNDERGROUND STORAGE
LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
WASTE MANAGEMENT DIVISION
2250 ALCAZAR STREET
LOS ANGELES, CALIFORNIA 90033

Closure Permit No. 3436 B
File No. I-5335-22

To satisfy the permanent closure requirements for underground storage tanks previously storing hazardous materials, site integrity must be demonstrated by the analysis of soil samples and, if applicable, groundwater samples as outlined below. These requirements are in addition to the conditions listed on the Application fo Closure or contained in an approved Closure Plan.

1. Samples shall be obtained at the sampling points (SP) indicated on the attached plot plan.

2. For each SP, samples shall be obtained at the following depths:

SP	Depth(s)	Compounds	Analysis Method
1,2	2' TO 4' BELOW TANK INVERT	T.P.H	EPA 8015 OR 418.1
3,4	" "	"	" "
5,6	" "	"	EPA 8015
7,8	" "	"	EPA 418.1

3. All soil samples obtained shall be undisturbed and unexposed prior to analysis. The method used to obtain the samples and the date of sampling shall be included in the final report.

4. If groundwater is encountered during sampling, a groundwater monitoring well shall be established at the most downgradient sampling point. The well shall be developed by removing a minimum of four well volumes and a groundwater sample shall be obtained and analyzed.

5. The analysis results for all soil samples shall be expressed in milligrams per kilogram (mg/kg). Analysis results for groundwater samples shall be expressed in parts per billion (ppb).

6. Analysis results shall be reported on laboratory letterhead and shall include the following information: a) The date the analysis was conducted; b) The method of extraction (if applicable); c) The method of analysis.

7. All soil/groundwater samples obtained shall be handled and transported to a laboratory in strict accordance with applicable EPA regulations utilizing chain-of-custody procedures. Chain-of-custody documentation shall be included in the final report.

8. If the soil/groundwater analysis indicates undefined contamination at the facility, additional sampling shall be required to define the vertical and lateral extent present.

9. A final report that contains all of the above required information shall be submitted to the office above within one (1) month from the sampling date or 180 days from the date of this permit, whichever earlier.

INTERNATIONAL TECHNOLOGY CORPORATION

By _____ Date _____ Subject _____ Sheet No. ____ of ____

Chkd. By ____ Date _____ Proj. No. _____

TANK REMOVAL FOR:

AIR PRODUCTS & CHEMICALS, INC.

23320 SOUTH ALAMEDA STREET

~~LONG BEACH~~ CARSON, CA

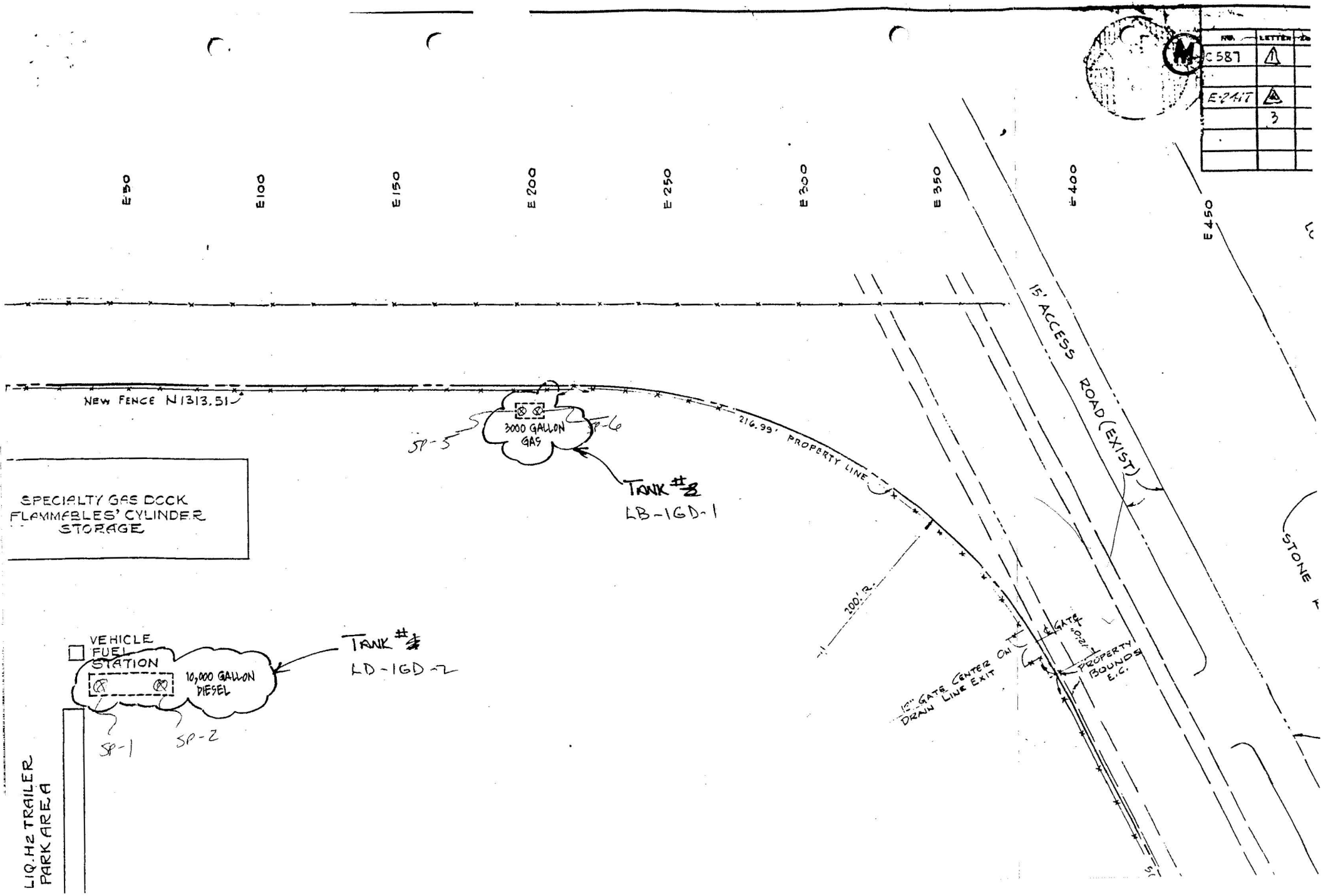
BY:

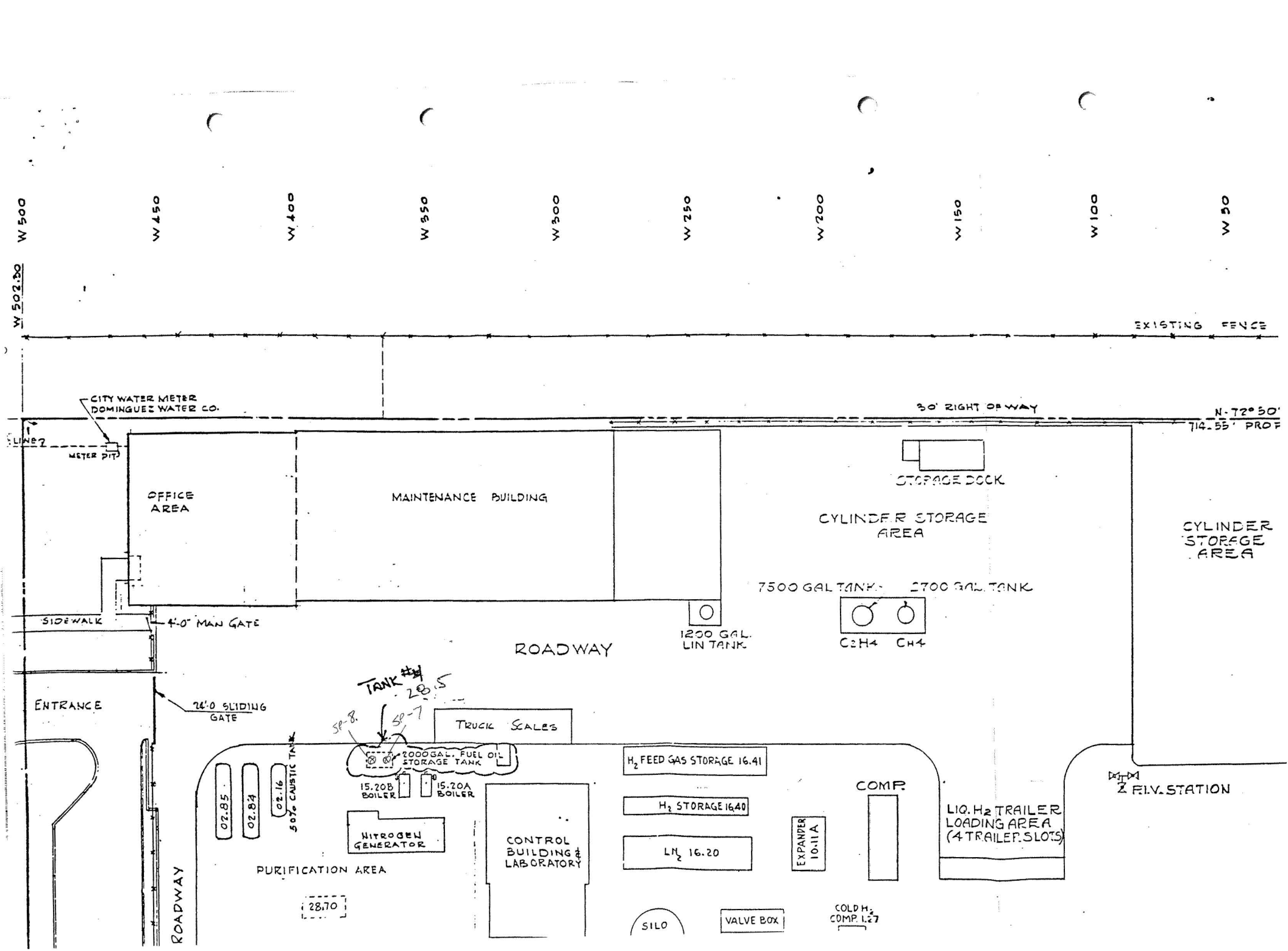
IT CORPORATION

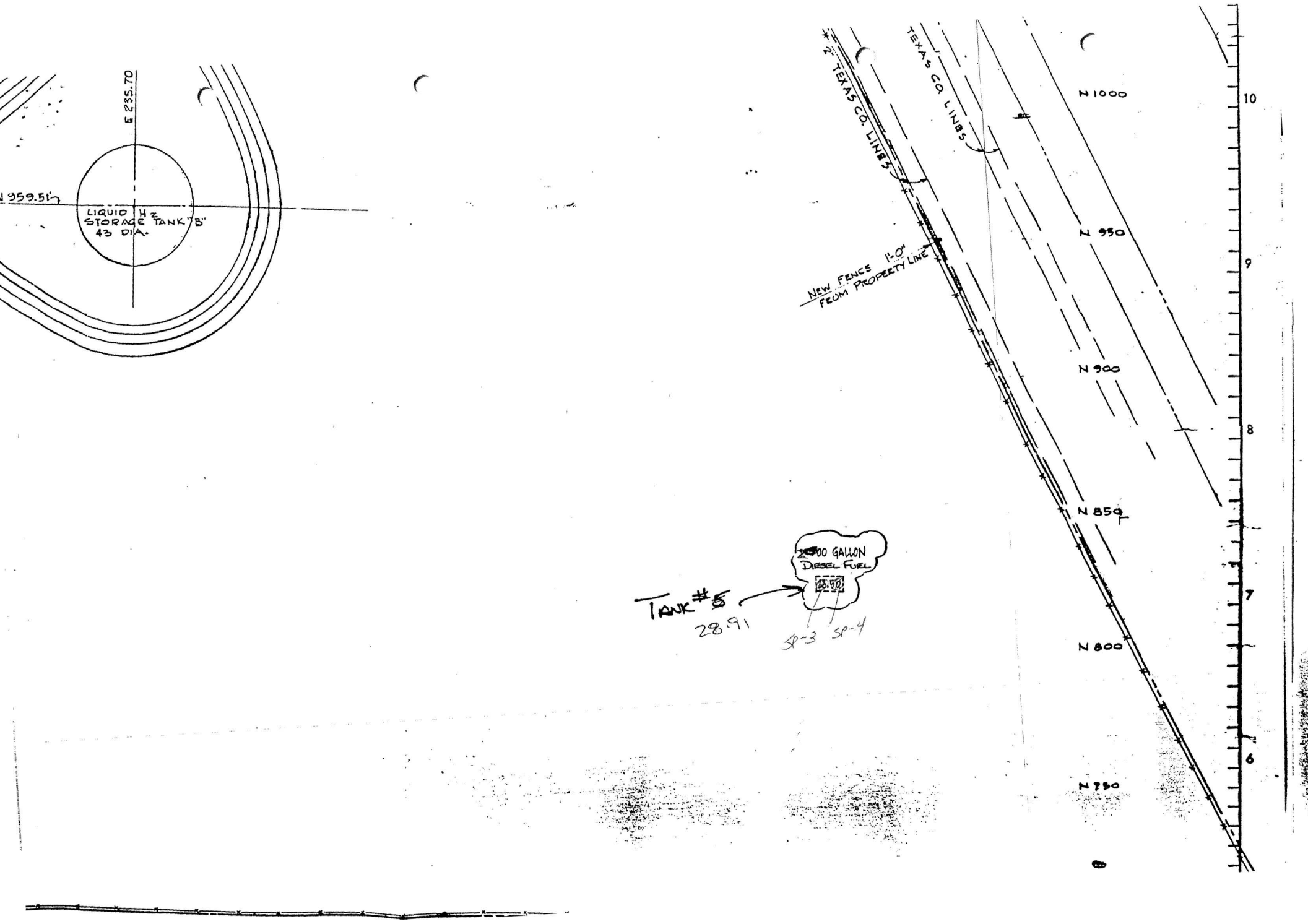
SCOPE: REMOVE:

TANK #	VOLUME	CONTENTS
~~1~~ LD-16D-2	10,000	Diesel
~~3~~ LB-16D-1	3,000	GASOLINE
~~4~~ 28.5	2,000	W/ASTE OIL
~~5~~ 28.91	~~3000~~ 2000	Diesel

— SITE PLAN ATTACHED —


E 50
E 100
E 150
E 200
E 250
E 300
E 350
E 400
E 450
NEW FENCE N1313.51
3000 GALLON GAS
SP-5
SP-6
TANK #3
LB-1GD-1
216.99' PROPERTY LINE
SPECIALTY GAS DOCK
FLAMMABLES' CYLINDER STORAGE
15' ACCESS ROAD (EXIST)
STONE
VEHICLE FUEL STATION
10,000 GALLON DIESEL
TANK #4
LD-1GD-2
SP-1
SP-2
LIQ. H2 TRAILER PARK AREA
200' R.
16' GATE
16" GATE CENTER ON DRAIN LINE EXIT
PROPERTY BOUNDS E.C.
C587
E-241
3


W 500
W 450
W 400
W 350
W 300
W 250
W 200
W 150
W 100
W 50
W 502.50
EXISTING FENCE
CITY WATER METER
DOMINGUEZ WATER CO.
METER PIT
30' RIGHT OF WAY
N-72° 30'
714.55' PROP
OFFICE AREA
MAINTENANCE BUILDING
STORAGE DOCK
CYLINDER STORAGE AREA
CYLINDER STORAGE AREA
7500 GAL TANK
2700 GAL. TANK
C2H4
CH4
SIDEWALK
4'-0" MAN GATE
ROADWAY
1200 GAL. LIN TANK
ENTRANCE
24'-0 SLIDING GATE
TANK #1
28.5
5P-8
5P-7
TRUCK SCALES
2000 GAL. FUEL OIL STORAGE TANK
15.20B BOILER
15.20A BOILER
02.85
02.84
02.16
50% CAUSTIC TANK
NITROGEN GENERATOR
PURIFICATION AREA
28.70
ROADWAY
CONTROL BUILDING & LABORATORY
H2 FEED GAS STORAGE 16.41
H2 STORAGE 16.40
LN2 16.20
EXPANDER 10-11A
COMP.
LIQ. H2 TRAILER LOADING AREA (4 TRAILER SLOTS)
F.I.V. STATION
SILO
VALVE BOX
COLD H2 COMP. L-27


E 235.70
N 959.51
LIQUID H2
STORAGE TANK "B"
43 DIA.
TEXAS CO. LINES
TEXAS CO. LINES
NEW FENCE 1'-0" FROM PROPERTY LINE
N 1000
N 950
N 900
N 850
N 800
N 750
10
9
8
7
6
GALLON
DIESEL FUEL
TANK #5
2891
SP-3
SP-4

COUNTY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

Department of Public Works
Waste Management Division
24320 S. Narbonne Avenue
Lomita, CA 90717
(213) 534-4862

THOMAS A. TIDEMANSON, Director
HIAM BARMACK, Chief Deputy Director
JAMES L. EASTON, Chief Deputy Director
WYNN L. SMITH, Chief Deputy Director

ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 2419
LOS ANGELES, CALIFORNIA 90061

IN REPLY PLEASE
REFER TO FILE
I - 5385-22
P-3036-8

Attention: Carl Sjoberg

The address below was inspected for compliance with the Los Angeles County Code, Title 11, Division 4, underground storage of hazardous materials.

_ Tank(s) installation 4 Tank(s) removal

Company Name: Air Products & Chemicals 437-0461

Address 23320 S. Alameda St. Tel: (213) 830-5205

Owner/person responsible Dave Smith

Contractor I.T. Tel (714) 261-6441

Address 17461 Derian Ave., Irvine

Tank Store Size 1-10,000 Diesel; 1-~~2~~000 diesel; 3000 gasoline, 2000 waste oil

Waste oil ✓ Gasoline ✓ Diesel 2 Chemical _ I.W. _

Other _____

single containment ✓ secondary containment __ monitoring system __

secondary piping __ other _____

Date inspected 8/4/87

Complies ✓

Not comply _____

Most western diesel tank (listed as 500 gallon, but 2000 gallon) excavation highly contaminated. Clean up may be difficult due to the tank being adjacent to permanently tacked down machinery & above ground tanks. Rumored that plant will be demolished soon. Other excavations look fairly clean. Sampling techniques good.

Inspector Bonnie Keolian

Bonnie Keolian
Industrial Waste Engineering Inspector

3036 B

APPLICATION FOR CLOSURE
HAZARDOUS MATERIALS UNDERGROUND STORAGE
COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
WASTE MANAGEMENT DIVISION
2250 ALCAZAR STREET
LOS ANGELES, CALIFORNIA 90033

OWNER:
NAME AIR PRODUCTS & CHEMICALS, INC
ADDRESS Box 538 CITY ALLENTOWN STATE PA ZIP 18105

FACILITY:
NAME AIR PRODUCTS & CHEMICALS, INC.
SITE ADDRESS 23320 S. ALAMEDA ST. CITY CARSON ZIP
MAILING ADDRESS 23320 S. ALAMEDA ST CITY CARSON STATE ZIP
CONTACT PERSON DAVE SMITH TITLE FACILITY MGMT PHONE 213-830-5205

CLOSURE REQUESTED:
☐ TEMPORARY (REFER TO CONDITIONS A AND B ON BACK OF THIS FORM)
EFFECTIVE DATE OF CLOSURE
DATE OPERATION WILL RESUME
☒ PERMANENT, TANK(S) REMOVAL DISPOSAL DESTINATION AMR ONTERIO, CA
(REFER TO CONDITIONS A AND C ON BACK OF THIS FORM)
☐ PERMANENT, TANK(S) IN PLACE
(REFER TO CONDITIONS A AND D ON BACK OF THIS FORM)

TANK(S) DESCRIPTION: (ATTACH ADDITIONAL LIST IF NECESSARY.)

TANK NO.	MATERIAL	AGE (YEARS)	CAPACITY (GAL)	MATERIALS STORED (PAST AND PRESENT)
1	STEEL	20	10,000	DIESEL
3	STEEL	20	3,000	GASOLINE
4	STEEL	20	2,000	WASTE OIL
5	STEEL	20	500	DIESEL

	YES	NO
HAS ANY UNAUTHORIZED DISCHARGE EVER OCCURRED AT THIS SITE?	☐	☒
HAVE STRUCTURAL REPAIRS EVER BEEN MADE ON THESE TANKS?	☐	☒
WILL NEW UNDERGROUND TANKS BE INSTALLED FOLLOWING CLOSURE?	☐	☒
WILL ANY WELLS, INCLUDING MONITORING WELLS, BE ABANDONED?	☐	☒

IF THE RESPONSE TO ANY OF THE ABOVE QUESTIONS IS YES, ATTACH EXPLANATION.

BY SIGNATURE BELOW THE APPLICANT CERTIFIES THAT HE/SHE HAS READ AND UNDERSTANDS THE CONDITIONS ON THE REVERSE SIDE OF THIS FORM AND THAT THE STATEMENTS AND DISCLOSURES ABOVE ARE TRUE AND CORRECT.

APPLICANT'S SIGNATURE Ronald S. Tillman DATE 7/28/87
OWNER ☐ OPERATOR ☐ CONTRACTOR INTERNATIONAL TECHNOLOGY CORPORATION
STATE LICENSE NO. 137422

TO BE COMPLETED BY THE COUNTY ENGINEER

BY SIGNATURE BELOW APPLICANT IS GRANTED APPROVAL TO PROCEED WITH THE CLOSURE.

FEE COLLECTED $ 755.00
PERMIT NO 3036 B
FILE NO 5385 R/C 22

Blair O Burgess DATE 7/29/87
TO ARRANGE FOR AN INSPECTION, TELEPHONE DON TOLLMAN

PROVISIONAL
HAZARDOUS MATERIALS UNDERGROUND STORAGE PERMIT
COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
WASTE MANAGEMENT DIVISION
2250 ALCAZAR STREET
LOS ANGELES, CALIFORNIA 90033

PERMIT NO. 3293

EXPIRATION DATE NOV 27 1987

PERMISSION IS HEREBY GRANTED UNDER LACC TITLE 11, DIVISION 4 TO:

005385-22 <<<<<<<< FILE NUMBER
<<<<<<<< PERMITTEE

AIR PRODUCTS MFG CORP
23320 S ALAMEDA ST
CARSON CA 90810

<<<<<<<< FACILITY ADDRESS

RE: 23320 S ALAMEDA ST

TO STORE HAZARDOUS MATERIALS IN UNDERGROUND TANK(S) LOCATED AT THE FACILITY ABOVE.

NUMBER OF PERMITTED TANKS: 5

THIS PROVISIONAL PERMIT IS SUBJECT TO THE FOLLOWING REQUIREMENTS:

PART A — GENERAL CONDITIONS AND LIMITATIONS (ATTACHED).

PART B — AUTHORIZED HAZARDOUS MATERIAL STORAGE TANKS (ATTACHED).

PART C — SPECIFIC CONDITIONS AND LIMITATIONS:

1. THE PERMITTEE SHALL SUBMIT FOR APPROVAL AND IMPLEMENT A LEAK DETECTION PROGRAM (LDP) AND A TANK MONITORING PROGRAM (TMP) PREPARED IN ACCORDANCE WITH "UNDERGROUND STORAGE OF HAZARDOUS MATERIALS - GUIDELINES FOR EXISTING FACILITIES, OCTOBER 1986."

2. THE FOLLOWING TIME SCHEDULE SHALL APPLY TO SUBMITTALS REQUIRED BY THIS PROVISIONAL PERMIT:

   a. PERMIT FEE DUE BY (SEE INVOICE) To Be Billed

   b. TANK INTEGRITY TEST RESULTS DUE BY AUG 27 1987

   c. PROPOSALS FOR LDP AND TMP DUE BY AUG 27 1987

3. PERMIT EFFECTIVE DATE 5-5-86
   NOTE: THE EFFECTIVE DATE IS DETERMINED BY ORIGINAL DATE OF PERMIT APPLICATION.

PART D — SPECIAL CONDITIONS AND LIMITATIONS ATTACHED. YES [ ] NO [XX]

This Provisional Permit is valid only for the continued operation of tanks providing suitable storage and expires six (6) months from the date of issue. Permittee has until the expiration date to complete an approved LDP and to install and be in compliance with an approved TMP. Upon full compliance with the approved LDP and TMP and all other conditions and limitations, this Provisional Permit will be replaced by a full term Operational Permit for the remainder of the unexpired five (5) year term from the effective date unless otherwise noted in Part D above.

T. A. TIDEMANSON
DIRECTOR OF PUBLIC WORKS

BY _____ MAY 27 1987
WASTE MANAGEMENT DIVISION

PP801 10/86

UNAUTHORIZED DISCHARGES

20. As soon as any person in charge of a facility or responsible for emergency response for a facility has knowledge of any confirmed or unconfirmed unauthorized discharge of a hazardous material, such person shall take all necessary steps to ensure the discovery, containment, and cleanup of such discharge and shall notify the DPW of the occurrence as required.

21. Any owner or operator who has knowledge of a confirmed unauthorized discharge shall immediately notify the DPW.

22. Within the jurisdiction of the Los Angeles County Fire Department, an unauthorized discharge shall also be reported to the Los Angeles County Forester and Fire Warden, Fire Prevention and Conservation Bureau.

23. The permittee shall institute and complete all actions necessary to remedy the effects of any unauthorized discharge, whether sudden or gradual, and supply information on such actions to the DPW.

24. The continued use of, and permit approval for, existing facilities is subject to review and modification or termination by the DPW whenever there has been any unauthorized discharge. In determining whether continued underground storage in such facility is suitable, the DPW shall consider the age of the facility, the methods of containment, the methods of monitoring, the feasibility of the required retrofit, the concentration of the hazardous materials contained, the severity of potential unauthorized discharge and the suitability of other long term preventive measures.

EVALUATIONS AND INSPECTIONS

25. Whenever the approval or satisfaction of the DPW may be required for a design, monitoring, testing or other technical submittal by a permittee, the DPW may require such permittee, at the permittee's sole cost and expense, to retain a suitable qualified independent engineer, chemist or other appropriate professional consultant acceptable to the DPW, for the purpose of evaluating and rendering a professional opinion respecting the adequacy of such submittal.

26. The DPW conduct inspections for the purpose of ascertaining compliance by the permittee and effecting corrections of any conditions which would constitute any violation of any statute, code, rule or regulation affecting the underground storage of hazardous materials.

27. Whenever necessary for the purpose of investigation or enforcement, or whenever a representative of the DPW, County Health Officer, or Forester and Fire Warden has reasonable cause to believe that there exists in any structure or upon any premises any condition which constitutes a violation, said representative may enter such structure or premises at all reasonable times to inspect the same, or to perform any duty imposed by law.

28. The permittee shall conduct regular inspections of the facility to assure compliance with this permit and shall maintain logs or file reports in accordance with this permit.

29. The DPW may require the periodic employment of special inspectors to conduct an audit or assessment of permittee's facility to make a hazardous material safety evaluation and to determine compliance.

30. Permittee shall, within 30 days of said evaluation, file with the DPW a plan to implement all recommendations, or shall demonstrate to the satisfaction of the DPW why such recommendations shall not be implemented.

31. The DPW may require that any regular or special inspection by the permittee be made in the presence of a representative of the DPW. The DPW may further require advance notice of not less than 72 hours as to the availability of equipment, material and personnel required to conduct such inspections.

SUSPENSIONS AND REVOCATIONS

32. This permit is subject to suspension or revocation if conditions exist which would justify denial of a permit or if permittee fails to correct unsatisfactory conditions.

33. Failure to adhere to all applicable conditions and limitations of this permit shall constitute a willful violation of Title 11, Division 4 of the Los Angeles County Code and may result in civil or criminal penalties, revocation of this permit, or both.

PART B — TANK DATA
HAZARDOUS MATERIALS UNDERGROUND STORAGE PERMIT NO. 3293

AUTHORIZED HAZARDOUS MATERIAL STORAGE TANKS

TANK NUMBER	CAPACITY (GALLONS)	CONTENTS
28.91	2,000	Diesel
28.7	6,000	10% Waste NAOH Solution
28.5	2,000	Waste Oil
LB-1GD-1	3,000	Unleaded
LD-1GD-2	10,000	Diesel

PROVISIONAL
HAZARDOUS MATERIALS UNDERGROUND STORAGE PERMIT
COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
WASTE MANAGEMENT DIVISION
2250 ALCAZAR STREET
LOS ANGELES, CALIFORNIA 90033

PERMIT NO. 3293

EXPIRATION DATE NOV 27 1987

PERMISSION IS HEREBY GRANTED UNDER LACC TITLE 11, DIVISION 4 TO:

005385-22 <<<<<<<< FILE NUMBER
<<<<<<<< PERMITTEE

AIR PRODUCTS MFG CORP
23320 S ALAMEDA ST
CARSON CA 90810

<<<<<<<< FACILITY ADDRESS

RE: 23320 S ALAMEDA ST

TO STORE HAZARDOUS MATERIALS IN UNDERGROUND TANK(S) LOCATED AT THE FACILITY ABOVE.

NUMBER OF PERMITTED TANKS: 5

THIS PROVISIONAL PERMIT IS SUBJECT TO THE FOLLOWING REQUIREMENTS:

PART A — GENERAL CONDITIONS AND LIMITATIONS (ATTACHED).

PART B — AUTHORIZED HAZARDOUS MATERIAL STORAGE TANKS (ATTACHED).

PART C — SPECIFIC CONDITIONS AND LIMITATIONS:

1. THE PERMITTEE SHALL SUBMIT FOR APPROVAL AND IMPLEMENT A LEAK DETECTION PROGRAM (LDP) AND A TANK MONITORING PROGRAM (TMP) PREPARED IN ACCORDANCE WITH "UNDERGROUND STORAGE OF HAZARDOUS MATERIALS - GUIDELINES FOR EXISTING FACILITIES, OCTOBER 1986."

2. THE FOLLOWING TIME SCHEDULE SHALL APPLY TO SUBMITTALS REQUIRED BY THIS PROVISIONAL PERMIT:

   a. PERMIT FEE DUE BY (SEE INVOICE) To Be Billed

   b. TANK INTEGRITY TEST RESULTS DUE BY AUG 27 1987

   c. PROPOSALS FOR LDP AND TMP DUE BY AUG 27 1987

3. PERMIT EFFECTIVE DATE 5-5-86
   NOTE: THE EFFECTIVE DATE IS DETERMINED BY ORIGINAL DATE OF PERMIT APPLICATION.

PART D — SPECIAL CONDITIONS AND LIMITATIONS ATTACHED. YES [ ] NO [XX]

This Provisional Permit is valid only for the continued operation of tanks providing suitable storage and expires six (6) months from the date of issue. Permittee has until the expiration date to complete an approved LDP and to install and be in compliance with an approved TMP. Upon full compliance with the approved LDP and TMP and all other conditions and limitations, this Provisional Permit will be replaced by a full term Operational Permit for the remainder of the unexpired five (5) year term from the effective date unless otherwise noted in Part D above.

T. A. TIDEMANSON
DIRECTOR OF PUBLIC WORKS

BY _____ MAY 27 1987
WASTE MANAGEMENT DIVISION

PP801 10/86

PART B — TANK DATA
HAZARDOUS MATERIALS UNDERGROUND STORAGE PERMIT NO. 3293

AUTHORIZED HAZARDOUS MATERIAL STORAGE TANKS

TANK NUMBER	CAPACITY (GALLONS)	CONTENTS
28.91	2,000	Diesel
28.7	6,000	10% Waste NAOH Solution
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LB-1GD-1	3,000	Unleaded
LD-1GD-2	10,000	Diesel

COUNTY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

1540 ALCAZAR STREET
LOS ANGELES, CALIFORNIA 90033
Telephone: (213) 226-8111

ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 4089
LOS ANGELES, CALIFORNIA 90051

THOMAS A. TIDEMANSON, Director
WYNN SMITH, Chief Deputy Director
CECIL BUGH, Assistant Director

October 1, 1987

IN REPLY PLEASE
REFER TO FILE:
I-5385-

Mr. Ronald Shadman
Air Products Manufacturing Corporation
23320 South Alameda Street
Carson, CA 90810

Dear Mr. Shadman:

HAZARDOUS MATERIALS UNDERGROUND STORAGE
SITE INVESTIGATION PROPOSAL AND/OR REMEDIAL ACTION PLAN
FACILITY AT: 23320 South Alameda Street

The site investigation proposal and/or remedial action plan submitted on September 3, 1987 for the above facility has been reviewed by this office and found adequate. You may proceed with the plan as proposed unless otherwise indicated below.

You are cautioned that any contaminated soils or hazardous materials generated during the approved operation must be manifested and transported to a hazardous waste disposal facility as required by California Health and Safety Code, Division 20, Chapter 6.5, unless evidence is presented indicating that the material may be disposed of at a less restricted facility. Copies of all completed manifests shall be submitted to this office as part of the final report.

[ ] A Hazardous Waste Facility Permit or a Variance from permit requirements must be obtained from the State Department of Health Services and copies submitted to this office before commencing the proposed remedial action.

[X] NOTE Requirements pertaining to closure permit 3036B have been satisfied. Upon completing the site assessment and any required remedial action, the closure will be final
A written report containing the required information must be submitted to this office by November 6, 1987.

If you have any questions concerning this matter, please contact Mr. Blair Burgess at (213) 226-4437.

Very truly yours,

T. A. TIDEMANSON
Director of Public Works

By Blair O. Burgess
Waste Management Division

cc: IT Corp.

SI103 Rev. 3/87

COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
1648 ALCAZAR STREET
LOS ANGELES, CALIFORNIA 90033
Telephone: (213) 226-8111

THOMAS A. TIDEMANSON, Director
WYNN SMITH, Chief Deputy Director
CECIL BUGH, Assistant Director

ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 4089
LOS ANGELES, CALIFORNIA 90051

Long Beach - Ind Waste

October 1, 1987

IN REPLY PLEASE
REFER TO FILE:
I-5385-

Mr. Ronald Shadman
Air Products Manufacturing Corporation
23320 South Alameda Street
Carson, CA 90810

Dear Mr. Shadman:

HAZARDOUS MATERIALS UNDERGROUND STORAGE
SITE INVESTIGATION PROPOSAL AND/OR REMEDIAL ACTION PLAN
FACILITY AT: 23320 South Alameda Street

The site investigation proposal and/or remedial action plan submitted on September 3, 1987 for the above facility has been reviewed by this office and found adequate. You may proceed with the plan as proposed unless otherwise indicated below.

You are cautioned that any contaminated soils or hazardous materials generated during the approved operation must be manifested and transported to a hazardous waste disposal facility as required by California Health and Safety Code, Division 20, Chapter 6.5, unless evidence is presented indicating that the material may be disposed of at a less restricted facility. Copies of all completed manifests shall be submitted to this office as part of the final report.

[ ] A Hazardous Waste Facility Permit or a Variance from permit requirements must be obtained from the State Department of Health Services and copies submitted to this office before commencing the proposed remedial action.

[X] NOTE Requirements pertaining to closure permit 3036B have been satisfied. Upon completing the site assessment and any required remedial action, the closure will be final

A written report containing the required information must be submitted to this office by November 6, 1987.

If you have any questions concerning this matter, please contact Mr. Blair Burgess at (213) 226-4437.

Very truly yours,

T. A. TIDEMANSON
Director of Public Works

By Blair O. Burgess
Waste Management Division

cc: IT Corp.

SI103 Rev. 3/87

Waste 17

Air Products and Chemicals, Inc.
Box 538
Allentown, PA 18105
Telephone (215) 481-4911

AIR PRODUCTS

12 November 1987

701303
BDB

RECEIVED
NOV 19 1987
DEPARTMENT OF PUBLIC WORKS
ENGINEERING SERVICES DIVISION

Mr. Blair Burgess
Department of Public Works
P.O. Box 4089
Los Angeles, CA 90051

Re: I-5385
Air Products Manufacturing Corporation
Carson, California Facility

Dear Mr. Burgess:

Per our earlier telephone conversation and my subsequent conversations with Mr. Ronald Illium, of International Technologies Corporation, we request approval to temporarily postpone the investigation and remedial action planned for tank number 28.91 at our South Alameda Street facility.

The hydrogen plant served by tank 28.91 is no longer in operation. Current plans call for the dismantlement of the facility. Because the area, in which tank 28.91 was located, is overlain by process equipment and structural concrete, it would be necessary to let a separate contract for partial demolition to properly complete the action plan. In addition an inactive, and previously emptied and cleaned, tank lies to the south of 28.91. It too is overlain extensively by equipment and concrete.

It is our hope to dismantle the entire facility, thereby allowing ready access to both tank areas. In this fashion we could then remove the inactive tank and perform a complete remediation to the 28.91 tank area. Accordingly, we are proceeding with the treatment of the previously excavated soils, and request approval to delay further investigation of the 28.91 area until 1 April 1989.

If you should have any questions or require additional information please contact me at (215) 481-5154.

Sincerely,

G P Thompson

Gerard P. Thompson

GPT:js
3016K-W3

cc: Ronald Illium, Project Engineer
International Technology Corporation
17461 Derian Avenue
Suite 190
Irvine, California 92714

COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS

1540 ALCAZAR STREET
LOS ANGELES, CALIFORNIA 90033
Telephone: (213) 226-8111

THOMAS A. TIDEMANSON, Director

ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 4089
LOS ANGELES, CALIFORNIA 90051

December 14, 1987

IN REPLY PLEASE
REFER TO FILE: I-5385-22

Mr. Gerard P. Thompson
Air Products and Chemicals, Inc.
Box 538
Allentown, PA 18105

Dear Mr. Thompson:

HAZARDOUS MATERIAL UNDERGROUND STORAGE PERMIT
REQUEST FOR TIME EXTENSION
PERMIT NO. 3293
FACILITY LOCATION: 23320 South Alameda Street

Your request for time extension to complete requirements under the subject Provisional Hazardous Materials Underground Storage Permit (HMUSP) is hereby granted as follows:

[ ] Provisional HMUSP expiration date is extended to _____.

[ ] Tank integrity test results due by _____.

[ ] LDP/TMP proposals due by _____.

[X] Other: Site investigation proposal due date extended to January 15, 1988. Immediate action is required due to reported depth to groundwater.

The time extension(s) above apply only to obligations due under your Provisional HMUSP and do not extend the HMUSP effective date or full term operational permit expiration date.

If you have any questions, please contact Mr. Blair Burgess at (213) 226-4437.

T. A. Tidemanson
Director of Public Works

By Blair O. Burgess
Waste Management Division

ET101

RECEIVED
JAN 20 1988
DEPARTMENT OF PUBLIC WORKS
ENGINEERING SERVICES DIVISION

13 Waste

Air Products and Chemicals, Inc.
Box 538
Allentown, PA 18105
Telephone (215) 481-4911

AIR PRODUCTS

I-5385

19 January 1988

810.25

Mr. Blair Burgess
County of Los Angeles
Department of Public Works
1540 Alcazard Street
Los Angeles, California 90023

BQB
800442

RE: Permit No. 3293
Air Products and Chemicals, Inc.
23320 South Alameda Street

Dear Mr. Burgess:

Per your 14 December 1987 letter and our 13 January 1987 telephone conversation, we are planning a two phased approach to the delineation and remediation of the soil contaimination, identified during the 4 August 1987 removal of the 2500 gallon diesel fuel tank.

Attached please find the Scope of Work, prepared by IT Corporation, to determine the depth of the existing contamination. Once we have determined if groundwater has been affected, we will prepare a proposal for determining the lateral extent of contamination along with remediation.

We plan to complete this first phase of work during the week of February 1, 1988.

If you should have any questions or require additional information, please contact me at (215) 481-5154.

Very truly yours,

Air Products and Chemicals, Inc.

GP Thompson

Gerard P. Thompson
Manager, Operations Environmental Engineering

GPT/tms

SCOPE OF WORK

Geophysical Underground Locator

Geophysical utility locating services will be used to delineate any utility conduits, subsurface piping, or other obstructions beneath proposed drilling locations.

Backfill Tank Excavation

Stockpiled soil from the tank excavation will be used as backfill. Prior to backfilling, any standing water will be pumped from the excavation. A sheet of Visqueen® plastic will be placed at the base. The fill material will be compacted in 1 to 2 foot lifts to provide a stable drilling platform.

Standing water will be sampled and analyzed for fuel hydrocarbons to determine appropriate disposition. The water will be removed with a vacuum truck and transported to an oil recycler, if necessary.

Drilling and Sample Collection

IT proposes to drill, log, and sample one soil boring (Boring B-1) within and three more (Borings B-2, B-3, and B-4) circumscribing the backfilled tank excavation of former Tank 28.91 (Refer to Figure 2 - Proposed Soil Boring Locations). The borings will be drilled using 10-inch outside diameter (O.D.), continuous-flight, hollow-stem augers. These borings will be advanced to the base of the soil contaminant plume or to first encounter of ground water, whichever is shallower. These borings will be used to determine the lateral and vertical extent of soil contamination and the presence or absence of near-surface ground water. Soil samples will be collected at 5 foot intervals during drilling for field observation and possible laboratory analysis. Headspace monitoring of soil cuttings using an HNu-model photoionization detector will corroborate further which samples will be submitted for chemical analysis.

Soil cuttings will be drummed on-site pending receipt of analytical results to determine appropriate disposal.

Drilling Without Sample Collection

One soil boring (Boring B-5) will be drilled to ground water in an area near but outside the soil contaminant plume. This boring will be drilled without sampling to a depth of 100 feet or to first encounter of ground water, whichever is shallower.

If ground water is encountered, a sample of aquifer material will be collected for grain size analysis to facilitate proper well installation. The boring will be terminated if a competent clay layer is encountered below the water table that is more than 5 feet thick. Care will be taken to preclude cross contamination of the uppermost aquifer. A sample of aquifer material will be collected for grain size analysis to facilitate proper well installation.

Laboratory Analyses

All analyses will be conducted by IT Analytical Services laboratory (ITAS) in Cerritos, California. Soil samples will be analyzed in accordance with the following U. S. EPA or U. S. EPA modified methods:

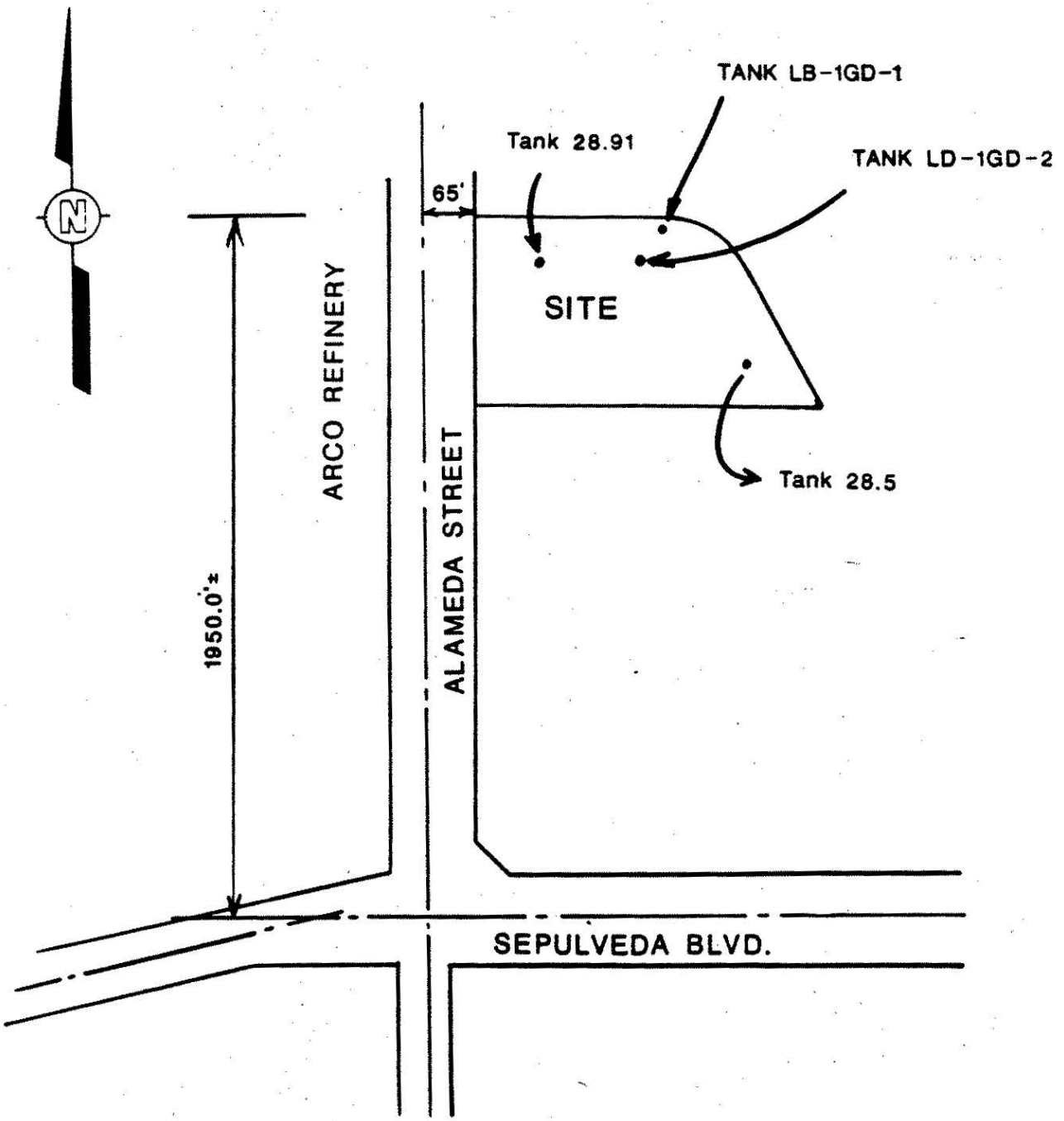
Total petroleum hydrocarbons modified (TPH) - EPA 418.1.
Flashpoint by Pensky-Martens closed cup tester - EPA 1010.
Total lead by direct aspiration, modified by California Department of Health Services (DOHS) - EPA 7420.
Benzene, toluene, xylene, and ethylbenzene (BTXE) - EPA 8020

We estimate that eight samples will be analyzed from the soil borings to determine analytically the degree of contamination and the depth at which diesel fuel contamination is no longer present. One surface water sample will be analyzed from the standing water in the tank excavation.

Report

Upon completion of the preliminary ground water site assessment and after receipt of analytical data, IT will prepare a detailed report documenting our field procedures, sample collection and preservation techniques, boring logs, analytical results, conclusions, and pertinent recommendations.

DRAWN BY	CHECKED BY	DRAWING NUMBER
[illegible] 1-11-88	APPROVED BY	B30852-A1



Not to Scale

Figure 1

Site Plan

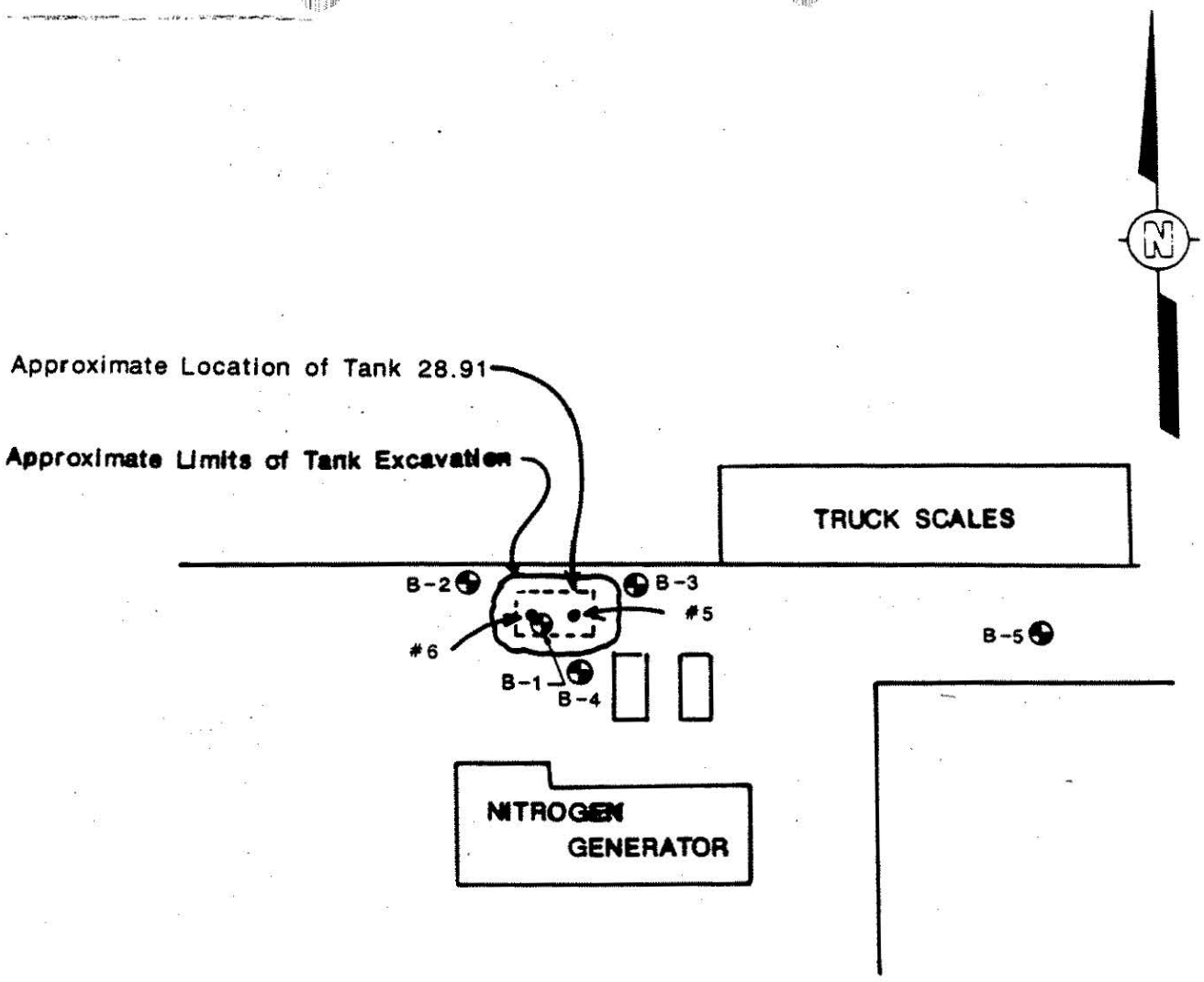
Carson Facility

PREPARED FOR

Air Products and Chemicals, Inc.
Allentown, Pennsylvania

IT ... Creating a Safer Tomorrow

DRAWN BY | CHECKED BY | APPROVED BY | DRAWING NUMBER
1-11-88 | | | B30852-A2



Not to Scale

LEGEND

#6 ● Soil Sample Location

B-1 ◔ Soil Boring Location

Figure 2

Proposed
Soil Boring Locations
Carson Facility

PREPARED FOR

Air Products and Chemicals, Inc.
Allentown, Pennsylvania

IT Creating a Safer Tomorrow

COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS

900 SOUTH FREMONT AVENUE
ALHAMBRA, CALIFORNIA 91803-1331
Telephone: (818) 458-5100

THOMAS A. TIDEMANSON, Director

ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 1460
ALHAMBRA, CALIFORNIA 91802-1460

12

March 16,1988

IN REPLY PLEASE REFER TO FILE: I-5385-22

Mr. Gerard Thompson
Air Products And Chemicals , Inc.
P.O. Box 538
Allentown , Pa 18105

Dear Mr. Thompson

HAZARDOUS MATERIALS UNDERGROUND STORAGE
SITE INVESTIGATION PROPOSAL AND/OR REMEDIAL ACTION PLAN
FACILITY AT: 23320 S. ALAMEDA ST., CARSON

The site investigation proposal and/or remedial action plan submitted on January 20, 1988 for the above facility has been reviewed by this office and found adequate. You may proceed with the plan as proposed unless otherwise indicated below.

You are cautioned that any contaminated soils or hazardous materials generated during the approved operation must be manifested and transported to a hazardous waste disposal facility as required by California Health and Safety Code, Division 20, Chapter 6.5, unless evidence is presented indicating that the material may be disposed of at a less restricted facility. Copies of all completed manifests shall be submitted to this office as part of the final report.

[ ] A Hazardous Waste Facility Permit or a Variance from permit requirements must be obtained from the State Department of Health Services and copies submitted to this office before commencing the proposed remedial action.

[x] NOTE The water well must be constructed down gradient of the former tank location. Water samples must be analyzed for T.P.H. (EPA 8015) and BTX ,(EPA 602).
A written report containing the required information must be submitted to this office by May 20, 1988 .

If you have any questions concerning this matter, please contact Mr. Blair Burgess at (818) 458-3507 .

Very truly yours,

T. A. TIDEMANSON
Director of Public Works

By _____
Waste Management Division

cc: Mr. Ronald Shadman

SI103 Rev. 3/88

COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS

900 SOUTH FREMONT AVENUE
ALHAMBRA, CALIFORNIA 91803-1331
Telephone: (818) 458-5100

THOMAS A. TIDEMANSON, Director

ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 1460
ALHAMBRA, CALIFORNIA 91802-1460

June 24, 1988

IN REPLY PLEASE
REFER TO FILE: *I-5385-22*

Mr. Robert Swigart
Air Products and Chemicals, Inc.
P.O. Box 538
Allentown, Pa 18105

Dear Mr. Swigart

HAZARDOUS MATERIALS UNDERGROUND STORAGE
SITE INVESTIGATION REPORT
FACILITY AT: *23320 S. ALAMEDA STREET, CARSON*

This office reviewed the site investigation report submitted for the above facility. The report is not approved because of the reasons checked below:

[ ] The exact extent of contamination has not been defined. _____

[X] The proposed remedial action is inadequate. *The recommendations as stated in the report from International Technology Corp. should be better adhered.*

[ ] There is significant contamination at this site. Pursuant to Section 25297(b) of the California Health and Safety Code, we are referring the matter to the State Regional Water Quality Control Board. For further information regarding the Board's requirements, please contact Mr. Joshua Workman at 107 S. Broadway, Room 4027, Los Angeles, CA 90012, (213) 620-5662. All future correspondence shall be directed to the Board with a copy sent to this office.

[X] Other *A groundwater sample must be obtained and analyzed for TPH (EPA 8015) and B.T.X.E. (EPA 602).*

Make the required corrections as indicated above and submit a revised report to this office by August 26,1988.

If you have any questions concerning this matter, please contact *Mr. Blair Burgess* at (818) 458-*3507*.

Very truly yours,

T. A. TIDEMANSON
Director of Public Works

By _____
Waste Management Division

cc: *I.T. CORP., AIR PRODUCTS MFG. CORP.*

SI102 Rev. 3/88

B/4

Air Products and Chemicals, Inc.
Box 538
Allentown, PA 18105
Telephone (215) 481-4911

AIR PRODUCTS

850.16

6 July 1988

Department of Public Works
Cashier Section - Room 212
P.O. Box 4089, Terminal Annex
Los Angeles, Ca 90051

Re: Permit #3293 HMUSP
Air Products and Chemicals, Inc.
23320 S. Alameda Street
Carson, CA 90810

Dear Sir/Madam:

Please adjust our account for the above referenced facility according to closure permit 3036B. The attached letter documents the County file regarding these tank closures.

If you have any questions please contact me at 215/481-8867.

Sincerely,

Air Products and Chemicals, Inc.

Robert Swigart

R. J. Swigart
Operations Environmental Engineering

MR R. Swigart
(215) 481-4911

RJS/sah
5759E
attach.

cc: M. J. Sauers

8/4/87

Air Products and Chemicals, Inc.
Box 538
Allentown, PA 18105
Telephone (215) 481-4911

AIR PRODUCTS

20 July 1988

810.25.1

804138

County of Los Angeles
Department of Public Works
Hazardous Materials Underground Storage
P.O. Box 1460
Alhambra, CA 91802-1460

Attention: Blair Burgess

RE: File I-5385-22
Revised Report/Remedial Action Plan
Air Products and Chemicals, Inc.
23320 S. Alameda Street
Carson, California

RECEIVED
JUL 20 1988
DEPARTMENT OF PUBLIC WORKS
WASTE MANAGEMENT DIVISION

Dear Blair:

As mentioned in my 19 April 1988 correspondence, Air Products will employ an environmental consulting firm for the diesel contaminated soil remediation at our above referenced facility. Our selection will be made from one of the three firms I mentioned in our 19 July phone conversation.

As you requested, we will excavate to the extent that Benzene levels approach zero and total petroleum hydrocarbon (TPH) levels reach 100 - 300 ppm. Direct observation through excavating and sampling will best allow us to determine the extent of the clean-up required and whether additional analyses are warranted. We will then bio-treat the contaminated soil on-site to achieve less than 100 ppm TPH. More detailed information concerning the plan for bio-treatment will be provided to you when our contractor formulates a treatment program. Prior to excavation a health and safety plan will be submitted to you for approval before work begins.

We will forward our selected contractor's remedial plan as soon as possible. We would like to begin excavating by 6 September 1988. If you have any questions, please contact me at (215) 481-8867 or Gerard P. Thompson at (215) 481-5154.

Sincerely,

Air Products and Chemicals, Inc.

Robert Swigart

Robert J. Swigart
Environmental Analyst

RJS/tms/7381K

Waste

901158

8604.3

South Coast
AIR QUALITY MANAGEMENT DISTRICT
9150 FLAIR DRIVE, EL MONTE, CA 91731 (818) 572-6200

February 24, 1989

Mr. Miguel Ortega
Ecova, Corporate Office
3820 159th Avenue NE
Redmond, WA 98052

5385

RECEIVED
MAR 08 1989
DEPARTMENT OF PUBLIC WORKS
WASTE MANAGEMENT DIVISION

Dear Mr. Ortega:

Reference is made to your letter dated February 1, 1989, and work plan regarding the applicability of District Rule 1166 to your proposed "Solid-Phase Bioremediation of Contaminated Soil" at the Air Products Chemicals site located at 233020 S. Alameda Street in Carson, California.

Based on the information provided in your letter, only diesel fuel has contaminated the soil. According to District Rule 1166 (copy attached), if the initial boiling point of the organics in the soil is greater than 302 degrees Fahrenheit and the VOC readings above the soil are expected to be below 50 ppm, then the project is exempt from the Rule requirements under section (d)(1)(B). However, if VOC readings are detected above the soil during soil handling at 50 ppm or above, you should have verification from a laboratory that the organics in the soil have a boiling point above 302 degrees Fahrenheit in order to qualify for the exemption under section (d)(1)(B).

Furthermore, for your information, a permit is required by District Rule 201 (copy attached) for treatment of soil with any type of equipment which enhances volatilization (such as a vapor extraction system) and/or emits/controls emissions. The proposed bioremediation treatment method for treatment of soil contaminated with high boiling point organics which meets the exemption described above does not require a Permit to Construct and Operate. Please be advised however, that appropriate mitigation measures should be implemented during soil handling and bioremediation to prevent violations of District Rules 402 (Nuisance) and 403 (Fugitive Dust) (copies attached).

If you have any questions, please call Mrs. Stacey Ebiner at (818) 572-6318.

Very truly yours,

William J. Dennison
Director of Engineering

Mohsen Nazemi, P.E.
Supervising A.Q. Engineer

SMKE

Attachments

cc: Mr. John Huff
County of Los Angeles
Department of Public Works
Waste Management Division
P.O. Box 1460
Alhambra, CA 91802-1460

waste

860.4.3

901291

ECOVA

RECEIVED
MAR 1 7 1989
DEPARTMENT OF PUBLIC WORKS
WASTE MANAGEMENT DIVISION

February 27, 1989

Mr. John Huff
County of Los Angeles
Department of Public Works
Waste Management Division
P.O. Box 1460
Alhambra, California 91802-1460

5385

Dear Mr. Huff:

On Friday, February 24, 1989, I received notice from Ms. Stacy Ebiner of the South Coast Air Quality Management District (SCAQMD) informing me that the soil bioremediation project we proposed to execute at the Air Products Chemicals, Inc. plant, located at 233020 South Alameda Street, Carson, California, is exempt from the provisions of the SCAQMD Rule 1166.

We will mobilize equipment on March 8, 1989 and begin excavation operations on March 9, 1989. We will send your office a copy of the Baseline and Process Monitoring Report during the latter part of June, 1989 with the Clearance Data Report (Final Report) to follow in September, 1989.

Thank you,

Miguel A. Ortega
Project Manager

cc: R.J. Swigart-APCI
E.L. Bannister-APCI

Corporate Office
3820 159th Avenue NE
Redmond, WA 98052
(206) 883-1900
(206) 867-2210 FAX

Gulf Coast Region
12790 Merit Drive #220
Lock Box 145
Dallas, TX 75251
(214) 404-7540
(214) 404-7545 FAX

Eastern Region
500 Fifth Avenue
Suite 935
New York, NY 10110
(212) 840-1042
(212) 840-1663 FAX

38-0004 DPW 8/87

LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS
WASTE MANAGEMENT DIVISION

BILLING ADJUSTMENT

FN 5385 PN 3293 DR No.

BILLING

	Increase	Batch ID No.	Decrease	Batch ID No.
CO				
SS				

	Increase	Batch ID No.	Decrease	Batch ID No.
CO	68	601		
SS				

Trust Increase Batch ID No.

Trust Decrease Batch ID No. DR No.

Comment pd., no DR# per Carl

FN PN DR No.

BILLING

	Increase	Batch ID No.	Decrease	Batch ID No.
CO				
SS				

	Increase	Batch ID No.	Decrease	Batch ID No.
CO				
SS				

Trust Increase Batch ID No.

Trust Decrease Batch ID No. DR No.

Comment

BY Judy A Burrea Date 5-12-89

waste
$10.25

Air Products and Chemicals, Inc.
7201 Hamilton Boulevard
Allentown, PA 18195-1501
Telephone (215) 481-4911
Telex: 847416
Fax: (215) 481-5900

AIR PRODUCTS

RECEIVED
DEC 01 1989
DEPARTMENT OF PUBLIC WORKS
WASTE MANAGEMENT DIVISION

20 November 1989

Department of Public Works
Waste Management Division
P.O. Box 1460
Alhambra, CA 91802-1460

Re: Underground Storage Tank Update
Permit #3293
Air Products Manufacturing Corp.
23320 S. Alameda Street
Carson, CA

Dear Sir/Madam:

Enclosed please find the completed underground storage tank (UST) update forms for our above referenced facility. This plant was shutdown in March of 1986. Tank #28.70 was emptied and washed in July-August 1986 and has not been in use since. This tank had been used to store a 10% sodium hydroxide/90% water solution.

In August 1987 four other UST's were removed at this facility. The fifth tank #28.70 could not be removed because it is covered by a concrete equipment pad in a section of the plant where there are overhead pipe rack supports. This section would have to be demolished before tank #28.70 could be removed. We, therefore, would like to complete the requirements for permanent closure of this tank in place.

During investigations related to the removal of the other UST's, we were able to cut through the concrete pad near tank #28.70 and take a soil boring. This soil boring was analyzed for pH at 5 foot intervals down to 30 feet. The pH ranged from 7.6 to 8.3 standard units and would indicate that this caustic tank (10% NaOH/90% water) had never leaked. In addition an impervious concrete pad covers the tank, and the surrounding area, thus preventing any infiltration of surface water. The depth to groundwater at this site is 65 feet.

Given the above, please verify that this tank has met the requirements of permanent closure in place, or that it must still be filled with an inert material. If you have any questions, please call me at (215) 481-8867.

Sincerely,

Air Products and Chemicals, Inc.

Robert J. Swigart
Environmental Coordinator

RJS/mmj/9467K
Enclosures 3

COUNTY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

900 SOUTH FREMONT AVENUE
ALHAMBRA, CALIFORNIA 91803-1331
Telephone: (818) 458-5100

THOMAS A. TIDEMANSON, Director

ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 1460
ALHAMBRA, CALIFORNIA 91802-1460

11/09/89

AIR PRODUCTS MFG CORP
O P .O BOX 538
ALLENTOWN PA 18105

005385 2 2

Dear Underground Tank Owner/Operator:

FACILITY LOCATION: 23320 S ALAMEDA ST
PERMIT NUMBER: 00003293 NUMBER OF TANKS: 1

The recent enactment of Federal regulations for the control and monitoring of underground storage tanks (USTs) has made it necessary for local agencies and the State Water Resources Control Board to update information on file about the USTs at your facility and the ownership of these tanks. The State has developed the enclosed Form "A" (Site) and Form "B" (Tank) to record the required information.

The enclosed forms have been preprinted with information presently on file for the subject location. Please correct any erroneous data and complete the remaining information as described on the enclosed instructions. One Form "A" is required for each location where USTs exist and one Form "B" is required for EACH TANK at that location.

The completed forms must be submitted 30 days from date of this letter to:

DEPARTMENT OF PUBLIC WORKS
WASTE MANAGEMENT DIVISION
P.O. BOX 1460
ALHAMBRA, CA 91802-1460

This submittal is mandatory to maintain your UST permit

There is no fee required for this submittal. However, if there are USTs at this location that were not previously registered, you will be liable for additional permit and State surcharge fees. If some or all of the USTs shown for this location have been closed, so indicate on Form "B" and include the Closure Permit number on your submittal. Please note that USTs permitted for closure will remain on the record until ALL required post-closure information has been submitted and approved.

Your cooperation will greatly assist State and local compliance with UST regulations. Please contact the Waste Management Division, UST Unit, at (818) 458-3517 if you have any questions or need additional forms.

Very truly yours:

T. A. TIDEMANSON
Director of Public Works

PERMIT APPLICATION SUPPLEMENT/NOTICE TO FILE
HAZARDOUS MATERIALS UNDERGROUND STORAGE PERMIT
Los Angeles County Department of Public Works
Waste Management Division
900 South Fremont Avenue
Alhambra, CA 91803-1331

DUE DATE: _____

DPW USE ONLY
FILE # 2382
PERMIT # 3293
R/C CODE 22
SIC CODE _____
STATE ID # _____
TGP _____ TGC _____

THIS FORM MUST ACCOMPANY ALL TANK PERMIT APPLICATIONS TO OPERATE UNDERGROUND STORAGE TANKS
See instructions on back of this form

IF THERE ARE NO UNDERGROUND TANKS AT THIS FACILITY, GO TO PARTS F & G.

(A)

Air Products MFG
FACILITY NAME
7201 Hamilton BLVD
MAILING ADDRESS
Allentown PA 18195-1501
CITY STATE ZIP
23320 S. Alameda St
FACILITY LOCATION

(B) APPLICATION IS HEREBY MADE FOR A HAZARDOUS MATERIAL UNDERGROUND STORAGE PERMIT (***HMUSP***) TO OPERATE AND MAINTAIN UNDERGROUND STORAGE TANKS WITHIN LOS ANGELES COUNTY JURISDICTION.
NEW PERMIT ☐ **EXISTING PERMIT RENEWAL** ☐

EXISTING PERMIT NUMBER 1
NUMBER OF TANKS AT FACILITY _____

(C) ASSESSOR PARCEL IDENTIFICATION (OBTAIN FROM PROPERTY TAX BILL):

MAP BOOK NUMBER _____ PAGE NUMBER _____ PARCEL NUMBER _____

(D) THIS SUPPLEMENT MUST BE ACCOMPANIED BY:

[1] ONE COPY OF STATE FORM **"A"**, FACILITY/SITE INFORMATION, FOR EACH SITE.
[2] ONE COPY OF STATE FORM **"B"**, TANK PERMIT APPLICATION INFORMATION, FOR EACH TANK.
[3] LEAK DETECTION PROGRAM (***LDP***) AND TANK MONITORING PROGRAM (***TMP***) PROPOSALS.
[4] HMUSP APPLICATION FEE (COMPLETE PART E)

(E) HAZARDOUS MATERIALS UNDERGROUND STORAGE PERMIT (HMUSP) FEE SCHEDULE:

THE HMUSP APPLICATION FEE SHALL BE THE FIRST ANNUAL PERMIT MAINTENANCE FEE.
CIRCLE AMOUNT REMITTED

NUMBER OF TANKS:	HMUSP (APPLICATION FEE)		ANNUAL PERMIT MAINTENANCE FEE		STATE SURCHARGE		TOTAL FEES DUE
1	$171	+	$119	+	$ 56	=	$346
2	$201	+	$139	+	$112	=	$452
3	$231	+	$159	+	$168	=	$558
4	$261	+	$179	+	$224	=	$664
5	$291	+	$199	+	$280	=	$770
6 or more tanks	$141 + $30 per tank	+	$99 + $20 per tank	+	$56 per tank	=	_____

MAKE CHECKS PAYABLE TO: ***"L. A. COUNTY DEPARTMENT OF PUBLIC WORKS"***

(F) FACILITIES CLAIMING AN EXEMPTION TO REGULATION MUST COMPLETE THIS SECTION:

☐ THERE ARE NO UNDERGROUND STORAGE TANKS WITHIN THIS FACILITY.
☐ FINAL INTERCEPTOR(S) REGULATED UNDER INDUSTRIAL WASTE PERMIT No. _____.
☐ UNDERGROUND CONTAINERS WITHIN THIS FACILITY ARE USED ONLY FOR EMERGENCY SPILL CONTAINMENT FOR ABOVE GROUND STORAGE TANKS.
☐ OTHER (ATTACH A WRITTEN STATEMENT)

(G) ALL PERSONS FILING THIS FORM MUST COMPLETE THIS SECTION:

SIGNATURE _____ TITLE _____

PRINTED NAME _____ DATE _____

INSTRUCTIONS:

HAZARDOUS MATERIALS UNDERGROUND STORAGE PERMIT (***HMUSP***)
APPLICATION SUPPLEMENT

DO NOT USE THIS FORM FOR CLOSURE OR TRANSFER OF AN EXISTING *HMUSP*, A NEW CONSTRUCTION PLAN CHECK, OR AN ADDITIONAL APPROVAL.

(A) Facility name, mailing address and facility address on new permit applications must correspond with information on Part I of the State Form **"A"**, Facility/Site Information. Please correct mailing label information if affixed.

(B) This application supplement is to be used for application to operate and maintain existing tanks located within the jurisdiction of the Department of Public Works. Facilities located within the corporate limits of the cities of Burbank, Glendale, Long Beach, Los Angeles, Pasadena, San Fernando, Santa Monica, Torrance and Vernon should contact the respective local agencies directly for permit information. Permit renewal is authorized only if no ownership change has occurred. Specify the number of tanks at the facility.

(C) Assessor parcel identification is required for new permit applications only.

(D) The applicant is responsible for completing ***all*** information requested on State Forms **"A"** and **"B"**. The Department of Public Works Underground Tank Inspector will not fill out these forms for you. This application is due by the date indicated. If you are unable to submit your ***LDP/TMP*** by the due date, a Provisional ***HMUSP*** will be issued granting up to 90 days to complete your submittal. Evidence of safe storage must be submitted with this application to qualify for a provisional ***HMUSP***.

(E) The total fees to accompany this application represent the ***HMUSP*** application fee, the first annual ***HMUSP*** maintenance fee plus the State surcharge. Future annual ***HMUSP maintenance fees*** will be payable upon billing by the Department of Public Works.

(F) Persons that have been notified to file for a ***HMUSP*** and do not store any hazardous materials underground should check the appropriate box and return this form to avoid any unnecessary follow-up mailings.

The storage of hazardous waste in an underground tank where the specific tank is named in hazardous waste facility permit issued by the California Department of Health Services is not subject to the ***HMUSP*** requirements. Owners of such facilities must furnish a copy of the State permit for facilities where this exclusion is requested.

Final interceptors in industrial waste pretreatment systems, catch basins, refinery pipelines, lagoons, storm drains, oil field gathering lines, well cellars, above ground storage tank spill containment, unlined pits or sumps, and piping not directly associated with a permitted facility are not subject to a ***HMUSP***. *Claims for exemption are subject to verification.*

(G) This ***HMUSP*** application supplement and each State **"A"** or **"B"** must be signed by:

1) A principal executive officer at the level of vice-president or by an authorized representative. The representative must be responsible for the overall operation of the facility where the tank(s) are located.
2) A general partner proprietor.
3) A principal executive officer, ranking elected official or authorized representative of a public agency.

LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS

Waste Management Division

FORM 'A':
SITE

UNDERGROUND STORAGE TANK PROGRAM

FACILITY/SITE INFORMATION

COMPLETE THIS FORM FOR EACH FACILITY/SITE

MARK ONLY ONE ITEM
☐ 1 NEW PERMIT ☐ 2 INTERIM PERMIT ☐ 3 RENEWAL PERMIT ☐ 4 AMENDED PERMIT ☒ 5 CHANGE OF INFORMATION ☐ 6 TEMPORARY SITE CLOSURE ☐ 7 PERMANENTLY CLOSED SITE

I. FACILITY/SITE INFORMATION & ADDRESS — (MUST BE COMPLETED)

FACILITY/SITE NAME: AIR PRODUCTS MFG CORP	CARE OF ADDRESS INFORMATION: APMC, 2021 E. Rosecrans Ave., El Segundo
ADDRESS: 23320 S ALAMEDA ST	NEAREST CROSS STREET: Sepulveda
	☑ Box to indicate ☒ CORPORATION ☐ INDIVIDUAL ☐ PARTNERSHIP ☐ LOCAL-AGENCY ☐ COUNTY-AGENCY ☐ STATE-AGENCY ☐ FEDERAL-AGENCY
CITY NAME: CARSON	STATE: CA; ZIP CODE: 90810; SITE PHONE #, WITH AREA CODE: 213-518-0430
TYPE OF BUSINESS: ☐ 1 GAS STATION ☐ 2 DISTRIBUTOR ☐ 3 FARM ☐ 4 PROCESSOR ☒ 5 OTHER; ☑ Box if INDIAN RESERVATION or TRUST LANDS ☐	EPA ID #: CAT080010655; # of TANK's AT THIS SITE: 1

EMERGENCY CONTACT PERSON (PRIMARY)		EMERGENCY CONTACT PERSON (SECONDARY)	
DAYS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE	DAYS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE
Mangas, John	213-643-8691	O'Connell, Dan	213-518-0430
NIGHTS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE	NIGHTS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE
Mangas, John	714-962-3655	O'Connell, Dan	714-840-8337

II. PROPERTY OWNER INFORMATION & ADDRESS — (MUST BE COMPLETED)

NAME: Air Products and Chemicals, Inc.	CARE OF ADDRESS INFORMATION:
MAILING or STREET ADDRESS: 7201 Hamilton Boulevard	☑ Box to indicate ☒ CORPORATION ☐ INDIVIDUAL ☐ PARTNERSHIP ☐ LOCAL-AGENCY ☐ COUNTY-AGENCY ☐ STATE-AGENCY ☐ FEDERAL-AGENCY
CITY NAME: Allentown, PA	STATE: PA; ZIP CODE: 18195-1501; PHONE #, WITH AREA CODE: 215-481-8867

III. TANK OWNER INFORMATION & ADDRESS — (MUST BE COMPLETED)

NAME: Air Products and Chemicals, Inc.	CARE OF ADDRESS INFORMATION:
MAILING or STREET ADDRESS: 7201 Hamilton Boulevard	☑ Box to indicate ☒ CORPORATION ☐ INDIVIDUAL ☐ PARTNERSHIP ☐ LOCAL-AGENCY ☐ COUNTY-AGENCY ☐ STATE-AGENCY ☐ FEDERAL-AGENCY
CITY NAME: ALLENTOWN	STATE: PA; ZIP CODE: 18195-1501; PHONE #, WITH AREA CODE: 215-481-8867

IV. LEGAL NOTIFICATION AND BILLING ADDRESS

CHECK ONE (1) BOX INDICATING WHICH ABOVE ADDRESS SHOULD BE USED FOR BOTH LEGAL NOTIFICATION AND BILLING: I. ☐ II. ☐ III. ☒

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT.

APPLICANT'S NAME (PRINTED & SIGNATURE)	DATE
Robert J. Swigart *Robert Swigart*	20 NOV 89

LOCAL AGENCY USE ONLY

COUNTY #	JURISDICTION #	AGENCY #	FILE #	# of TANKS at SITE
19	000	001	005385	

CURRENT LOCAL AGENCY FACILITY ID #	APPROVED BY NAME	PHONE # WITH AREA CODE
00000003098		

PERMIT NUMBER	PERMIT APPROVAL DATE	PERMIT EXPIRATION DATE
00003293	05/05/86	

LOCATION CODE	CENSUS TRACT #	SUPERVISOR-DISTRICT CODE	BUSINESS PLAN FILED	DATE FILED
22			YES ☐ NO ☐	

CHECK #	PERMIT AMOUNT	SURCHARGE AMOUNT	FEE CODE	RECEIPT #	BY:

LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS
Waste Management Division

FORM 'A':
SITE

UNDERGROUND STORAGE TANK PROGRAM
FACILITY/SITE, INFORMATION

INSTRUCTIONS FOR COMPLETING THIS FORM

GENERAL INSTRUCTIONS:

1. One FORM "A" shall be completed for all **NEW PERMITS, PERMIT CHANGES** or any **FACILITY/SITE INFORMATION CHANGES.**
2. **SUBMIT ONLY ONE (1) FORM "A"** for a Facility/Site, regardless of the number of tanks located at the site.
3. This form should be completed by either the **PERMIT APPLICANT.**
4. Please type or print clearly all requested information.
5. Use a hard point writing instrument, you are making 3 copies.

TOP OF FORM: "MARK ONLY ONE ITEM"

1. Mark an (X) in the box next to the item that best describes the reason the form is being completed.

I. FACILITY/SITE INFORMATION & ADDRESS - (MUST BE COMPLETED)

1. Record name and address (physical location) of the underground tank(s).
   NOTE: Address MUST have a valid physical location including city, state, and zip code.
   P.O. BOX NUMBERS ARE NOT ACCEPTABLE.
   Include nearest cross street and care of address information if appropriate.
2. Check the appropriate box for TYPE OF BUSINESS.
3. Check the appropriate box for TYPE OF BUSINESS OWNERSHIP.(ex. CORPORATION, INDIVIDUAL, etc.)
4. If Facitity/Site is located on land within an indian reservation or other indian trust lands, check the box marked "YES".
5. Phone number must have an area code. If the night number is the same, write "SAME" in proper location.
6. Record the E.P.A. ID # or write "NONE" in the space provided.
7. Indicate the NUMBER of TANKS at this SITE.

II. PROPERTY OWNER INFORMATION & ADDRESS - (MUST BE COMPLETED)

1. Complete all items in this section, unless all items are the same as SECTION 1; If the same, write **"SAME AS SITE"** across this section. Be sure to check PROPERTY OWNERSHIP TYPE box.

III. TANK OWNER INFORMATION & ADDRESS - (MUST BE COMPLETED)

1. Complete all items in this section, unless all items are the same as SECTION I; If the same, write **"SAME AS SITE"** across this section. Be sure to check TANK OWNERSHIP TYPE box.

IV. LEGAL NOTIFICATION AND BILLING ADDRESS

1. Check **ONE BOX** for the address that will be used for **BOTH LEGAL and BILLING NOTIFICATIONS.**

Applicant must sign and date form as indicated.

IT IS THE RESPONSIBLITY OF THE LOCAL AGENCY THAT INSPECTS THE FACILITY/SITE TO VERIFY THE ACCURACY OF THE INFORMATION. THE LOCAL AGENCY IS RESPONSIBLE FOR THE COMPLETION OF THE "LOCAL AGENCY USE ONLY" INFORMATION BOX AND FOR FORWARDING ONE FORM "A" AND ASSOCIATED FORM "B"(s) TO THE FOLLOWING ADDRESS:

DEPARTMENT OF PUBLIC WORKS
WASTE MANAGEMENT DIVISION
P.O. BOX 1460
ALHAMBRA, CA 91802-1460

LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS
Waste Management Divisic
UNDERGROUND STORAGE TANK PROGRAM
FACILITY/SITE INFORMATION
COMPLETE THIS FORM FOR EACH FACILITY/SITE

FORM 'B':
TANK

MARK ONLY ONE ITEM							
	☐ 1 NEW PERMIT	☐ 3 RENEWAL PERMIT	☒ 5 CHANGE OF INFORMATION	☐ 7 PERMANENTLY CLOSED TANK
	☐ 2 INTERIM PERMIT	☐ 4 AMENDED PERMIT	☐ 6 TEMPORARY TANK CLOSURE	☐ 8 TANK REMOVED

FACILITY/SITE NAME WHERE TANK IS INSTALLED: FARM TANK - YES ☐ NO ☒

I. TANK DESCRIPTION COMPLETE ALL ITEMS - IF UNKNOWN — SO SPECIFY

A. OWNERS TANK ID # 28.70	B. MANUFACTURED BY: Unknown
C. YEAR INSTALLED 1962	D. TANK CAPACITY IN GALLONS: 6,000

II. TANK CONTENTS IF (A.1), IS MARKED, COMPLETE ITEM C. IF (A.1), IS NOT MARKED, COMPLETE ITEM D.

A.	B.	C.
☐ 1 MOTOR VEHICLE FUEL ☐ 2 PETROLEUM	☐ 1 PRODUCT	☐ 1 UNLEADED ☐ 2 LEADED ☐ 3 DIESEL
☐ 3 CHEMICAL PRODUCT ☐ 4 OIL	☐ 2 WASTE	☐ 4 GASAHOL ☐ 5 JET FUEL ☐ 6 AVIATION GAS
☐ 5 HAZARDOUS ☒ 80 EMPTY ☐ 95 UNKNOWN		☐ 7 METHANOL ☐ 99 OTHER (DESCRIBE IN ITEM D, BELOW)

D. IF NOT MOTOR VEHICLE FUEL, ENTER NAME OF HAZARDOUS SUBSTANCE STORED & C.A.S. # 10% WASTE NaOH Solution C.A.S. #:

III. TANK CONSTRUCTION MARK ONE ITEM ONLY IN BOX A, B, C, & D

A. TYPE OF SYSTEM	☐ 1 DOUBLE WALLED	☐ 3 SINGLE WALLED WITH EXTERIOR LINER	☐ 95 UNKNOWN	
	☒ 2 SINGLE WALLED	☐ 4 SECONDARY CONTAINMENT	☐ 99 OTHER	
B. TANK MATERIAL	☒ 1 STEEL/IRON	☐ 2 STAINLESS STEEL	☐ 3 FIBERGLASS	☐ 4 STEEL CLAD W/FIBERGLASS REINFORCED PLASTIC
	☐ 5 CONCRETE	☐ 6 POLYVINYL CHLORIDE	☐ 7 ALUMINUM	☐ 8 100% METHANOL COMPATIBLE FRP
	☐ 9 BRONZE	☐ 10 GALVANIZED STEEL	☐ 95 UNKNOWN	☐ 99 OTHER
C. INTERIOR LINING	☐ 1 RUBBER LINED	☐ 2 ALKYD LINING	☐ 3 EPOXY LINING	☐ 4 PHENOLIC LINING
	☐ 5 GLASS LINING	☒ 6 UNLINED		☐ 95 UNKNOWN
	☐ IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL?		☐ YES ☐ NO	☐ 99 OTHER
D. CORROSION PROTECTION	☐ 1 POLYETHLENE WRAP	☐ 2 TAR OR ASPHALT	☐ 3 VINYL WRAP	☐ 4 FIBERGLASS REINFORCED PLASTIC
	☐ 5 CATHODIC PROTECTION	☐ 91 NONE	☒ 95 UNKNOWN	☐ 99 OTHER

IV. PIPING INFORMATION CIRCLE A IF ABOVE GROUND, U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE	A U 1 SUCTION	A U 2 PRESSURE	A (U) 3 GRAVITY	A U 91 NONE	A U 95 UNKNOWN A U 99 OTHER
B. CONSTRUCTION	A (U) 1 SINGLE WALLED	A U 2 DOUBLE WALLED	A U 3 LINED TRENCH	A U 91 NONE	A U 95 UNKNOWN A U 99 OTHER
C. MATERIAL	A (U) 1 STEEL/IRON	A U 2 STAINLESS STEEL	A U 3 POLYVINYL CHLORIDE (PVC)	A U 4 FIBERGLASS PIPE	A U 91 NONE
	A U 5 ALUMINUM	A U 6 CONCRETE	A U 7 STEEL CLAD W/FRP	A U 8 100% METHANOL COMPATIBLE FRP	
	A U 9 GALVANIZED STEEL	A U 95 UNKNOWN	A U 99 OTHER		

V. LEAK DETECTION SYSTEM CIRCLE P FOR PRIMARY, OR S FOR SECONDARY, A PRIMARY LEAK DETECTION SYSTEM MUST BE CIRCLED.

P S 1 VISUAL CHECK (P) S 2 INVENTORY RECONCILIATION P S 3 VADOSE WELLS P S 4 ELECTRONIC MONITOR P S 5 GROUND WATER MONITORING WELLS
P S 6 PRECISION TESTING P S 7 PRESSURE TESTING P (S) 91 NONE P S 95 UNKNOWN P S 99 OTHER

VI. INFORMATION ON TANK PERMANENTLY CLOSED IN PLACE

1. ESTIMATED DATE LAST USED (MO/YR)	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING IN	3. WAS TANK FILLED WITH INERT MATERIAL?
July 1986	0 GALLONS	☐ YES ☒ NO

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT.

APPLICANT'S NAME (PRINTED & SIGNATURE)	DATE
ROBERT SWIGART Robert Swigart	20 NOV 89

LOCAL AGENCY USE ONLY

COUNTY #	JURISDICTION #	AGENCY #	FILE #	TANK ID #
19	000	001	005385	

CURRENT LOCAL AGENCY FACILITY ID #	APPROVED BY NAME	PHONE # WITH AREA CODE
00000003098 1		

PERMIT NUMBER	PERMIT APPROVAL DATE	PERMIT EXPIRATION DATE

CHECK #	PERMIT AMOUNT	SURCHARGE AMT.	FEE CODE	RECEIPT #	BY:

LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS
Waste Management Division

FORM 'B':
TANK

UNDERGROUND STORAGE TANK PROGRAM
TANK INFORMATION

INSTRUCTIONS FOR COMPLETING THIS FORM

GENERAL INSTRUCTIONS:

1. One FORM "B" shall be completed for each tank for all **NEW PERMITS, PERMIT CHANGES, TANK CLOSURES, TANK REMOVALS,** and/or any other **TANK INFORMATION CHANGE.**
2. This form should be completed by either the **PERMIT APPLICANT**
3. Please type or print clearly all requested information.
4. Use a hard point writing instrument, you are making 3 copies.

TOP OF FORM: "MARK ONLY ONE ITEM"

1. Mark an (X) in the box next to the item that best describes the reason the form is being completed.
2. Indicate the Facility/Site name where the tank is installed.
3. Is this tank a farm tank? Check 'YES' or 'NO'. A farm tank is a tank located on an agricultural farm which stores motor vehicle fuel used to propel farm vehicles.

I. TANK DESCRIPTION — COMPLETE ALL ITEMS - IF UNKNOWN - SO SPECIFY

A. Indicate owners tank ID # - If there is a tank number that is used by the owner to identify the tank.(ex. AB70789)
B. Indicate the name of the company that manufactured the tank. (ex. ACME TANK MFG.)
C. Indicate the year tank was installed. (ex. 1987)
D. Indicate the tank capacity in gallons. (ex. 25,000 or 10,000, etc.)

II TANK CONTENTS

A. 1. If MOTOR VEHICLE FUEL, check box 1 and complete items B & C.
   2. If not MOTOR VEHICLE FUEL, check the appropriate box in section A and complete items B & D.
B. Check the appropriate box.
C. Check the type of MOTOR VEHICLE FUEL. (if box 1 is checked in A)
D. Print the chemical name of the hazardous substance stored in the tank and the C.A.S. #. (Chemical Abstract Service number), if box 1 is NOT checked in A.

III. TANK CONSTRUCTION — MARK ONE ITEM ONLY IN BOX A, B, C & D

1. Check only one item in TYPE OF SYSTEM, TANK MATERIAL, INTERIOR LINING and CORROSION PROTECTION.
2. If OTHER, print in the space provided.

IV. PIPING INFORMATION

1. Circle **A** if above ground, or **U** if underground; circle both if applicable.
2. If UNKNOWN, circle or if OTHER, print in space provided.

V. LEAK DETECTION SYSTEM

1. Circle **P** for PRIMARY, or **S** for SECONDARY. A primary and/or secondary leak detection system **MUST** be circled.
2. If UNKNOWN, specify or if OTHER, print in space provided.
3. If there is no SECONDARY LEAK DETECTION SYSTEM, circle NONE.

VI. INFORMATION ON TANK PERMANENTLY CLOSED IN PLACE

1. ESTIMATED DATE LAST USED - MONTH/YEAR (January, 1988 or 01/88).
2. ESTIMATED QUANTITY of SUBSTANCE remaining in tank. (in Gallons)
3. WAS TANK FILLED WITH INERT MATERIAL? Check 'YES' or 'NO'.

Applicant must sign and date form as indicated.

IT IS THE RESPONSIBLITY OF THE LOCAL AGENCY THAT INSPECTS THE FACILITY/SITE TO VERIFY THE ACCURACY OF THE INFORMATION. THE LOCAL AGENCY IS RESPONSIBLE FOR THE COMPLETION OF THE "LOCAL AGENCY USE ONLY" INFORMATION BOX AND FOR FORWARDING ONE FORM "A" AND ASSOCIATED FORM "B"(s) TO THE FOLLOWING ADDRESS:

DEPARTMENT OF PUBLIC WORKS
WASTE MANAGEMENT DIVISION
P.O. BOX 1460
ALHAMBRA, CA 91802-1460

UPDATE FORM (UF)

FILE No.- 5385 HMUSP No.- 3293 AREA 22

REVIEW DATE: 9/9/92

REVIEWED BY: SSA

HMS INPUT BY: LC

DOCUMENT DATE (APP REC'D)	DOCUMENT/ APPLICATION LISTING USTs & UST DATA	COLUMN (1) USTs PERMITTED	COLUMN (2) UST ADDITIONS	COLUMN (3) USTs CLOSED	NET USTs (A)
5-5-86	3293	5			
7-29-87	3036B			4	
TOTALS				(A) =	1

>>>>>>>>>>> ACTIVE USTs DETERMINED FROM HMS (ACT TANK CT): (B) = 1

BH:UPDATE1

UST DATA/ADJUSTMENTS

UST NO.	UST SIZE	UST CONTENTS	UST CONSTRUCTION	KEY/ APP TYPE
001	6000	10% NAOH Solution	SW	Key
002				
003				
004				
005				
006				
007				
008				
009				
010				
011				
012				
013				
014				
015				
016				
017				
018				
019				
020				
021				
022				

COMMENTS:

E.P.A. #CAT080010655

APPLICATION FOR CLOSURE
HAZARDOUS MATERIALS UNDERGROUND STORAGE
COUNTY OF LOS ANGELES-DEPARTMENT OF PUBLIC WORKS
WASTE MANAGEMENT DIVISION
900 S. FREMONT AVENUE
ALHAMBRA, CALIFORNIA 91803-1331

Permit 41613 B
File 5385 R/C 22
Fee $ 215
Check [X] Cash [ ]

OWNER: Name AIR PRODUCTS MANUFACTURING CORP. Phone (310) 518-0430
Mailing Address 23320 S. ALAMEDA ST. City CARSON State CA Zip 90810

FACILITY:
Occupant Name AIR PRODUCTS MANUFACTURING CORP. Phone (310) 518-0430
Site Address 23320 S. ALAMEDA ST. City CARSON Zip 90810
Mailing Address 23320 S. ALAMEDA ST. City CARSON State CA Zip 90810
Contact Person CHARLES ROLPH Title MANAGER

CONTRACTOR [✓], complete below: OWNER/OPERATOR AS CONTRACTOR [ ]
Name MOINE BROS. Phone (310) 830-1570
State License No. 343468 Class C21; C61-D40

CLOSURE REQUESTED:
[✓] PERMANENT, TANK REMOVAL (See Conditions A and C Attached)
How many underground tanks will remain after this closure? -0-
[ ] PERMANENT, CLOSURE IN PLACE (See Conditions A and D Attached)
[ ] TEMPORARY (See Conditions A and B Attached)

TANK DESCRIPTION: PLOT PLAN ATTACHED [ ] EXISTING HMUSP NO. _____

Tank No.	Tank Mat'l	Age	Capacity	Materials Stored (Past/Present)
1	STEEL	UNKNOWN	6,000	CAUSTIC WATER

COMPLETE THE FOLLOWING:	YES	NO
Has an unauthorized release ever occurred at this site?	[ ]	[✓]
Have structural repairs ever been made to these tanks?	[ ]	[✓]
Will new underground tanks be installed after closure?	[ ]	[✓]
Will any wells, including monitoring wells, be abandoned?	[ ]	[✓]

NOTICE: CONTAMINATED TANKS AND RESIDUES THAT MAY BE LEFT IN TANKS TO BE CLOSE MAY BE A HAZARDOUS WASTE WHICH MUST BE TRANSPORTED AND DISPOSED OF PURSUANT TO CHAPTER 6.5, CALIFORNIA HEALTH & SAFETY CODE. FAILURE TO COMPLY MAY BE PROSECUTED AS A FELONY VIOLATION.

By signature below the applicant certifies that all statements and disclosures above are true and correct and that they have read and agree to abide by this permit and all conditions and limitations attached.

Applicant's Signature [signature] Date 10-8-92
(Print Name) CHARLES MOINE Phone (310) 830-1570
Owner [ ] Operator [ ] Contractor [✓]

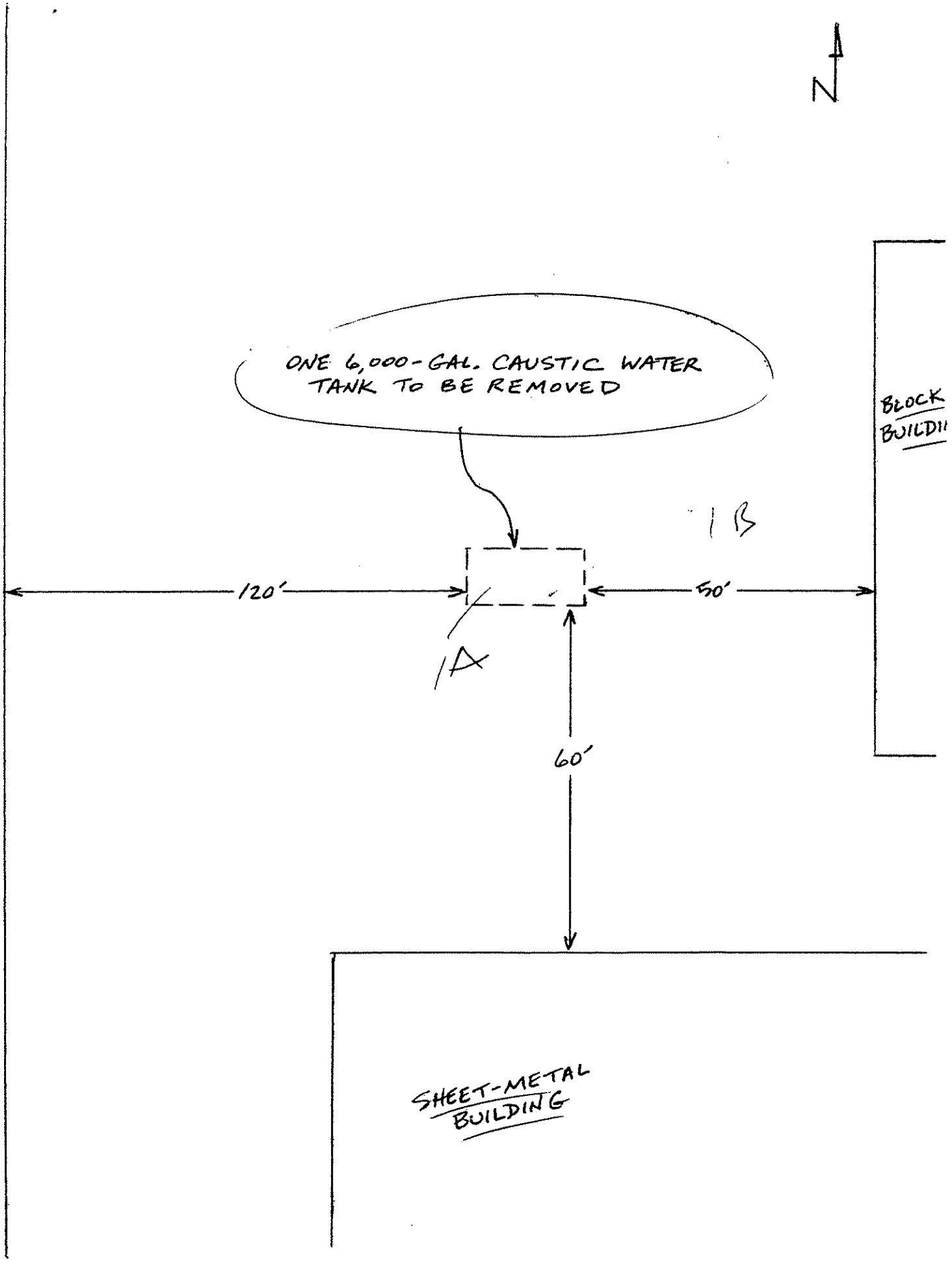
TO BE COMPLETED BY THE DEPARTMENT OF PUBLIC WORKS

PURSUANT TO SECTION 11.80.070B, LOS ANGELES COUNTY CODE, PERMISSION IS HEREBY GRANTED TO PROCEED WITH THE CLOSURE DESCRIBED ABOVE SUBJECT TO THE ATTACHED CONDITIONS AND LIMITATIONS [X]. THIS PERMIT EXPIRES 180 DAYS FROM THE DATE BELOW.

T.A. TIDEMANSON
Director of Public Works

By [signature] Date 10-19-92

AIR PRODUCTS
23320 S. ALAMEDA ST., CARSON 90745



CLOSURE PERMIT SUPPLEMENT
HAZARDOUS MATERIALS UNDERGROUND STORAGE
LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
WASTE MANAGEMENT DIVISION
900 S. FREMONT AVENUE
ALHAMBRA, CA 91803

Closure Permit
No.: 41613B
File No.
I- 5385-22

PART 1 OF 2

To satisfy the permanent closure requirements for underground storage tanks previously storing hazardous materials, site integrity must be demonstrated by the analysis of soil samples and, if applicable, groundwater samples as outlined below. These requirements are in addition to the conditions listed on the Application for Closure or contained in an approved Closure Plan.

1. Samples shall be obtained at the sampling points (SP) indicated on the attached plot plan.

2. For each SP, samples shall be obtained at the following depths:

SP	Depth(s)	Compounds	Analysis Method
1A, 1B	2-4FT BELOW	TPH, BTXE	418.1, 8020
	TANK INVERT	PH, Na	Appropriate EPA Meth
20FT INTERVAL	"	"	
ALONG PRODUCT PIPING		"	418.1, 8020

dn4/FPERMIT Rev. 3/90

Cont'd on Page 2

3. All soil samples obtained shall be discrete, undisturbed and unexposed prior to analysis. The method used to obtain the samples and the date of sampling shall be included in the final report.

4. If groundwater is encountered during sampling, a groundwater monitoring well shall be established at the most downgradient sampling point. The well shall be developed by removing a minimum of four well volumes and a groundwater sample shall be obtained and analyzed.

5. The analytical results for all soil samples shall be expressed milligrams per kilogram (mg/kg), or micrograms per kilogram (ug/kg) as appropriate. Practical quantitation limits of 5-10 ug/kg (ppb) for volatile organics and 1 mg/kg (ppm) for the petroleum hydrocarbons must be achieved by the laboratory. Analytical results for groundwater samples shall be expressed in ug/l (ppb) and practical quantitation limits of .5-5 ug/l (ppb) for volatile organics, and 1 mg/l (ppm) for petroleum hydrocarbons must be achieved by the laboratory.

6. Analytical results shall be reported on laboratory letterhead and shall include the following information: a) The date the analysis was conducted; b) The method of extraction (if applicable); c) Detection limits for each analytical procedure and determiantion; d) The method of analysis; e) Signature of chemist certifying results.

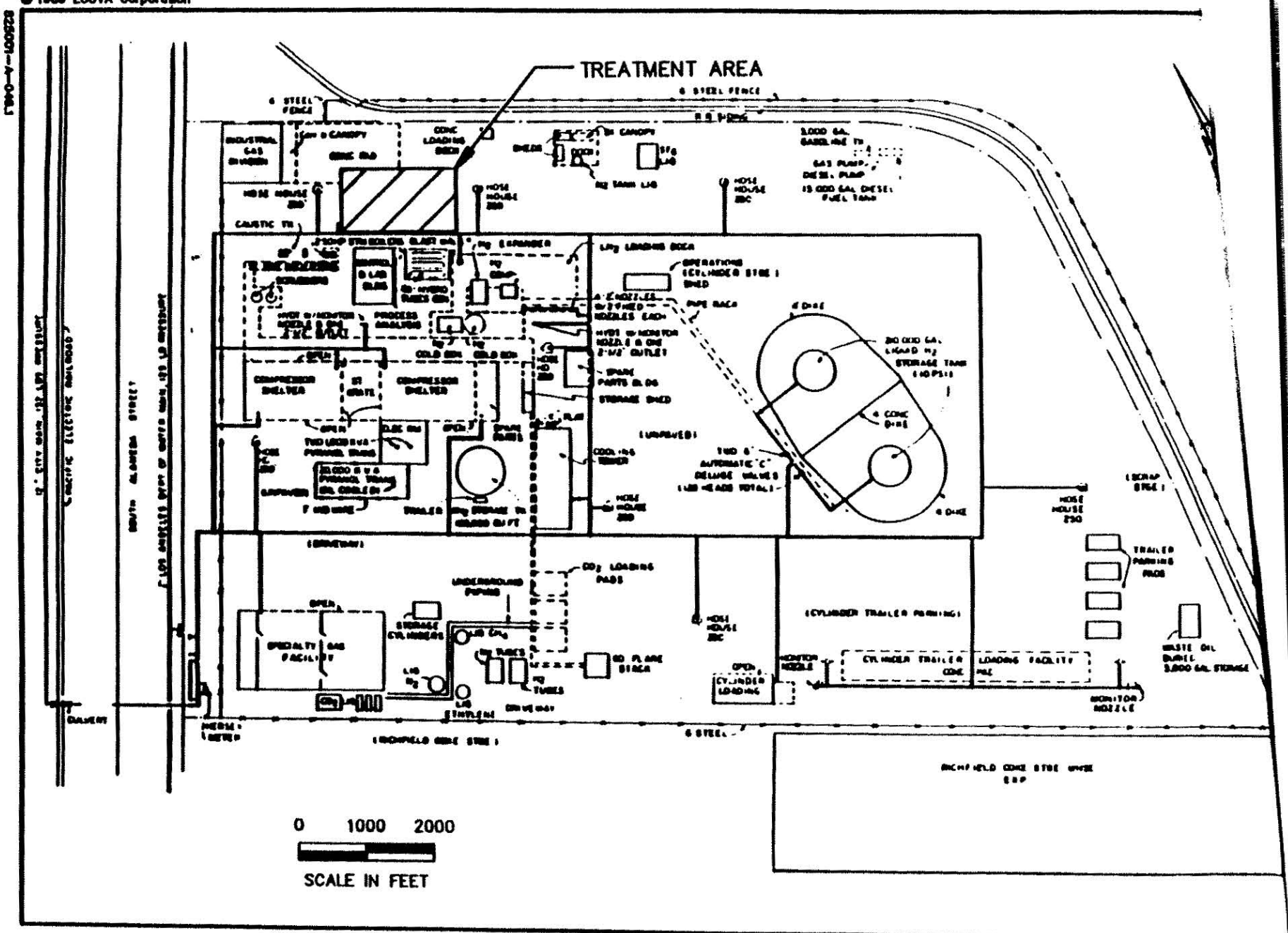
7. All soil/groundwater samples obtained shall be handled and transported to laboratory in strict accordance with applicable EPA regulations utilizing chain-of-custody procedures. Chain-of-custody documentation shall be included in the final report.

8. If the soil/groundwater analysis indicates undefined contamination at the facility, additional sampling shall be required to define the vertical and lateral extent present.

9. A final report that contains all of the above required information shall be submitted to the office above within one (1) month from the sampling date or 180 days from the date of this permit, whichever is earlier.

4907 ;

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CLOSURE -- UNDERGROUND STORAGE TANKS

CONDITIONS A -- GENERAL

1. Closures shall be carried out such that all applicable regulations from the following agencies are complied with: Los Angeles County, Department of County Engineer - Facilities; Los Angeles County Fire Department, Fire Prevention Division or the appropriate City Fire Department; South Coast Air Quality Management District; and Los Angeles County Department of Health Services.

2. The County Engineer and Fire Departments shall be notified in advance of any closure in accordance with the following:

   a. Removal of tank shall require a three (3) business day advance notification.

   b. Permanent closure of a tank in place or a temporary closure shall require a 30 day written notification.

3. Consult current fee schedule for costs.

4. All abandoned wells shall be destroyed in such a way that they will not produce water or act as a channel for interchange of water, when such interchange may result in deterioration of the quality of water in any or all water bearing formations penetrated, or present a hazard to the safety and well-being of people and animals.

5. A well destruction permit issued by the Los Angeles Department of Health Services shall be required for all wells requiring a permit for their initial construction.

6. Well destruction shall be accomplished according to methods described in the latest "Water Well Standards: State of California" by the Department of Water Resources, contained in Bulletin 74-81, December 1981, or any other methods that will provide equivalent or better protection.

7. Plans for the decontamination of a facility shall be submitted to the County Engineer for approval no later than 30 days before the commencement of such operations. Other agencies having jurisdiction shall also be notified. These agencies include the California Regional Water Quality Board, the Los Angeles County Department of Health Services, and the South Coast Air Quality Management District.

8. Decontamination shall require the following, as a minimum:

   a. Cleaning operation shall be done under the supervision of persons who understand the hazardous potential of the original liquid stored and its components.

   b. The personnel shall be sufficiently skilled to safely carry out such operation.

   c. Contaminated materials removed from such facility shall be disposed of at legal point of discharge.

   d. The operation shall be carried out in a manner that will not endanger the health of the public and the environment.

CONDITIONS B -- TEMPORARY

1. All temporary closures shall be carried out as indicated in Los Angeles County Fire Department, Fire Prevention Division, Supplement #A -- Inspection Guide #6, "Abandonment or Removal of Underground Tanks," Part A and any other applicable Parts.

2. A temporary closure shall not exceed 90 days.

CONDITIONS C -- PERMANENT TANK(S) REMOVAL

1. All tank removals shall be carried out as indicated in Los Angeles County Fire Department, Fire Prevention Division, Supplement #A -- Inspection Guide #6, Part D and any other applicable Parts.

2. Owners/operators shall notify the Building Department having jurisdiction at the place of removal if a grading permit is necessary.

3. Removed tanks shall not be transported away from the site until an inspection to establish site integrity is carried by the County Engineer.

4. If an appointment has been arranged with a County Engineer Inspector to inspect the removal of a tank, the inspector will only wait at the site a reasonable amount of time (approximately one hour) after arriving for the removal to commence. Another closure fee may be charged if the inspector has to return to the site.

5. After inspection, tanks shall be transported to a legal disposal point.

6. If the tank has stored materials other than motor fuel, fuel oil or waste oil, site integrity shall be demonstrated using the soil sampling and analysis procedures described in CONDITIONS D below.

7. The site shall be backfilled and recompacted to a relative compaction of 90%.

CONDITIONS D -- PERMANENT

1. All permanent closures of tanks in place shall comply with Los Angeles County Fire Department, Fire Prevention Division, Supplement #A -- Inspection Guide #6, Parts B or C, and any other applicable Parts.

2. Owners/operators shall demonstrate part site integrity as follows:

   a. Test borings shall be slant drilled to intercept a point beneath the center of the tank, if possible. If slant drilling is not feasible, the test borings may be drilled vertically and the reason stated in the report in 2.h. below.

   b. For single tanks, a minimum of two test borings will be required, each located on opposite sides of the tank along the major axis of the tank.

   c. For multiple tanks, as a minimum, borings shall be placed at 20 foot intervals around the tank cluster. The actual number and location of borings shall be evaluated on a case-by-case basis. Tanks separated by 20 feet or more shall be considered single tanks for the purposes of test location and placement.

   d. Soil samples shall be taken at depths of 5, 10, 20, 30 and 40 feet below grade level.

   e. A Shelby Tube or a Modified California Sampler shall be utilized for taking all soil samples.

   f. Soil samples shall be capped immediately with teflon or aluminum.

   g. Soil samples shall not be extruded in the field but are to be immediately placed in a refrigerated ice chest and transported to a state certified laboratory for analysis, using suitable methods.

   h. A report containing the results of the above analysis shall be submitted to the County Engineer.

3. If the soil analysis in 2. above indicates the presence of contaminants, the County Engineer shall require a site investigation as described in Chapter V of the County's "Underground Storage of Hazardous Materials -- Guidelines."

4. A report shall be submitted to the County Engineer containing the results of the site investigation.

NOTICE TO CLOSURE PERMIT APPLICANTS

The South Coast Air Quality Management District (SCAQMD) has adopted Rule 1166 regulating emissions of Volatile Organic Compounds (VOC) from decontamination of soil effective **August 6, 1988.**

In addition to the requirements of your Closure Permit, persons excavating any underground storage tank that previously contained VOC's must:

- Notify the SCAQMD Executive Officer by telephone at (714) 396-2000 24 hours prior to tank excavation. 1166(c)(1)(A)
- Monitor the excavated material during the excavation for VOC contamination. 1166(c)(1)(B)
- When VOC contamination is detected:
  * Cease excavation
  * Cover the contaminated soil until implementation of approved mitigation measures. 1166(c)(1)(C)
  * Notify the SCAQMD Executive Officer at (714) 396-2000 within 24 hours of detection of VOC contaminated soil. 1166(c)(2)(A)
- A person shall not engage in or allow any on-site or off-site spreading of VOC contaminated soil which results in uncontrolled evaporation of VOC to the atmosphere. 1166(c)(3)

Exemptions

- Treatment of less than one (1) cubic yard of contaminated soil. 1166(d)(1)(A)
- Decontamination of soil containing organic compounds that have initial boiling point of 302°F or greater, Reid Vapor Pressure less than 80mm Hg or Absolute Vapor Pressure less than 36mm Hg at 20°C. 1166(d)(1)(B),(F)
- Removal of soil for sampling purposes pursuant to EPA methods. 1166(d)(1)(C)
- Accidental spillage of five (5) gallons or less of VOC. 1166(d)(1)(D)
- Documentation of soil which is contaminated through natural seepage of VOC from oil and gas wells or other natural sources. 1166(d)(1)(E)

SPECIFIC QUESTIONS ON RULE 1166 SHOULD BE REFERRED TO THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (714) 396-2000

UST1/NOTCLOSE

LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
CLOSURE REPORT REQUIREMENTS

A closure report shall be submitted to the Los Angeles County Department of Public Works, Waste Management Division, P.O. Box 1460, Alhambra, CA 91802-1460, containing:

1. File number of facility and closure permit number.

2 Plot plan to scale showing locations of tanks, sampling points, buildings, adjacent streets and north arrow.

3. Description of methods for obtaining, handling, and transporting samples.

4. Time and date samples were obtained.

5. If borings were established, boring logs certified by a CA Registered Geologist, CA Certified Engineering Geologist, or CA Registered Civil Engineer with sufficient experience in soils.

6. Chain-of-custody documentation initiated by person obtaining sample through person at State Department of Health Services certified laboratory.

7. Disposal destination of tanks and evidence of legal disposal.

8. Analysis results by a State certified laboratory submitted on laboratory letterhead showing analysis date, methods of extraction and methods of analysis.

9. Documentation as to depth of groundwater at facility.

10. Manifests to document hazardous waste disposal of any removed soil and tank rinsate.

11. Any observations of site contamination.

12. Remedial action plan to mitigate contamination.

13. Report to be signed by CA Registered Geologist, CA Certified Engineering Geologist, or CA Registered Civil Engineer with sufficient experience in soils.

Signature T. Monie Date 10/19/92

ld4/CRR

ATTENTION CONTRACTOR

NOTIFICATION REQUIREMENTS

Pursuant to Los Angeles County Code, Section 11.78.045, and the Conditions and Limitations of the attached Hazardous Materials Underground Storage Closure Permit, you are required to complete ALL of the agency notifications indicated below within the time period specified prior to commencement of work on this closure.

[X] 72 HOURS - DEPARTMENT OF PUBLIC WORKS INDUSTRIAL WASTE ENGINEERING INSPECTOR:

>>Unless otherwise noted DPW inspectors are available at the following offices between 8:00 a.m. and 9:30 a.m. **ONLY.**<<

[ ] BELLFLOWER DISTRICT - (310) 804-2584
16600 Civic Center Dr., Suite 200, Bellflower, CA 90607

[X] CENTINELA VALLEY REGION - (310) 534-4862
24320 S. Narbonne Ave., Lomita, CA 90717

[ ] LENNOX DISTRICT - (310) 419-5650
4353 Lennox Blvd., Lennox, CA 90304

[ ] SAN GABRIEL VALLEY DISTRICT - (818) 574-0962
125 S. Baldwin Ave., Arcadia, CA 91007

[ ] SAN DIMAS REGION - M, W, & Fri. - (818) 574-0961
125 S. Baldwin Ave., Arcadia, CA 91007

[ ] EAST LOS ANGELES DISTRICT - (213) 260-3466
5119 E. Beverly Blvd., Los Angeles, CA 90022

[ ] NEWHALL REGION - (805) 253-7207
23757 W. Valencia Blvd., Santa Clarita, CA 91355

[X] 48 HOURS (OR AS REQUIRED) - LOCAL FIRE DEPARTMENT FIRE PREVENTION INSPECTOR:

[ ] City of _____

[X] Los Angeles County Fire Department 310 830 9596

[X] 24 HOURS - SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

(714) 396-2000

FAILURE TO PROVIDE NOTICE AS REQUIRED ABOVE MAY RESULT IN PERMIT REVOCATION, ADDITIONAL SITE ASSESSMENT REQUIREMENTS, AND/OR ADMINISTRATIVE PENALTIES AS PROVIDED BY LAW.

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM A

COMPLETE THIS FORM FOR EACH FACILITY/SITE

MARK ONLY ONE ITEM: ☐ 1 NEW PERMIT ☐ 2 INTERIM PERMIT ☐ 3 RENEWAL PERMIT ☐ 4 AMENDED PERMIT ☐ 5 CHANGE OF INFORMATION ☐ 6 TEMPORARY SITE CLOSURE ☑ 7 PERMANENTLY CLOSED SITE

I. FACILITY/SITE INFORMATION & ADDRESS - (MUST BE COMPLETED)

DBA OR FACILITY NAME	NAME OF OPERATOR		
AIR PRODUCTS MANUFACTURING CORP.			
ADDRESS	NEAREST CROSS STREET		PARCEL # (OPTIONAL)
23320 S. ALAMEDA ST.			
CITY NAME	STATE	ZIP CODE	SITE PHONE # WITH AREA CODE
CARSON	CA	90810	(310) 518-0430

✓ BOX TO INDICATE: ☑ CORPORATION ☐ INDIVIDUAL ☐ PARTNERSHIP ☐ LOCAL-AGENCY DISTRICTS ☐ COUNTY-AGENCY ☐ STATE-AGENCY ☐ FEDERAL-AGENCY

TYPE OF BUSINESS	☐ ✓ IF INDIAN RESERVATION OR TRUST LANDS	# OF TANKS AT SITE	E. P. A. I. D. # (optional)
☐ 1 GAS STATION ☐ 2 DISTRIBUTOR ☐ 3 FARM ☐ 4 PROCESSOR ☑ 5 OTHER		1	CAT080010655

EMERGENCY CONTACT PERSON (PRIMARY)		EMERGENCY CONTACT PERSON (SECONDARY) - optional	
DAYS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE	DAYS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE
ROLPH, CHARLES	(310) 518-0430		
NIGHTS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE	NIGHTS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE
ROLPH, CHARLES	(310) 518-0430		

II. PROPERTY OWNER INFORMATION - (MUST BE COMPLETED)

NAME	CARE OF ADDRESS INFORMATION		
AIR PRODUCTS MANUFACTURING CORP.			
MAILING OR STREET ADDRESS	✓ box to indicate ☐ INDIVIDUAL ☐ LOCAL-AGENCY ☐ STATE-AGENCY		
23320 S. ALAMEDA ST.	☑ CORPORATION ☐ PARTNERSHIP ☐ COUNTY-AGENCY ☐ FEDERAL-AGENCY		
CITY NAME	STATE	ZIP CODE	PHONE # WITH AREA CODE
CARSON	CA	90810	(310) 518-0430

III. TANK OWNER INFORMATION - (MUST BE COMPLETED)

NAME OF OWNER	CARE OF ADDRESS INFORMATION		
AIR PRODUCTS MANUFACTURING CORP.			
MAILING OR STREET ADDRESS	✓ box to indicate ☐ INDIVIDUAL ☐ LOCAL-AGENCY ☐ STATE-AGENCY		
23320 S. ALAMEDA ST.	☑ CORPORATION ☐ PARTNERSHIP ☐ COUNTY-AGENCY ☐ FEDERAL-AGENCY		
CITY NAME	STATE	ZIP CODE	PHONE # WITH AREA CODE
CARSON	CA	90810	(310) 518-0430

IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER - Call (916) 323-9555 if questions arise.

TY (TK) HQ 44-007922

V. PETROLEUM UST FINANCIAL RESPONSIBILITY - (MUST BE COMPLETED) – IDENTIFY THE METHOD(S) USED

✓ box to indicate: ☑ 1 SELF-INSURED ☐ 2 GUARANTEE ☐ 3 INSURANCE ☐ 4 SURETY BOND ☐ 5 LETTER OF CREDIT ☐ 6 EXEMPTION ☐ 99 OTHER

VI. LEGAL NOTIFICATION AND BILLING ADDRESS

Legal notification and billing will be sent to the tank owner unless box I or II is checked.

CHECK ONE BOX INDICATING WHICH ABOVE ADDRESS SHOULD BE USED FOR LEGAL NOTIFICATIONS AND BILLING: I. ☐ II. ☐ III. ☑

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE)	APPLICANT'S TITLE	DATE MONTH/DAY/YEAR
CHARLES MOYNE	CONTRACTOR	10-8-92

LOCAL AGENCY USE ONLY

COUNTY #	JURISDICTION #	FACILITY #
		01

LOCATION CODE - *OPTIONAL*	CENSUS TRACT # - *OPTIONAL*	SUPVISOR - DISTRICT CODE - *OPTIONAL*

THIS FORM MUST BE ACCOMPANIED BY AT LEAST (1) OR MORE PERMIT APPLICATION - FORM B, UNLESS THIS IS A CHANGE OF SITE INFORMATION ONLY.

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B

COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY ONE ITEM: ☐ 1 NEW PERMIT ☐ 2 INTERIM PERMIT ☐ 3 RENEWAL PERMIT ☐ 4 AMENDED PERMIT ☐ 5 CHANGE OF INFORMATION ☐ 6 TEMPORARY TANK CLOSURE ☐ 7 PERMANENTLY CLOSED ON SITE ☑ 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: AIR PRODUCTS MANUFACTURING CORP.

I. TANK DESCRIPTION

COMPLETE ALL ITEMS -- SPECIFY IF UNKNOWN

A. OWNER'S TANK I. D. #	B. MANUFACTURED BY: UNKNOWN
C. DATE INSTALLED (MO/DAY/YEAR)	D. TANK CAPACITY IN GALLONS:

II. TANK CONTENTS

IF A-1 IS MARKED, COMPLETE ITEM C.

A. ☐ 1 MOTOR VEHICLE FUEL ☐ 2 PETROLEUM ☐ 3 CHEMICAL PRODUCT ☐ 4 OIL ☐ 80 EMPTY ☐ 95 UNKNOWN

B. ☐ 1 PRODUCT ☑ 2 WASTE

C. ☐ 1a REGULAR UNLEADED ☐ 1b PREMIUM UNLEADED ☐ 2 LEADED ☐ 3 DIESEL ☐ 4 GASAHOL ☐ 5 JET FUEL ☐ 6 AVIATION GAS ☐ 7 METHANOL ☐ 99 OTHER (DESCRIBE IN ITEM D. BELOW)

D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED: CAUSTIC WATER C. A. S. # :

III. TANK CONSTRUCTION

MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM: ☐ 1 DOUBLE WALL ☑ 2 SINGLE WALL ☐ 3 SINGLE WALL WITH EXTERIOR LINER ☐ 4 SECONDARY CONTAINMENT (VAULTED TANK) ☐ 95 UNKNOWN ☐ 99 OTHER

B. TANK MATERIAL (Primary Tank): ☑ 1 BARE STEEL ☐ 2 STAINLESS STEEL ☐ 3 FIBERGLASS ☐ 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC ☐ 5 CONCRETE ☐ 6 POLYVINYL CHLORIDE ☐ 7 ALUMINUM ☐ 8 100% METHANOL COMPATIBLE W/FRP ☐ 9 BRONZE ☐ 10 GALVANIZED STEEL ☐ 95 UNKNOWN ☐ 99 OTHER

C. INTERIOR LINING: ☐ 1 RUBBER LINED ☐ 2 ALKYD LINING ☐ 3 EPOXY LINING ☐ 4 PHENOLIC LINING ☐ 5 GLASS LINING ☐ 6 UNLINED ☑ 95 UNKNOWN ☐ 99 OTHER
IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL ? YES ___ NO ___

D. CORROSION PROTECTION: ☐ 1 POLYETHYLENE WRAP ☐ 2 COATING ☐ 3 VINYL WRAP ☐ 4 FIBERGLASS REINFORCED PLASTIC ☐ 5 CATHODIC PROTECTION ☐ 91 NONE ☑ 95 UNKNOWN ☐ 99 OTHER

E. SPILL AND OVERFILL: SPILL CONTAINMENT INSTALLED (YEAR) UNKNOWN OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) UNKNOWN

IV. PIPING INFORMATION

CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE: A U 1 SUCTION A U 2 PRESSURE A (U) 3 GRAVITY A U 99 OTHER

B. CONSTRUCTION: (A) U 1 SINGLE WALL A U 2 DOUBLE WALL A U 3 LINED TRENCH A U 95 UNKNOWN A U 99 OTHER

C. MATERIAL AND CORROSION PROTECTION: A U 1 BARE STEEL A U 2 STAINLESS STEEL A U 3 POLYVINYL CHLORIDE (PVC) A U 4 FIBERGLASS PIPE A U 5 ALUMINUM A U 6 CONCRETE A U 7 STEEL W/ COATING A U 8 100% METHANOL COMPATIBLE W/FRP A U 9 GALVANIZED STEEL A U 10 CATHODIC PROTECTION A (U) 95 UNKNOWN A U 99 OTHER ___

D. LEAK DETECTION: ☐ 1 AUTOMATIC LINE LEAK DETECTOR ☐ 2 LINE TIGHTNESS TESTING ☐ 3 INTERSTITIAL MONITORING ☑ 99 OTHER UNKNOWN

V. TANK LEAK DETECTION

☐ 1 VISUAL CHECK ☐ 2 INVENTORY RECONCILIATION ☐ 3 VADOZE MONITORING ☐ 4 AUTOMATIC TANK GAUGING ☐ 5 GROUND WATER MONITORING ☐ 6 TANK TESTING ☐ 7 INTERSTITIAL MONITORING ☐ 91 NONE ☑ 95 UNKNOWN ☐ 99 OTHER

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR)	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING	3. WAS TANK FILLED WITH INERT MATERIAL ?
UNKNOWN	0 GALLONS	YES ☐ NO ☑

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE)	DATE
CHARLES MOINE	10-8-92

LOCAL AGENCY USE ONLY

THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.# COUNTY # JURISDICTION # FACILITY # TANK # 01

PERMIT NUMBER	PERMIT APPROVED BY/DATE	PERMIT EXPIRATION DATE

FORM B (7-91) THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.

FOR0034B-R5

FILE: 965184-005585 L.A. COUNTY DEPARTMENT OF PUBLIC WORKS RUN DATE: 10/08/92
REC: A0000-11613 FEE RECEIPT FOR RUN TIME: 12:02:54
CLOSURE BY REMOVAL REPT: HMC225

RECEIVED FROM: AIR PRODUCTS MFG CORP
ADDRESS: 23320 S ALAMEDA ST
CARSON, CA 90810

AMOUNT PAID: $210.00 PAYMENT TYPE: OVER THE COUNTER CHECKS
DATE PAID: 10/05/92 DEPOSIT DATE: 10/08/92
REF #: 92100892 PAYOR/COMMENTS: 2063/MOORE BROTHERS BY TONY
RCPT #: 920000000142 AREA: CITY OF CARSON

THIS SERVES AS AN AUTHORIZATION TO CLOSE AND/OR REMOVE THE TANKS LISTED BELOW SUBJECT TO THE ATTACHED REQUIREMENTS.

TANK#	TANK CONTENTS	OWNER TANK #	TANK CAPACITY
001	10% WASTE NAOH SOLUTION	20,70	6000 GAL

RECEIVED BY: MICHAEL ONAFRAY

FUBII 5385-22

LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS
COMPLAINT REPORT

REFERRED TO RANDY MCDONALD

Caller BOB SWIGART Date 10/30/92

Company AIR PRODUCTS & CHEM Time 8:25 am

Telephone (215) 481 8867 (310) 830 8240 Assigned To _____

T 44222

NATURE OF COMPLAINT

Spill ____ Tank Leak ____ Illegal Dumping X Sewer Stoppage ____

Other REMOVING TRUCK SCALE AND DURING EXCAVATION FOUND ILLEGAL DUMPING

Company AIR PRODUCTS MFG. CORP — CARSON AREA

Location/Address 23320 S. ALAMEDA, L.B.

Contact _____ Telephone _____

Chemical/Material OIL/DIESEL OR GASOLINE

Date of Occurrence 10/29 Action Taken CALLED CUTTING (GAVE SWIGART RWQCB NUMBER TO CALL AND COLLECT JUST IN CASE)

VALLEY REGION FIELD OFFICE - RANDY MC DONALD. CALLED J. LEWIS TO VERIFY WITH RWQCB THAT BOB SWIGART CALLED - (HE DID)

38-0001 DPW 1/86

L.A. COUNTY DPW HAZARDOUS MATERIALS SYSTEM REPORT: HMR050.001

DATE COMPILED: 09/01/92 IW INSPECTION JOB ORDER INSP#: I000044222

RUN DATE: 11/02/92 16:23:09 SPECIAL INSPECTOR AUDIT OF PER ASSC#:

PAGE: 1

FILE #: 005186-I05385 NAME: AIR PRODUCTS MFG CORP
ADD: 23320 S ALAMEDA ST
CARSON, CA 90810 AREA: 22 SMD: 95
XSTREET: SEPULVEDA THOMAS GUIDE: 0000-00
CONTACT: DON REAMER TEL: 213 835 0106

PROC: SAMPLE REQUIRED? N SAMPLE #: _____

INSP INFO: DURING REMOVAL OF TRUCK SCALE CONTAMINATED SOIL DISCOVERED. VERIFY AND DETERMINE SOURCE OF CONTAMINATION - UST RELATED?

ASSGN TO: CENTINELA VALLEY FIELD OFFICE SECT: FIELD INSPECTION UNIT

==========

RESULTS: On inspection at the site I talked to Mr. C. Grigsby, Air Prod. and Mr. Wen Kuo Envir. Engr. They indacated that they were trying to determine source and extent.

REMARKS: Site to contact H.Q. to determine closure requirements.

INSPECTOR: Randy McDonald INSPECTION DATE: 11-3-92

DISP: comp 11/3/92 RB

C. G. Grigsby
Contract Superintendent

Representing:
Air Products and Chemicals, Inc.
7201 Hamilton Boulevard
Allentown, PA 18195-1501
Telephone (215) 481-7785
Fax (215) 481-2688

KUO ENVIRONMENTAL

WEN L. KUO, Ph.D.
ENVIRONMENTAL ENGINEERING

5455 GARDEN GROVE BLVD.
SUITE 300
WESTMINSTER, CA 92683

(714) 373-3016
FAX (714) 373-4670



Discolored

I 0000538274

COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS

Waste Management Division

INSPECTOR'S REPORT

TO: Joe Baiocco DATE: 11-23-92

FROM: Randy McDonald FILE: I- 5385-22

INDUSTRY: AIR Products Mfg. Corp.
23320 S. Alameda ST., Carson

REPORT: I received the enclosed letters regarding the recent discovery of soil contamination during demolishtion.

38-0002 DPW 10/86

Air Products and Chemicals, Inc.
7201 Hamilton Boulevard
Allentown, PA 18195-1501
Telephone (215) 481-4911
Telex: 84-7418

AIR PRODUCTS

4 November 1992

Los Angeles County Dept.
of Public Works
Waste Mgmt./Underground Tank Prgm.
P.O. Box 1460
Alhambra, CA 91802

Attn: Rob Kubomoto

Re: Written Report Follow-up to 30 October 1992 Verbal Spill Notification
Air Products Manufacturing Corp., 23320 S. Alameda St, Long Beach, CA 90810

Dear Sir:

This letter serves to document the verbal spill notification made in regards to our above referenced facility. As you may recall, Air Products was conducting some demolition activities when we encountered some soil contaminated with fuel. We assumed the source was related to an underground diesel tank that we removed and remediated about four years ago. In addition to yourself, I notified the California Office of Emergency Services (Report # 30300) and the Regional Water Quality Control Board (RWQCB).

On 29 October 1992, at 1:00 P.M., during the demolition of a truck-weighing scale pit at our 23320 S. Alameda Street facility, some fuel contaminated soil was encountered. The following day I reported the contaminated soil. An analysis of the soil shows 3516 ppm gasoline and 779 ppm diesel. The quantity of the contamination is unknown. The source of the contamination may have been from the underground diesel tank that was removed adjacent to the scale or due to a possible past surface spill. We are currently making arrangements with an environmental contractor to investigate and remediate or remove and dispose the contaminated soil.

Investigation and remediation reports will be forwarded to you and to the RWQCB unless you would prefer otherwise. If you have any questions, please call me at (215) 481-8867.

Sincerely,

Air Products and Chemicals, Inc

Robert Swigart

Robert J. Swigart
Senior Environmental Coordinator

RJS/longspil

c: California Office of Emergency Services
2800 Meadowview Road
Sacramento, CA 95832

Los Angeles County Dept. of
Centinela Valley Region
24320 S. Narbonne Ave.
Lomita, CA 90717
Attn: Industrial Waste
Randall McDonald

California Regional Water Quality Control Board
Region 4 Los Angeles
101 Centre Plaza Drive
Monterey Park, CA 91754
Attn: John Lewis

Air Products and Chemicals, Inc.
7201 Hamilton Boulevard
Allentown, PA 18195-1501

Telephone (215) 481-4911
Telex: 847416

AIR PRODUCTS

12 November 1992

Los Angeles County Dept.of Public Works
Waste Mgmt./Underground Tank Prgm.
P.O. Box 1460
Alhambra, Ca 91802

Attn: Rob Kubomoto

Re: Gasoline/Diesel Contaminated Soil Update
Air Products Manufact. Corp., 23320 S. Alameda St, Long Beach, Ca 90810

Dear Sir:

As you may recall, Air Products was conducting some demolition activities when we encountered some soil contaminated with gasoline and diesel. We assumed the source was related to an underground diesel tank that we removed and remediated about four years ago. As we investigate, we are beginning to put some pieces of the puzzle together that lead us to believe the contamination may be located over a larger area than we suspected and from a different source.

The above referenced facility is an industrial gas manufacturing plant where Air Products received a pipeline gas, from the petroleum cracking operation at the ARCO refinery across the street, and manufactured pure hydrogen. We have leased this property from ARCO since building our plant in 1962. We decommissioned the plant in 1986 and are currently demolishing sections of the facility so that we may return the land to ARCO.

The truck weighing scale, where the contamination was discovered, is adjacent to a section of our plant that we refer to as the purification or pretreatment area. This is were our demolition activities are currently being directed. Within this area is an underground spent caustic solution tank that we are going to remove. In preparation for this tank removal, we broke through the concrete pad, that covers most of this area, and discovered some similar gasoline/diesel contaminated soil. This would indicate that the contamination covers a larger area than just around the truck scale.

Within our purification/pretreatment area there are two aboveground storage tanks that contained hydrocarbon liquids. One tank is a 6000 gallon diesel tank and the other is a 6000 gallon hydrocarbon condensate tank. This hydrocarbon condensate was very similar to gasoline and contained benzene, toluene, ethylbenzene, and xylene. Given the location of the contaminated soil in relation to these aboveground storage tanks, the similarity of the contamination to the substances stored in these tanks, and the fact that the contamination is located near the ground surface, we now believe that possible surface spills related to

11. 12. 92 03:33 PM *PSG MATL. S. MGMT. P02

these tanks may be the source of this soil contamination. We are now directing our attention to the area beneath these tanks.

We are currently using Cleveland Environmental Services, Inc. to conduct our investigation. We continue to demolish aboveground structures in this area as it will facilitate further investigation and remediation.

If you have any questions regarding our activities, please call me at (215) 481-8867.

Sincerely,

Air Products and Chemicals, Inc

Robert J. Swigart
Senior Environmental Coordinator

RJS/lbspliud

c: Los Angeles County Dept. of Public Works
Centinela Valley Region
24320 S. Narbonne Ave.
Lomita, CA 90717
Attn: Industrial Waste
Randall McDonald

California Regional Water Quality Control Board
Region 4, Los Angeles
Room 4027
107 South Broadwaybc:
Los Angeles, CA 90012
Attn: John Lewis

11. 12. 92 03:33 PM *PSG MATL. S. MGMT. P03

APPLICATION FOR CLOSURE
HAZARDOUS MATERIALS UNDERGROUND STORAGE
COUNTY OF LOS ANGELES-DEPARTMENT OF PUBLIC WORKS
WASTE MANAGEMENT DIVISION
900 S. FREMONT AVENUE
ALHAMBRA, CALIFORNIA 91803-1331

Renewal of Permit #41613

Permit 61306
File 5385 R/C 22
Fee $215.00
Check [✓] Cash [ ]

OWNER: Name Air Products manufacturing Corp Phone 310)518-0430
Mailing Address 23320 S. Alameda st. City Carson State CA Zip 90810

FACILITY:
Occupant Name Air Products Manufacturing Corp Phone 310)518-0430
Site Address 23320 S. Alameda City Carson Zip 90810
Mailing Address 23320 S. Alameda City Carson State Zip 90810
Contact Person Charles Rolph Title Manager

CONTRACTOR [✓], complete below: OWNER/OPERATOR AS CONTRACTOR [ ]
Name I.T. corp Phone
State License No. 137422 Class A\B\R\C57\ Haz\ A-

CLOSURE REQUESTED:
[✓] PERMANENT, TANK REMOVAL (See Conditions A and C Attached)
How many underground tanks will remain after this closure? 0
[ ] PERMANENT, CLOSURE IN PLACE (See Conditions A and D Attached)
[ ] TEMPORARY (See Conditions A and B Attached)

TANK DESCRIPTION: PLOT PLAN ATTACHED [✓] EXISTING HMUSP NO. _____

Tank No.	Tank Mat'l	Age	Capacity	Materials Stored (Past/Present)
1	Steel	Unknown	6000	Caustic water

COMPLETE THE FOLLOWING:

	YES	NO
Has an unauthorized release ever occurred at this site?	[ ]	[✓]
Have structural repairs ever been made to these tanks?	[ ]	[✓]
Will new underground tanks be installed after closure?	[ ]	[✓]
Will any wells, including monitoring wells, be abandoned?	[ ]	[✓]

NOTICE: CONTAMINATED TANKS AND RESIDUES THAT MAY BE LEFT IN TANKS TO BE CLOSED MAY BE A HAZARDOUS WASTE WHICH MUST BE TRANSPORTED AND DISPOSED OF PURSUANT TO CHAPTER 6.5, CALIFORNIA HEALTH & SAFETY CODE. FAILURE TO COMPLY MAY BE PROSECUTED AS A FELONY VIOLATION.

By signature below the applicant certifies that all statements and disclosures above are true and correct and that they have read and agree to abide by this permit and all conditions and limitations attached.

Applicant's Signature I.T. Corp By [signature] Date 5-6-93
(Print Name) Steven L. Monson Phone 310)830-7187
Owner [ ] Operator [ ] Contractor [X]

TO BE COMPLETED BY THE DEPARTMENT OF PUBLIC WORKS

PURSUANT TO SECTION 11.80.070B, LOS ANGELES COUNTY CODE, PERMISSION IS HEREBY GRANTED TO PROCEED WITH THE CLOSURE DESCRIBED ABOVE SUBJECT TO THE ATTACHED CONDITIONS AND LIMITATIONS [X]. THIS PERMIT EXPIRES 180 DAYS FROM THE DATE BELOW.

T.A. TIDEMANSON
Director of Public Works

By VB [signature] Date 5/6/93

CLOSURE -- UNDERGROUND STORAGE TANKS

CONDITIONS A -- GENERAL

1. Closures shall be carried out such that all applicable regulations from the following agencies are complied with: Los Angeles County, Department of County Engineer - Facilities; Los Angeles County Fire Department, Fire Prevention Division or the appropriate City Fire Department; South Coast Air Quality Management District; and Los Angeles County Department of Health Services.

2. The County Engineer and Fire Departments shall be notified in advance of any closure in accordance with the following:

   a. Removal of tank shall require a three (3) business day advance notification.

   b. Permanent closure of a tank in place or a temporary closure shall require a 30 day written notification.

3. Consult current fee schedule for costs.

4. All abandoned wells shall be destroyed in such a way that they will not produce water or act as a channel for interchange of water, when such interchange may result in deterioration of the quality of water in any or all water bearing formations penetrated, or present a hazard to the safety and well-being of people and animals.

5. A well destruction permit issued by the Los Angeles Department of Health Services shall be required for all wells requiring a permit for their initial construction.

6. Well destruction shall be accomplished according to methods described in the latest "Water Well Standards: State of California" by the Department of Water Resources, contained in Bulletin 74-81, December 1981, or any other methods that will provide equivalent or better protection.

7. Plans for the decontamination of a facility shall be submitted to the County Engineer for approval no later than 30 days before the commencement of such operations. Other agencies having jurisdiction shall also be notified. These agencies include the California Regional Water Quality Board, the Los Angeles County Department of Health Services, and the South Coast Air Quality Management District.

8. Decontamination shall require the following, as a minimum:

   a. Cleaning operation shall be done under the supervision of persons who understand the hazardous potential of the original liquid stored and its components.

   b. The personnel shall be sufficiently skilled to safely carry out such operation.

   c. Contaminated materials removed from such facility shall be disposed of at legal point of discharge.

   d. The operation shall be carried out in a manner that will not endanger the health of the public and the environment.

CONDITIONS B -- TEMPORARY

1. All temporary closures shall be carried out as indicated in Los Angeles County Fire Department, Fire Prevention Division, Supplement #A -- Inspection Guide #6, "Abandonment or Removal of Underground Tanks," Part A and any other applicable Parts.

2. A temporary closure shall not exceed 90 days.

CONDITIONS C -- PERMANENT TANK(S) REMOVAL

1. All tank removals shall be carried out as indicated in Los Angeles County Fire Department, Fire Prevention Division, Supplement #A -- Inspection Guide #6, Part D and any other applicable Parts.

2. Owners/operators shall notify the Building Department having jurisdiction at the place of removal if a grading permit is necessary.

3. Removed tanks shall not be transported away from the site until an inspection to establish site integrity is carried by the County Engineer.

4. If an appointment has been arranged with a County Engineer Inspector to inspect the removal of a tank, the inspector will only wait at the site a reasonable amount of time (approximately one hour) after arriving for the removal to commence. Another closure fee may be charged if the inspector has to return to the site.

5. After inspection, tanks shall be transported to a legal disposal point.

6. If the tank has stored materials other than motor fuel, fuel oil or waste oil, site integrity shall be demonstrated using the soil sampling and analysis procedures described in CONDITIONS D below.

7. The site shall be backfilled and recompacted to a relative compaction of 90%.

CONDITIONS D -- PERMANENT

1. All permanent closures of tanks in place shall comply with Los Angeles County Fire Department, Fire Prevention Division, Supplement #A -- Inspection Guide #6, Parts B or C, and any other applicable Parts.

2. Owners/operators shall demonstrate part site integrity as follows:

   a. Test borings shall be slant drilled to intercept a point beneath the center of the tank, if possible. If slant drilling is not feasible, the test borings may be drilled vertically and the reason stated in the report in 2.h. below.

   b. For single tanks, a minimum of two test borings will be required, each located on opposite sides of the tank along the major axis of the tank.

   c. For multiple tanks, as a minimum, borings shall be placed at 20 foot intervals around the tank cluster. The actual number and location of borings shall be evaluated on a case-by-case basis. Tanks separated by 20 feet or more shall be considered single tanks for the purposes of test location and placement.

   d. Soil samples shall be taken at depths of 5, 10, 20, 30 and 40 feet below grade level.

   e. A Shelby Tube or a Modified California Sampler shall be utilized for taking all soil samples.

   f. Soil samples shall be capped immediately with teflon or aluminum.

   g. Soil samples shall not be extruded in the field but are to be immediately placed in a refrigerated ice chest and transported to a state certified laboratory for analysis, using suitable methods.

   h. A report containing the results of the above analysis shall be submitted to the County Engineer.

3. If the soil analysis in 2. above indicates the presence of contaminants, the County Engineer shall require a site investigation as described in Chapter V of the County's "Underground Storage of Hazardous Materials -- Guidelines."

4. A report shall be submitted to the County Engineer containing

NOTICE TO CLOSURE PERMIT APPLICANTS

The South Coast Air Quality Management District (SCAQMD) has adopted Rule 1166 regulating emissions of Volatile Organic Compounds (VOC) from decontamination of soil effective **August 6, 1988.**

In addition to the requirements of your Closure Permit, persons excavating any underground storage tank that previously contained VOC's must:

- Notify the SCAQMD Executive Officer by telephone at (714) 396-2000 24 hours prior to tank excavation. 1166(c)(1)(A)
- Monitor the excavated material during the excavation for VOC contamination. 1166(c)(1)(B)
- When VOC contamination is detected:
  * Cease excavation
  * Cover the contaminated soil until implementation of approved mitigation measures. 1166(c)(1)(C)
  * Notify the SCAQMD Executive Officer at (714) 396-2000 within 24 hours of detection of VOC contaminated soil. 1166(c)(2)(A)
- A person shall not engage in or allow any on-site or off-site spreading of VOC contaminated soil which results in uncontrolled evaporation of VOC to the atmosphere. 1166(c)(3)

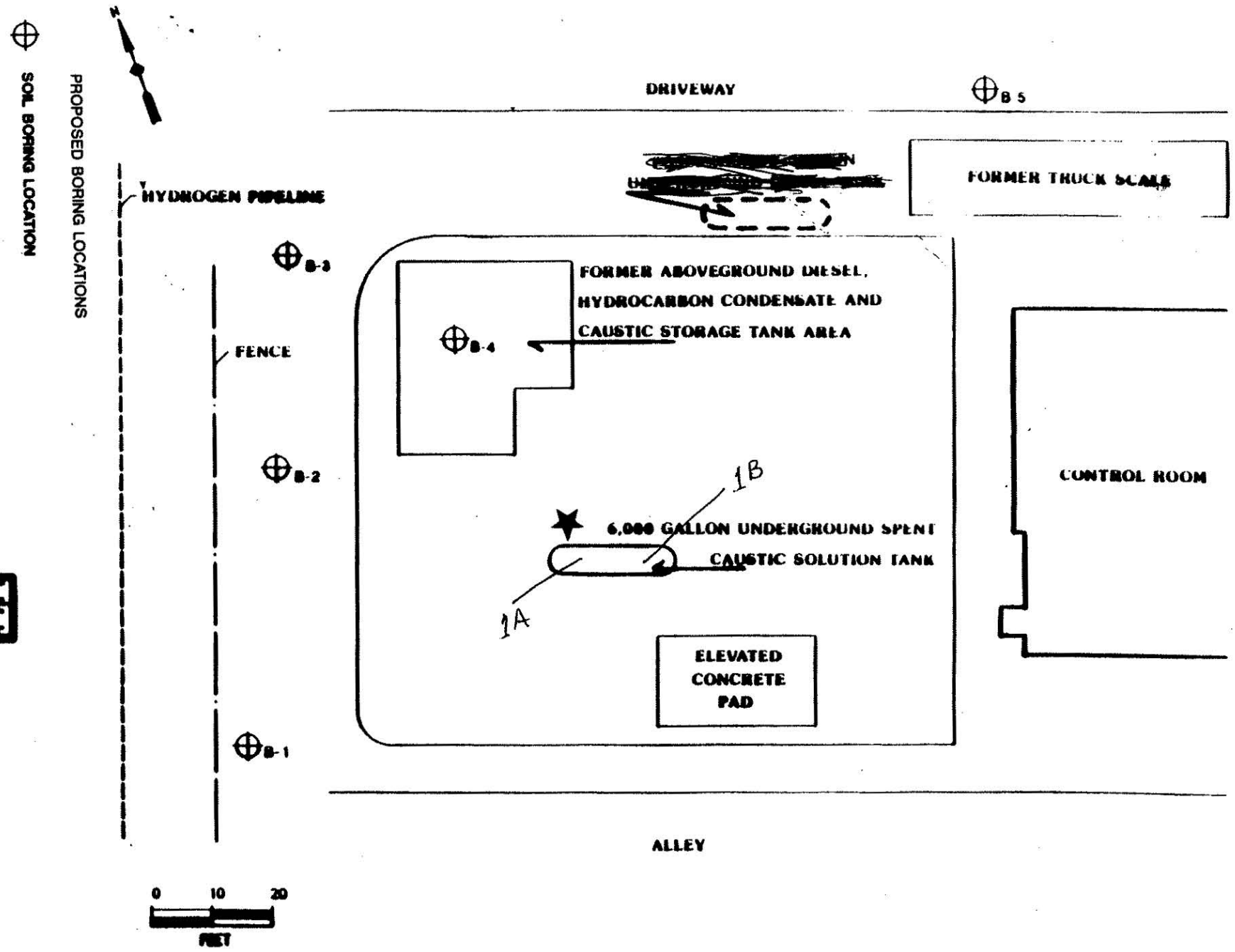
Exemptions

- Treatment of less than one (1) cubic yard of contaminated soil. 1166(d)(1)(A)
- Decontamination of soil containing organic compounds that have initial boiling point of 302°F or greater, Reid Vapor Pressure less than 80mm Hg or Absolute Vapor Pressure less than 36mm Hg at 20°C. 1166(d)(1)(B),(F)
- Removal of soil for sampling purposes pursuant to EPA methods. 1166(d)(1)(C)
- Accidental spillage of five (5) gallons or less of VOC. 1166(d)(1)(D)
- Documentation of soil which is contaminated through natural seepage of VOC from oil and gas wells or other natural sources. 1166(d)(1)(E)

SPECIFIC QUESTIONS ON RULE 1166 SHOULD BE REFERRED TO THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (714) 396-2000

UST1/NOTCLOSE

DRAWN BY		CHECKED BY			DRAWING NUMBER
		APPROVED BY			



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CLOSURE PERMIT SUPPLEMENT
HAZARDOUS MATERIALS UNDERGROUND STORAGE
LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
WASTE MANAGEMENT DIVISION
900 S. FREMONT AVENUE
ALHAMBRA, CA 91803

Closure Permit
No.: 61306
File No.
I- 5385

PART 1 OF 2

To satisfy the permanent closure requirements for underground storage tanks previously storing hazardous materials, site integrity must be demonstrated by the analysis of soil samples and, if applicable, groundwater samples as outlined below. These requirements are in addition to the conditions listed on the Application for Closure or contained in an approved Closure Plan.

1. Samples shall be obtained at the sampling points (SP) indicated on the attached plot plan.

2. For each SP, samples shall be obtained at the following depths:

SP	Depth(s)	Compounds	Analysis Method
1A, 1B	2-4 feet below tank invert	TPH, BTEX pH, Na	418.1, 8020 Appropriate EPA method
20 feet interval along product pipe	"	"	"

dn4/FPERMIT Rev. 3/90

Cont'd on Page 2

3. All soil samples obtained shall be discrete, undisturbed and unexposed prior to analysis. The method used to obtain the samples and the date of sampling shall be included in the final report.

4. If groundwater is encountered during sampling, a groundwater monitoring well shall be established at the most downgradient sampling point. The well shall be developed by removing a minimum of four well volumes and a groundwater sample shall be obtained and analyzed.

5. The analytical results for all soil samples shall be expressed milligrams per kilogram (mg/kg), or micrograms per kilogram (ug/kg) as appropriate. Practical quantitation limits of 5-10 ug/kg (ppb) for volatile organics and 1 mg/kg (ppm) for the petroleum hydrocarbons must be achieved by the laboratory. Analytical results for groundwater samples shall be expressed in ug/l (ppb) and practical quantitation limits of .5-5 ug/l (ppb) for volatile organics, and 1 mg/l (ppm) for petroleum hydrocarbons must be achieved by the laboratory.

6. Analytical results shall be reported on laboratory letterhead and shall include the following information: a) The date the analysis was conducted; b) The method of extraction (if applicable); c) Detection limits for each analytical procedure and determiantion; d) The method of analysis; e) Signature of chemist certifying results.

7. All soil/groundwater samples obtained shall be handled and transported to laboratory in strict accordance with applicable EPA regulations utilizing chain-of-custody procedures. Chain-of-custody documentation shall be included in the final report.

8. If the soil/groundwater analysis indicates undefined contamination at the facility, additional sampling shall be required to define the vertical and lateral extent present.

9. A final report that contains all of the above required information shall be submitted to the office above within one (1) month from the sampling date or 180 days from the date of this permit, whichever is earlier.

ATTENTION CONTRACTOR

NOTIFICATION REQUIREMENTS

Pursuant to Los Angeles County Code, Section 11.78.045, and the Conditions and Limitations of the attached Hazardous Materials Underground Storage Closure Permit, you are required to complete **ALL** of the agency notifications indicated below within the time period specified prior to commencement of work on this closure.

[X] 72 HOURS - DEPARTMENT OF PUBLIC WORKS INDUSTRIAL WASTE ENGINEERING INSPECTOR:

>>Unless otherwise noted DPW inspectors are available at the following offices between 8:00 a.m. and 9:30 a.m. **ONLY.**<<

[ ] BELLFLOWER DISTRICT - (310) 804-2584
16600 Civic Center Dr., Suite 200, Bellflower, CA 90607

[X] CENTINELA VALLEY REGION - (310) 534-4862
24320 S. Narbonne Ave., Lomita, CA 90717

[ ] LENNOX DISTRICT - (310) 419-5650
4353 Lennox Blvd., Lennox, CA 90304

[ ] SAN GABRIEL VALLEY DISTRICT - (818) 574-0962
125 S. Baldwin Ave., Arcadia, CA 91007

[ ] SAN DIMAS REGION - M, W, & F - (818) 574-0961
- T & TH - (818) 961-9611
125 S. Baldwin Ave., Arcadia, CA 91007

[ ] EAST LOS ANGELES DISTRICT - (213) 260-3466
5119 E. Beverly Blvd., Los Angeles, CA 90022

[ ] NEWHALL REGION - (805) 253-7207
23757 W. Valencia Blvd., Santa Clarita, CA 91355

[X] 48 HOURS (OR AS REQUIRED) - LOCAL FIRE DEPARTMENT FIRE PREVENTION INSPECTOR:

[ ] City of _____

[X] Los Angeles County Fire Department (310) 830-9596

[X] 24 HOURS - SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

(310) 403-6000

FAILURE TO PROVIDE NOTICE AS REQUIRED ABOVE MAY RESULT IN PERMIT REVOCATION, ADDITIONAL SITE ASSESSMENT REQUIREMENTS, AND/OR ADMINISTRATIVE PENALTIES AS PROVIDED BY LAW.

COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
WASTE MANAGEMENT DIVISION

CLOSURE REPORT REQUIREMENTS

A closure report shall be submitted to the County of Los Angeles Department of Public Works, Waste Management Division, P.O. Box 1460, Alhambra, California 91802-1460, containing:

1. File number of facility and closure permit number.

2. Plot plan to scale showing locations of tanks, sampling points, buildings, adjacent streets, and north arrow.

3. Description of methods for obtaining, handling, and transporting samples.

4. Time and date samples were obtained.

5. Soil sampling certification (including but not limited to soils classification, boring logs, sample procedures, sample locations, initiating chain-of-custody, and groundwater location) for UST closure shall be certified by a California registered geologist, a California certified engineering geologist, or a California registered civil engineer with sufficient experience in soils. The certification must clearly state that all work was performed under the supervision of the person signing.

6. Chain-of-custody documentation initiated by person obtaining sample through person at CAL/EPA Department of Toxic Substance Control certified laboratory.

7. Disposal destination of tanks and evidence of legal disposal.

8. Analysis results by a State certified laboratory submitted on laboratory letterhead showing analysis date, methods of extraction, and methods of analysis.

9. Documentation as to deptn of groundwater at facility.

10. Manifests to document hazardous waste disposal of any removed soil and tank rinseate.

11. Any observations of site contamination.

12. Remedial action plan to mitigate contamination.

13. Report to be signed by a California registered geologist, a California certified engineering geologist, or a California registered civil engineer with sufficient experience in soils.

Print Name Jeff Peterson

Signature [signature] Date 5-6-93

UST1/CRR

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM A

COMPLETE THIS FORM FOR EACH FACILITY/SITE

MARK ONLY ONE ITEM: ☐ 1 NEW PERMIT ☐ 2 INTERIM PERMIT ☐ 3 RENEWAL PERMIT ☐ 4 AMENDED PERMIT ☐ 5 CHANGE OF INFORMATION ☑ 7 PERMANENTLY CLOSED SITE ☐ 6 TEMPORARY SITE CLOSURE

I. FACILITY/SITE INFORMATION & ADDRESS - (MUST BE COMPLETED)

DBA OR FACILITY NAME	NAME OF OPERATOR	
Air Products Manufacturing Corp	Air Products	
ADDRESS: 23320 S. Alameda st	NEAREST CROSS STREET: Sepulveda	PARCEL # (OPTIONAL)
CITY NAME: Carson	STATE: CA / ZIP CODE	SITE PHONE # WITH AREA CODE: 310) 518-0430

✓ BOX TO INDICATE: ☑ CORPORATION ☐ INDIVIDUAL ☐ PARTNERSHIP ☐ LOCAL-AGENCY DISTRICTS ☐ COUNTY-AGENCY ☐ STATE-AGENCY ☐ FEDERAL-AGENCY

TYPE OF BUSINESS	✓ IF INDIAN RESERVATION OR TRUST LANDS	# OF TANKS AT SITE	E. P. A. I. D. # (optional)
☐ 1 GAS STATION ☐ 2 DISTRIBUTOR ☐ 3 FARM ☐ 4 PROCESSOR ☑ 5 OTHER	☐		CAT080010656

EMERGENCY CONTACT PERSON (PRIMARY)		EMERGENCY CONTACT PERSON (SECONDARY) - optional	
DAYS: NAME (LAST, FIRST): Rolph Charles	PHONE # WITH AREA CODE: 310)518-0430	DAYS: NAME (LAST, FIRST): Pendergast, John	PHONE # WITH AREA CODE: 310)518-0430
NIGHTS: NAME (LAST, FIRST): Rolph Charl (310) 761-0830 Beeper	PHONE # WITH AREA CODE	NIGHTS: NAME (LAST, FIRST): Pendergast, John	PHONE # WITH AREA CODE: 310)761-0831 Beeper

II. PROPERTY OWNER INFORMATION - (MUST BE COMPLETED)

NAME	CARE OF ADDRESS INFORMATION	
Air Products manufacturing	Charles C. Rolph	
MAILING OR STREET ADDRESS: 23320 S. Alameda St.	✓ box to indicate: ☐ INDIVIDUAL ☐ LOCAL-AGENCY ☐ STATE-AGENCY ☐ CORPORATION ☐ PARTNERSHIP ☐ COUNTY-AGENCY ☐ FEDERAL-AGENCY	
CITY NAME: ~~Carson~~ ~~Long~~ Carson	STATE: CA. / ZIP CODE	PHONE # WITH AREA CODE: 310)830-1570

III. TANK OWNER INFORMATION - (MUST BE COMPLETED)

NAME OF OWNER	CARE OF ADDRESS INFORMATION	
Air Products manufacturing	Charles C. Rolph	
MAILING OR STREET ADDRESS: 23320 S. Alameda st	✓ box to indicate: ☐ INDIVIDUAL ☐ LOCAL-AGENCY ☐ STATE-AGENCY ☐ CORPORATION ☐ PARTNERSHIP ☐ COUNTY-AGENCY ☐ FEDERAL-AGENCY	
CITY NAME: Carsen	STATE: CA. / ZIP CODE	PHONE # WITH AREA CODE: 310)830-1570

IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER - Call (916) 323-9555 if questions arise.

TY (TK) HQ 4 4 - [ ][ ][ ][ ][ ][ ]

V. PETROLEUM UST FINANCIAL RESPONSIBILITY - (MUST BE COMPLETED) – IDENTIFY THE METHOD(S) USED

✓ box to indicate: ☐ 1 SELF-INSURED ☐ 2 GUARANTEE ☐ 3 INSURANCE ☐ 4 SURETY BOND ☐ ~~5~~ LETTER OF CREDIT ☐ 6 EXEMPTION ☐ 99 OTHER

VI. LEGAL NOTIFICATION AND BILLING ADDRESS

Legal notification and billing will be sent to the tank owner unless box I or II is checked.

CHECK ONE BOX INDICATING WHICH ABOVE ADDRESS SHOULD BE USED FOR LEGAL NOTIFICATIONS AND BILLING: I. ☐ II. ☐ III. ☐

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE)	APPLICANT'S TITLE	DATE MONTH/DAY/YEAR
Steven L. Morton	Proj. Manager	5-6-93

LOCAL AGENCY USE ONLY

COUNTY #	JURISDICTION #	FACILITY #
19	000	5385

LOCATION CODE - *OPTIONAL*	CENSUS TRACT # - *OPTIONAL*	SUPVISOR - DISTRICT CODE - *OPTIONAL*
22		

THIS FORM MUST BE ACCOMPANIED BY AT LEAST (1) OR MORE PERMIT APPLICATION - FORM B, UNLESS THIS IS A CHANGE OF SITE INFORMATION ONLY.

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B

COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY ONE ITEM: ☐ 1 NEW PERMIT ☐ 2 INTERIM PERMIT ☐ 3 RENEWAL PERMIT ☐ 4 AMENDED PERMIT ☐ 5 CHANGE OF INFORMATION ☐ 6 TEMPORARY TANK CLOSURE ☐ 7 PERMANENTLY CLOSED ON SITE ☑ 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED:

I. TANK DESCRIPTION

COMPLETE ALL ITEMS -- SPECIFY IF UNKNOWN

A. OWNER'S TANK I. D. # unknown	B. MANUFACTURED BY: unknown
C. DATE INSTALLED (MO/DAY/YEAR) unknown	D. TANK CAPACITY IN GALLONS: 6000

II. TANK CONTENTS

IF A-1 IS MARKED, COMPLETE ITEM C.

A. ☐ 1 MOTOR VEHICLE FUEL ☐ 2 PETROLEUM ☐ 3 CHEMICAL PRODUCT ☐ 4 OIL ☐ 80 EMPTY ☐ 95 UNKNOWN

B. ☐ 1 PRODUCT ☑ 2 WASTE

C. ☐ 1a REGULAR UNLEADED ☐ 1b PREMIUM UNLEADED ☐ 2 LEADED ☐ 3 DIESEL ☐ 4 GASAHOL ☐ 5 JET FUEL ☐ 6 AVIATION GAS ☐ 7 METHANOL ☐ 99 OTHER (DESCRIBE IN ITEM D. BELOW)

D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED caustic water C. A. S. # :

III. TANK CONSTRUCTION

MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM: ☐ 1 DOUBLE WALL ☑ 2 SINGLE WALL ☐ 3 SINGLE WALL WITH EXTERIOR LINER ☐ 4 SECONDARY CONTAINMENT (VAULTED TANK) ☐ 95 UNKNOWN ☐ 99 OTHER

B. TANK MATERIAL (Primary Tank): ☑ 1 BARE STEEL ☐ 2 STAINLESS STEEL ☐ 3 FIBERGLASS ☐ 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC ☐ 5 CONCRETE ☐ 6 POLYVINYL CHLORIDE ☐ 7 ALUMINUM ☐ 8 100% METHANOL COMPATIBLE W/FRP ☐ 9 BRONZE ☐ 10 GALVANIZED STEEL ☐ 95 UNKNOWN ☐ 99 OTHER

C. INTERIOR LINING: ☐ 1 RUBBER LINED ☐ 2 ALKYD LINING ☐ 3 EPOXY LINING ☐ 4 PHENOLIC LINING ☐ 5 GLASS LINING ☐ 6 UNLINED ☑ 95 UNKNOWN ☐ 99 OTHER
IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL ? YES ___ NO ___

D. CORROSION PROTECTION: ☐ 1 POLYETHYLENE WRAP ☐ 2 COATING ☐ 3 VINYL WRAP ☐ 4 FIBERGLASS REINFORCED PLASTIC ☐ 5 CATHODIC PROTECTION ☐ 91 NONE ☑ 95 UNKNOWN ☐ 99 OTHER

E. SPILL AND OVERFILL: SPILL CONTAINMENT INSTALLED (YEAR) N/A OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) N/A

IV. PIPING INFORMATION

CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE	A U 1 SUCTION	A U 2 PRESSURE	A U 3 GRAVITY	A U 99 OTHER unknown
B. CONSTRUCTION	A U 1 SINGLE WALL	A U 2 DOUBLE WALL	A U 3 LINED TRENCH	A U 95 UNKNOWN A U 99 OTHER
C. MATERIAL AND CORROSION PROTECTION	A U 1 BARE STEEL	A U 2 STAINLESS STEEL	A U 3 POLYVINYL CHLORIDE (PVC)	A U 4 FIBERGLASS PIPE
	A U 5 ALUMINUM	A U 6 CONCRETE	A U 7 STEEL W/ COATING	A U 8 100% METHANOL COMPATIBLE W/FRP
	A U 9 GALVANIZED STEEL	A U 10 CATHODIC PROTECTION	A U 95 UNKNOWN	A U 99 OTHER
D. LEAK DETECTION	☐ 1 AUTOMATIC LINE LEAK DETECTOR	☐ 2 LINE TIGHTNESS TESTING	☐ 3 INTERSTITIAL MONITORING	☐ 99 OTHER none

V. TANK LEAK DETECTION

☐ 1 VISUAL CHECK ☐ 2 INVENTORY RECONCILIATION ☐ 3 VADOZE MONITORING ☐ 4 AUTOMATIC TANK GAUGING ☐ 5 GROUND WATER MONITORING ☐ 6 TANK TESTING ☐ 7 INTERSTITIAL MONITORING ☑ 91 NONE ☐ 95 UNKNOWN ☐ 99 OTHER

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR)	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING Empty GALLONS	3. WAS TANK FILLED WITH INERT MATERIAL ? YES ☐ NO ☑

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE) Steven L. Monson DATE 5-6-93

LOCAL AGENCY USE ONLY

THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.#	COUNTY #	JURISDICTION #	FACILITY #	TANK #
	19	000	5385	1

PERMIT NUMBER	PERMIT APPROVED BY/DATE	PERMIT EXPIRATION DATE
61306	VB 5-6-93	

FORM B (7-91) THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.

FOR0034B-R5

HQ

L.A. COUNTY DPW
DATE COMPILED: 02/22/93
RUN DATE: 05/13/93 10:24:58

HAZARDOUS MATERIALS SYSTEM
TANKS INSPECTION JOB ORDER
CLOSURE BY REMOVAL

REPORT: HMR050.002
INSP#: I000061774
ASSC#: A000061306
PAGE: 1

FILE #: 005186-005385 NAME: AIR PRODUCTS MFG CORP
ADD: 23320 S ALAMEDA ST
CARSON, CA 90810 AREA: 22 SMD: 95
XSTREET: SEPULVEDA THOMAS GUIDE: 0074-D1
CONTACT: MANGAS, JOHN TEL: 213 643 8691

PROC: SAMPLE REQUIRED? N SAMPLE #: _____

INSP INFO: CLOSURE OF 1-6K CASTIC WATER TANK ON 05/18/93 AT 12PM
IT CORPORATION (310) 830-1781 - JEFF PETERSON

PERM TYPE: T 0 TANK OPERATING PERMIT # OF TANKS: 1 STATUS: PERMI

	FREQUENCY	LAST PERFORMED	NEXT DUE
INSPECTION	36		05/05/94
SAMPLE			
SELF-MONITOR			

ASSGN TO: CENTINELA VALLEY FIELD OFFICE SECT: FIELD INSPECTION UNIT

TANK #	OWNER TANK ID #	CAPACITY (GAL)	CONTENTS
001	28.70	6,000	HAZARDOUS
CON:	SINGLE WALLED	LDS:	INVENTORY RECONCILIATION

==========

RESULTS: Mr Jim Stapleton, IT Corporation, project manager and geologist for this site project, said over telephone conversation this morning that this site's closure reports were submitted to central office, Alhambra about one and half (1½) months ago.

REMARKS: Air Products employees have no information on tanks. For further information on tank(s) contact David Drown (215/481-6143)

INSPECTOR: I. Azie INSPECTION DATE: 11-2-93

DISP: _____

JB

David P. Drown, P.E.
Project Management

AIR PRODUCTS

Process Systems Group
Air Products and Chemicals, Inc.
7201 Hamilton Boulevard
Allentown, PA 18195-1501
Telephone (215) 481-6143
Telecopy (215) [redacted] 481-3099
Telex 847416

Paul Buelow, Plant Manager
310/518-0430

Air Product MFG Corp. File 5385-22

The initial Closure report and following site investigation are missing from file. I called James stapleton of IT Corp at 310-830-1781 on 8-17-93 and asked him to send us copy of inital closure report & site investigation.

S.A 8-17-93

005186-005385

Air Products and Chemicals, Inc.
7201 Hamilton Boulevard
Allentown, PA 18195-1501

Telephone (610) 481-4911
Telex: 847416

AIR PRODUCTS

Clup 77969 ND OTHR

27 April 1995

RECEIVED
MAY - 2 1995
DEPARTMENT OF PUBLIC WORKS
WASTE MANAGEMENT DIVISION

C/133756

Mr. Keith Elliot
Regional Water Quality Control Board
101 Centre Plaza Drive
Monterey Park, CA 91754-2156

Re: Request For Regional Water Quality Control Board (RWQCB) Written Determination Of Underground Storage Tank Closure Status.
Air Products And Chemicals, Inc., 23320 S. Alameda St., Carson, CA 90810

Dear Sir:

As mentioned in my 18 November 1994 letter, Air Products and Chemicals, Inc. (Air Products) would like to return a portion of the above referenced leased property to ARCO Products Company (ARCO). In order to do so, Air Products must address ARCO's environmental concerns related to Air Products past use of the property. One of ARCO's concerns is that Air Products lacks documentation of final approval from the Los Angeles Department Of Public Works (LADPW) for proper underground storage tank removal/closure for three tanks. Since LADPW is only willing to grant closure for the entire site and is unwilling to do so at this time due to an ongoing remediation project, Air Products is unable to provide ARCO with the requested LADPW final closure approval. In light of this, ARCO would like a written determination from the Regional Water Control Board regarding the status of the three underground tanks that were removed.

ARCO's Dean Kirk informed me that you would like a copy of the report I sent to John Lewis of your office before making your determination. This report describes the soil contamination discovered in our hydrogen purification area. This contamination is not related to the three tanks that were removed from the portion of property that we now wish to return. Given the character of the contamination and the surface spill extent, it also does not appear to be related to two additional underground tanks that were removed from our purification area. All indications lead us to a contamination source of a past, aboveground, hydrocarbon condensate tank. We are about to commission a soil vapor extraction system to remove these hydrocarbons from the purification area.

Please review the enclosed report and issue me a letter regarding the RWQCB determination of the closure status of tanks # LD-IGD-1, LD-IGD-2, and 28.5. Keep in mind that this report and the hydrogen purification area is unrelated to the subject area to be returned and its three removed underground tanks. If you would like to discuss this with me, please call me at (610) 481-8867. My contact at ARCO has been Dean Kirk (310) 816-8421 and my contact at the LADPW has been Mohammed Farzan (818) 458-3980.

I would greatly appreciate your speedy response to this request to:

Robert Swigart
Air Products And Chemicals, Inc.
7201 Hamilton Boulevard
Allentown, PA 18195-1501

Sincerely,

Robert J. Swigart
Principal Environmental Coordinator
GEG Environmental, Health & Safety

RJS/sab/lbrwqcb2
enclosure

c: Dean Kirk*
ARCO Products Company
Los Angeles Refinery
Box 6210
Carson, CA 90749-6210

Mohammed Farzan*
Los Angeles Dept. of Public Works
P.O. Box 1460
Alhambra, CA 91802-1460

John Lewis*
Regional Water Quality Control Board
101 Centre Plaza Drive
Monterey Park, CA 91754-2156

*Letter only

Responsible Care®
A Public Commitment

005186 - 005385 (wash)

STATE OF CALIFORNIA—ENVIRONMENTAL PROTECTION AGENCY PETE WILSON, Governor

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION
101 CENTRE PLAZA DRIVE
MONTEREY PARK, CA 91754-2156
(213) 266-7500
FAX: (213) 266-7600

RECEIVED
SEP 25 1995
DEPARTMENT OF PUBLIC WORKS
WASTE MANAGEMENT DIVISION

C 14623

September 21, 1995

Mr. Robert J. Swigart
Air Products and Chemicals, Inc.
7201 Hamilton Boulevard
Allentown, PA 18195-1501

AIR PRODUCTS MANUFACTURING CORP. - 23320 SOUTH ALAMEDA STREET, CARSON (FILE NO. 95-089)

We reference your letter of April 27, 1995, and supporting documents requesting closure of underground tank locations LD-IGD-1, LD-IGD-2, and 28.5 at the subject site. The depth to first ground water at the subject site is about 30 feet below ground surface (bgs) and the depth of the underlying Gage aquifer is about 75 feet bgs.

Following are our determinations from reviewing your submittal:

1. Petroleum hydrocarbon soil contamination was identified:

   a. In the underground tank locations LD-IGD-1 and LD-IGD-2. The soil contamination was below the screening levels established in the Interim Site Assessment and Cleanup Guidebook, February 1995;

   b. In the southeastern half of the site, near the former underground tank 28.5. After removal and remediation of the underground tank No. 28.91, about 410 cubic yards of soil with up to 9,590 mg/kg TPH contamination were disposed where the former underground tank 28.5 was located;

   c. In the northern half of the site at the southeastern edge of the former vessel repair shop (up to 11,900 mg/kg TRPH, 167 mg/kg TPH gasoline, 9,880 mg/kg TRPH diesel, and 5 µg/kg benzene);

   d. In the former specialty gas plant area (up to 71,500 mg/kg TRPH, 19 mg/kg benzene, and 450 mg/kg toluene); and

   e. Along the western property line (up to 35,400 mg/kg TRPH, 7,170 mg/kg TPH gasoline, 50,400 mg/kg TPH diesel, 17.4 mg/kg benzene, 10.9 mg/kg toluene, 9.68 mg/kg ethylbenzene, 24.1 mg/kg xylene).

2. Also, a report by IT Corporation, dated August 12, 1993, indicated that the CAM-WET analytical results for arsenic in

L 71969

sample C-6 was 22 mg/ℓ. This exceeds the STLC for arsenic of 5 mg/ℓ. The report indicates that the portion of the berm near sample C-6 was removed but did not report any confirmation samples.

Based upon the information submitted we have determined that no further action is required for the underground tank locations LD-IGD-1 and LDIGD-2. However, before sign-off of underground tank location 28.5, we require that confirmation samples be collected in the area where the 410 cubic yards of soil containing up to 9,590 mg/kg TRPH was disposed.

In addition, the following is required:

1. Remediate the petroleum-hydrocarbon soil contamination in the northern half of the site - specifically at the southeastern edge of the repair shop, in the Specialty Gas Plant area, and along the western property line.

2. Collect confirmation samples from the cinder block berm noted in determination 2, above, and analyze for arsenic.

Submit a work plan to this Regional Board by October 31, 1995, addressing the two requirements, above. Please call Keith Elliott at (213) 266-7614 if you have any questions.

J.E. ROSS, Unit Chief
Site Cleanup Unit

cc: Mr. Mahammad Farzan, Los Angeles County Department of Public Works - Waste Management Division
Mr. Dean Kirk, Arco Los Angeles Refinery

005186-005385

STATE OF CALIFORNIA - CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY

PETE WILSON, *Governor*

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION
101 CENTRE PLAZA DRIVE
MONTEREY PARK, CA 91754-2156
(213) 266-7500
FAX: (213) 266-7600

November 9, 1995

C 148782

Mr. Robert J. Swigart
Air Products and Chemicals, Inc.
7201 Hamilton Boulevard
Allentown, PA 18195-1501

AIR PRODUCTS MANUFACTURING CORP. - 23320 SOUTH ALAMEDA STREET, CARSON (FILE NO. 100.315)

We reference your letter of October 26, 1995, responding to our letter dated September 21, 1995, and requesting closure of the underground tank No. 28.5. Based upon the information provided, the following are our determinations:

1. Your letter indicates that soil sample S5 (ND for STLC arsenic), located underneath concrete sample C6, was collected and analyzed to confirm that the contamination identified in sample C6 (22 mg/kg for STLC arsenic) was removed. The confirmation sample requested in our September 21, 1995, letter is no longer required.

2. Total petroleum hydrocarbon (TPH) up to 210 mg/kg was identified in soil samples collected from underground tank No. 28.5. This contamination is below our screening levels for site remediation, therefore, no further action is required regarding this underground tank.

3. After removal and remediation of the underground tank No. 28.91, about 410 cubic yards of soil with up to 7,400 mg/kg TPH, possibly weathered crude oil, was disposed towards the eastern border of the property at an unknown location. The disposal location of this contaminated soil must be located before closure of underground tank No, 28.1, and final site closure may be granted.

4. We will place in abeyance the requirement for additional investigation and remediation of the facility pending completion of the current soil vapor extraction system remediation activities. However, prior to site closure, ARCO and Air Products must provide sufficient evidence showing that site activities have not contributed to the petroleum-hydrocarbon contaminants identified in site soils out-side the influence of the vapor extraction system.

In addition, your letter requested citing information regarding benzene and toluene soil contamination in the former specialty gas plant area. The report of the closure of the spent caustic tank, dated September 1, 1993, identified up to 91 mg/kg benzene, 450 mg/kg toluene, 320 mg/kg xylene, 57 mg/kg ethylbenzene, and 3,540 mg/kg TPH in site soils. However, we acknowledge that a soil vapor extraction system is present at the site to remediate these contaminants.

L77969

Submit a work plan to collect confirmation samples and perform the above required investigation 30 days prior to completion of the vapor extraction activities at the site. Please call Keith Elliott at (213) 266-7614 if you have any questions.

J.E. ROSS, Unit Chief
Site Cleanup Unit

cc: Mr. Mahammad Farzan, Los Angeles County Department of Public Works - Waste Management Division
Mr. Dean Kirk, Arco Los Angeles Refinery

Appendix D

EDR Lien and AUL Report

23320 Alameda Street
23320 Alameda Street
Long Beach, CA 90810

Inquiry Number: 6645854.7
September 02, 2021

EDR Environmental Lien and AUL Search

EDR® Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

EDR Environmental Lien and AUL Search

The EDR Environmental Lien and AUL Search Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved, and description); and
- provide a copy of the deed or cite documents reviewed.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EDR Environmental Lien and AUL Search

TARGET PROPERTY INFORMATION

ADDRESS

23320 Alameda Street
23320 Alameda Street
Long Beach, CA 90810

RESEARCH SOURCE

Source 1:

LARecorder
Los Angeles, CA

PROPERTY INFORMATION

Deed 1:

Type of Deed:	deed
Title is vested in:	Tesoro Refining & Marketing Co LLC
Title received from:	BP West Coast Prod LLC Arco
Deed Dated	6/1/2013
Deed Recorded:	6/3/2013
Book:	NA
Page:	na
Volume:	na
Instrument:	na
Docket:	NA
Land Record Comments:	
Miscellaneous Comments:	
Legal Description:	See Exhibit
Legal Current Owner:	Tesoro Refining & Marketing Co LLC
Parcel # / Property Identifier:	7315-020-022
Comments:	See Exhibit

ENVIRONMENTAL LIEN

Environmental Lien:	Found	☐	Not Found	☒

OTHER ACTIVITY AND USE LIMITATIONS (AULS)

AULs:	Found	☒	Not Found	☐

If found:

1st Party:	na
2nd Party:	na
Dated:	6/1/2013
Recorded:	6/3/2013
Book:	NA
Page:	na
Docket:	NA
Volume:	na
Instrument:	na
Comments:	
Miscellaneous Comments:	

Deed Exhibit 1

This page is part of your document - DO NOT DISCARD

20130825417

Recorded/Filed in Official Records
Recorder's Office, Los Angeles County,
California

06/03/13 AT 08:00AM

Pages:
0016

FEES:	61.00
TAXES:	NFPR
OTHER:	0.00
PAID:	NFPR

LEADSHEET

201306030120037

00007809034

004908832

SEQ:
27

DAR - Title Company (Hard Copy)

THIS FORM IS NOT TO BE DUPLICATED

E464772

t94

LAWYERS TITLE COMPANY

RECORDING REQUESTED BY:
Lawyers Title Company
888 S. Figueroa Street, Suite 2100
Los Angeles, California 90017

06/03/2013
20130825417

WHEN RECORDED MAIL TO:
Tesoro Companies, Inc.
19100 Ridgewood Parkway
San Antonio, Texas 78259
Attention: Brooks Meltzer

MAIL TAX STATEMENTS TO:
Tesoro Companies, Inc.
P.O. Box 592809
San Antonio, Texas 78259-2809
Attention: Chip Twomey

APNs 7315-020-021; 7315-020-022;
7315-020-013; 7315-006-003;7315-007-005;
7315-007-006; 7315-007-007; 7315-007-011;
7315-007-012; 7315-007-009; 7315-008-009;
7315-008-040; 7315-008-041; 7315-008-042;
7315-008-043;7315-008-044; 7315-008-046;
7315-008-047; 7315-008-048; 7315-008-050;
7315-008-053; 7315-020-019; 8910-840-026;
8910-840-025;8910-840-553; 8940-759-574;
8940-759-578; 8910-840-576; and 8940-759-579.

TRANSFER TAX
NOT A PUBLIC RECORD

12760270-27 (Space Above Line For Recorder's Use Only)

GRANT DEED AND ENVIRONMENTAL RESTRICTION

The undersigned Grantor declares that documentary transfer tax is not shown pursuant to Section 11932 of the California Revenue and Taxation Code, as amended.

FOR AND IN CONSIDERATION OF THE SUM OF TEN DOLLARS ($10.00) AND OTHER GOOD AND VALUABLE CONSIDERATION, receipt of which is hereby acknowledged, BP WEST COAST PRODUCTS LLC, a Delaware limited liability company ("BPPNA"), with its principal place of business at 501 Westlake Park Blvd., Houston, Texas 77079, and ATLANTIC RICHFIELD COMPANY, a Delaware corporation, successor in interest to Atlantic Richfield Company, a Pennsylvania corporation, formerly known as The Atlantic Refining Company, a Pennsylvania corporation, successor by merger to Richfield Oil Corporation, a Delaware corporation ("ARCO"), with its principal place of business at 501 Westlake Park Blvd., Houston, Texas 77079 (ARCO, together with BPPNA, are hereinafter collectively referred to as, "Grantor"), does hereby grant, bargain, sell and convey to TESORO REFINING & MARKETING COMPANY LLC, a Delaware limited liability company, with its principal place of business at 100 Ridgewood Parkway, San Antonio, Texas 78259, ("Grantee"), the real property located in the City of Carson and County of Los Angeles, State of California described as follows, together with all buildings, fixtures and real property improvements owned

by Grantor located thereon (the "Property"), together with all right, title and interest, if any, of Grantor in and to any streets and roads abutting the Property to the center lines thereof, plus all the estate and rights of Grantor in and to any easements, rights of way, rights, appurtenances and other privileges appurtenant to the Property on the terms and conditions set forth herein:

See attached Exhibit A-1, as to the Property being conveyed by BPPNA, and Exhibit A-2, as to the Property being conveyed by ARCO, both of which are incorporated by reference to this document.

To reduce risks to human health and/or the environment and to permit application of environmental corrective action standards or other protective activities that are consistent with applicable law, this conveyance is made by Grantor and accepted by Grantee on the express condition and subject to the restrictions, notices, acknowledgments and covenants set forth in Exhibit B attached hereto and incorporated by reference to this document.

With respect only to the portion of the Property described as "Parcel E" on Exhibit A-1 ("Parcel E"), Parcel E is hereby conveyed subject to the following:

(a) As required pursuant to the Grant Deed by and between Carson Redevelopment Agency, a public body, corporate and politic, as grantor, and BPPNA, as grantee, recorded March 2, 2009, as Instrument No. 20090286245, in the Recorder's Office of Los Angeles County, California, with respect to Parcel E, Grantee herein covenants by and for himself or herself, and his or her heirs, executors, administrators, and assigns, and all persons claiming under or through them, that there shall be no discrimination against or segregation of, any person or group of persons on account of race, color, creed, religion, sex, marital status, national origin or ancestry in the sale, lease, sublease, transfer, use, occupancy, tenure or enjoyment of the Parcel E herein conveyed, nor shall Grantee himself or herself or any person claiming under or through him or her, establish or permit any such practice or practices of discrimination or segregation with reference to the selection, location, number, use or occupancy of tenants, lessees, subtenants, sublessees, or vendees in Parcel E herein conveyed. The foregoing covenants shall run with the land of Parcel E; and

(b) Parcel E is hereby conveyed to Grantee subject to the Restrictions as defined and as set forth in that certain Covenant to Restrict Use of Property Environmental Restriction by and between City of Carson Redevelopment Agency and the Department of Toxic Substances Control, recorded December 21, 2005, as Instrument No. 05-3142785, in the Recorder's Office of Los Angeles County, California, and such Restrictions are hereby incorporated by reference.

The express and implied warranties of Grantor under this deed are made to Grantee only, do not extend to third parties and are subject to (a) all non-delinquent general and special taxes; (b) all matters of record, including without limitation, all covenants, conditions, restrictions, rights of way, easements, and reservations of record; (c) all building and zoning ordinances, laws, regulations and restrictions by municipal or other governmental authority; (d) all matters which would be disclosed by a survey or inspection of the Property; and (e) such facts of which Grantee has actual notice.

[SIGNATURES APPEAR ON THE SUBSEQUENT PAGES]

Carson Refinery:

APN numbers:

7315-006-003
7315-007-005
7315-007-006
7315-007-007
7315-007-009
7315-007-011
7315-007-012
7315-008-009
7315-008-040
7315-008-041
7315-008-042
7315-008-043
7315-008-044
7315-008-046
7315-008-047
7315-008-048
7315-008-050
7315-008-053
7315-020-013
7315-020-019
7315-020-021
7315-020-022
8910-840-025
8910-840-026
8910-840-553
8910-840-576
8940-759-574
8940-759-578
8940-759-579

5

IN WITNESS WHEREOF, this Deed has been executed and delivered this 1st day of June, 2013.

GRANTOR:

BP WEST COAST PRODUCTS LLC, a Delaware limited liability company

By: _____
Name: Mark E. Frena
Title: Authorized Person

ATLANTIC RICHFIELD COMPANY, a Delaware corporation, successor in interest to Atlantic Richfield Company, a Pennsylvania corporation, formerly known as The Atlantic Refining Company, a Pennsylvania corporation, successor by merger to Richfield Oil Corporation, a Delaware corporation

By: _____
Name: Mark E. Frena
Title: Authorized Person

CERTIFICATE OF ACKNOWLEDGEMENT OF NOTARY PUBLIC

STATE OF CALIFORNIA)
SS.
COUNTY OF LOS ANGELES)

On 5/24, 2013, before me, Dany Victory, a notary public, personally appeared Mark E. Frena, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature _____ (Seal)

DANY VICTORY
Commission # 1945788
Notary Public - California
Los Angeles County
My Comm. Expires Aug 25, 2015

Refinery
EAST\55412597

CERTIFICATE OF ACKNOWLEDGEMENT OF NOTARY PUBLIC

STATE OF CALIFORNIA)
SS.
COUNTY OF LOS ANGELES)

On 5/24, 2013, before me, Dany Victory, a notary public, personally appeared Mark E. Frena, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature _____ (Seal)

DANY VICTORY
Commission # 1945788
Notary Public - California
Los Angeles County
My Comm. Expires Aug 25, 2015

GRANTEE: **TESORO REFINING & MARKETING COMPANY LLC**, a Delaware limited liability company

By: _____
Name: Daniel R. Romasko
Title: Executive Vice President, Operations

CERTIFICATE OF ACKNOWLEDGEMENT OF NOTARY PUBLIC

STATE OF CALIFORNIA)
SS.
COUNTY OF LOS ANGELES)

On May 29, 2013, before me, Linda Karen Williams a notary public, personally appeared Daniel R. Romasko, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Linda Karen Williams (Seal)

LINDA KAREN WILLIAMS
Comm. #1904078
Notary Public - California
Los Angeles County
Comm. Expires Oct 11, 2014

Refinery
EAST\55412597

Exhibit A-1 to Grant Deed

Legal Description
(BP Products North America Inc.)

Parcel A:

Parcel 1:

The Northeasterly 640.00 feet of that portion of Lot 1 of Tract No. 10844, in the City of Carson, County of Los Angeles, State of California, as per Map recorded in Book 301, Pages 37, 38 and 39 of Maps, Records of said County lying Southwesterly of the Southerly line of the land as described in the Document recorded September 9, 1998 as Instrument No. 98-1608470, Official Records.

Except therefrom that portion of said land lying Southwesterly of a line parallel with and distant 348.00 feet, as measured at right angles , from said Southwesterly line of said Instrument No. 98-1608470, Official Records and lying Southwesterly of a line parallel with and distant 87.00 feet, as measured at right angles, from the Northeasterly line of said Lot 1, as shown and described as Parcel 1 under Certificate of Compliance, recorded December 27, 2006, as Instrument No. 06-2876653, of Official Records.

Parcel 2:

That portion of the Northeasterly 640.00 feet of that portion of Lot 1 of Tract No. 10844, in the City of Carson, County of Los Angeles, State of California, as per Map recorded in Book 301, Pages 37, 38 and 39 of Maps, Records of said County lying Southwesterly of the Southerly line of the land as described in the Document recorded September 9, 1998 as Instrument No. 98-1608470, Official Records and lying Southwesterly of a line parallel with and distant 348.00 feet, as measured at right angles , from said Southwesterly line of said Instrument No. 98-1608470, Official Records and lying Southwesterly of a line parallel with and distant 87.00 feet, as measured at right angles, from the Northeasterly line of said Lot 1, as shown and described as Parcel 2 under Certificate of Compliance, recorded December 27, 2006, as Instrument No. 06-2876653, of Official Records.

Parcel 3:

That portion of Lot 1 as shown on Map of Tract 10844, in the City of Carson, County of Los Angeles, State of California, recorded in Book 301, Pages 37, 38 and 39 of Maps, in the Office of the County Recorder of said County, described as follows:

Beginning at a point on a line that is parallel with and distant Easterly 40 feet, measured at right angles, from the Westerly line of said Lot 1, distant South 17°09'45" West thereon 557.25 feet from the Northerly line of said Lot 1; Thence Southeasterly leaving said parallel line, along the arc of a curve concave Northeasterly having a radius of 317.72 feet, (a radial line to said curve at said Point of Beginning bears South 55°40'05" West) through an angle of 8°34'50", a distance of 47.58 feet; Thence of South 42°54'45", tangent to last described curve, 37.33 feet; Thence South 51°05'01" East, 42.49 feet to the beginning of a tangent curve, concave Northeasterly, having a radius of 317.72 feet; Thence Southeasterly along the arc of last described curve, through an angle of 17°38'16", a distance of 97.62 feet; Thence South 21°18'23" West, 20.00 feet, to a point on a curve, concave Northeasterly, having a radius of 317.72 feet, (a radial line to last said curve at said point bears South 28°35'28" West); Thence Southeasterly, along the arc of last described

curve, through an angle of 11°25'43", a distance of 63.37 feet; Thence South 72°50'15" East, tangent to last described curve, 397.68 feet to the beginning of a tangent curve, concave Southwesterly having a radius of 342.72 feet; Thence Southeasterly along the arc of last described curve, through an angle of 62°09'45", a distance of 371.83 feet; Thence South 10°40'30" East, tangent to last described curve 3.30 feet to the beginning of a tangent curve concave Westerly, having a radius 492.53 feet; Thence Southerly, along, the arc of last described curve, through an angle of 6°21'36", a distance of 54.69 feet; Thence South 4°18'55" East, tangent to last described curve, 209.89 feet to the beginning of a tangent curve, concave Easterly, having a radius of 621.78 feet; Thence Southerly, along the arc of last described curve, through an angle of 6°21'35", a distance of 69.02 feet to a point on a line that is parallel with and distant Westerly 35.00 feet measured at right angles, from the Easterly line of said Lot 1; Thence South 10°40'30" East, along last said parallel line, 558.57 feet to the beginning of a tangent curve, concave Westerly, having a radius of 397.24 feet; Thence Southerly, leaving said parallel line, among the arc of last described curve, through an angle of 12°39'00", a distance of 87.70 feet; Thence South 1°58'30" West, tangent to last described curve, 182.31 feet to the beginning of a tangent curve, concave Easterly, having a radius of 621.78 feet; Thence Southerly along the arc of last described curve, through an angle of 6°21'35", a distance of 69.02 feet; Thence South 85°36'55" West, 25.00 feet; Thence North 4°23'05" West, 27.00 feet to the beginning of a tangent curve, concave Easterly, having a radius of 404.64 feet; Thence Northerly, along the arc of last described curve, through an angle of 6°21'35", a distance of 44.91 feet; Thence North 1°58'30" East, tangent to last described curve, 181.31 feet to the beginning of a tangent curve, concave Westerly, having a radius of 370.24 feet; Thence Northerly, along the arc of last described curve, through an angle of 12°39'00" a distance of 81.85 feet to a point in a line that is parallel with and distant Westerly 61.50 feet, measured at right angles, from said Easterly line of Lot 1; Thence North 10°40'30" West, along said parallel line, tangent to last described curve, 476.47 feet; Thence leaving said parallel line, South 82°30'18" West, 12.09 feet to a point on a curve, concave Westerly, having a radius of 372.24 feet (a radial line to said curve at said point bears North 82°30'18" East); Thence Northerly, along the arc of last described curve, through an angle of 3°10'48", a distance of 20.66 feet; Thence North 10°40'30" West, tangent to last described curve, 24.46 feet; Thence North 4°18'55" West, 317.15 feet to the beginning of a tangent curve, concave Westerly, having a radius of 462.68 feet; Thence Northerly, along the arc of last described curve through an angle of 6°21'35", a distance of 51.36 feet; Thence North 10°40'30" West, tangent to last described curve, 3.30 feet to the beginning of a tangent curve, concave Southwesterly, having a radius of 312.72 feet; Thence Northwesterly, along the arc of last described curve, through an angle of 62°09'45", a distance of 339.28 feet; Thence North 72°50'15" West, tangent to last described curve, 397.63 feet to the beginning of a tangent curve, concave Northeasterly, having a radius of 347.72 feet; Thence Northwesterly, along the arc of last described curve, through an angle of 29°55'30", a distance of 181.61 feet; Thence North 42°54'45" West, tangent to last described curve, 80.31 feet to the beginning of a tangent curve, concave Northeasterly, having a radius of 347.72 feet; Thence Northwesterly, along the arc last described curve, through an angle of 4°44'49", a distance of 28.81 feet to a point on the aforesaid line that is parallel with and distant Easterly 40 feet, measured at right angles, from the Westerly line of said Lot 1; Thence North 17°09'45" East, along last said parallel line, 37.34 feet to the Point of Beginning.

Parcel B:

Lot 2 of Tract No. 10844, in the City of Carson, County of Los Angeles, State of California, as per Map recorded in Book 301, Pages 37, 38 and 39 of Maps, in the Office of the County Recorder of said County.

Except therefrom that portion of said land described in the Document recorded September 5, 1958 as Instrument No. 3766 of Official Records.

Also except that portion of said land described in the Document recorded October 5, 1962 as Instrument No. 5504, of Official Records.

Also except therefrom that portion of said land described in the Deed to the County of Los Angeles, recorded September 1, 1966 as Instrument No. 2394, of Official Records.

The above described land is a portion of and shown as Parcel B of "Notice of Lot Merger No. 253-11 – Certificate of Compliance", recorded December 14, 2012, as Instrument No. 20121936995, of Official Records.

Parcel C:

Parcels 1, 2 and 3 of Parcel Map No. 23139, in the City of Carson, County of Los Angeles, State of California, as shown on Map filed in Book 248, Pages 63 through 67 of Parcel Maps, in the Office of the Registrar-Recorder of said County.

Parcel E:

Parcel 1 of Parcel Map No. 61063, in the City of Carson, County of Los Angeles, State of California, as per Map recorded in Book 355, Pages 81 through 83, inclusive, of Maps, in the Office of the County Recorder of said County.

Parcel F:

That portion of the 398.11 acre tract, in the Rancho San Pedro, in the City of Carson, County of Los Angeles, State of California, allotted to Ana Josefa Dominguez De Guyer in Case No. 3284 of the Superior Court of said County, described as follows:

Beginning at the intersection of the Southerly line of 223rd Street, formerly Wilmington Street, 66 feet wide, as shown on the Partition Map filed in said Case No. 3284 with a line that is parallel with and distant Westerly 250 feet, measured at right angles from the Westerly line of the right-of-way of the Pacific Electric Railway Company (San Pedro Branch); Thence parallel with said Westerly line South 17°01'48" West 972.54 feet; Thence parallel with said 223rd Street South 89°45'25" West 523.61 feet to a line that is parallel with and distant Westerly 750 feet from said Westerly line; Thence parallel with said Westerly line North 17°01'48" East 972.54 feet to said Southerly line of 223rd Street; Thence along said street North 89°45'25" East 523.61 feet to the Point of Beginning.

Parcel I:

Parcel 1:

That portion of the 398.11 acre tract in Rancho San Pedro, in the City of Carson, County of Los Angeles, State of California, allotted to the Josefa Dominguez De Guyer, by Final Degree of Partition of a portion of said Rancho, had in Los Angeles County Superior Court Case No. 3284, being that portion of the 25 feet parcel of land described in the Deed to Watson Land Company,

recorded in Book 15504, Page 179 of Official Records of said County, lying Easterly of the Westerly line of Los Angeles County Flood Control District Channel, 250 feet wide, as said Westerly line is described in Easement recorded in Book 19501, Page 324 of Official Records of said County.

Excepting therefrom all oil and mineral rights, provided, however, the foregoing rights and the exercise thereof are and shall be subject to the following limitations, to-wit: Neither the grantor nor anyone claiming under or through the grantor shall have or exercise any right of entry upon or through said real property except beneath a depth of 200 feet below the present surface of said real property, nor to in any wise affect the surface use of said real property by the grantee, as reserved by Dominguez Estate Company, a Corporation by Deed recorded January 8, 1957, as Document No. 2030, in Book 53297 Page 140, Official Records.

Parcel J:

Parcel 1:

That portion of the Ana Josefa Dominguez De Guyer 398.11 acre allotment in the Partition of a part of the Rancho San Pedro, in the City of Carson, in the County of Los Angeles, State of California, as shown on Map filed in Case No. 3284, of the Superior Court of the State of California, in and for the County of Los Angeles, bounded as follows:

On the Northeast and Southwest by the Northeasterly and Southwesterly lines of the 250 foot wide strip of land as described in Deed to Los Angeles County Flood Control District recorded on August 29, 1942 as Document No. 20 in Book 19537, Page 152, Official Records, in the Office of the County Recorder of said County, and also shown as Los Angeles County Flood Control "Dominguez Channel" on Sheet No. 3 of the Map of Tract No. 10844, recorded in Book 301, Pages 37 to 39 inclusive of Maps, in the Office of the County Recorder of said County; on Northwest by the Southeasterly boundary line of the land conveyed to County Sanitation District No. 8 of Los Angeles County by Deed recorded on October 25, 1958 as Document No. 3918, in Book D-254, Page 463, of said Official Records; and on the South by the Northerly line of the 25 foot wide strip of land conveyed to Watson Land Company by Deed dated November 2, 1937 and recorded in Book 15504, Page 179, Official Records.

Except that portion within the lines of the 25 foot wide strip of land as described in Deed to Watson Land Company recorded on April 20, 1945 as Document No. 57 in Book 21890, Page 191, Official Records.

Parcel 2:

That portion of the Ana Josefa Dominguez De Guyer 398.11 acre allotment in the Partition of a part of the Rancho San Pedro, in the City of Carson, in the County of Los Angeles, State of California, as shown on Map filed in Case No. 3284, of the Superior Court of the State of California, in and for the County of Los Angeles, included within the lines of the 25 foot wide strip of land as described in Deed to Watson Land Company recorded on April 20, 1945 as Document No. 57 in Book 21890, Page 191, Official Records, in the Office of the County Recorder of said County.

Parcel K:

Parcels 1, 2 and 4 of Parcel Map No. 1363, in the City of Carson, County of Los Angeles, State of California, as per map filed in Book 31, Page 13, of Parcel Maps, in the Office of the County Recorder of said County.

Except all oil, gas and other hydrocarbons and other minerals in, under or recoverable from said land, and the right to explore, mine, drill and operate for the same and to produce and remove the same, but without the right to enter upon the surface of said land for said purposes, as excepted by Richfield Oil Corporation, a Corporation, in deed recorded June 14, 1960, as Instrument No. 1384, in Book D-877, Page 131, Official Records.

Also except all oil, gas and other hydrocarbon substances and all other minerals in, under or recoverable from said land, and the right to explore, mine, drill and operate for the same to produce and remove same, but without the right to enter upon the surface of said land for said purpose, as excepted in the deed from Richfield Oil Corporation, a Corporation, recorded June 22, 1964, as Instrument No. 5314, in Book D-2519, Page 270, Official Records.

Also excepting all oil, gas and other hydrocarbon substances and all other minerals in, under or recoverable from said real property hereinabove described, and the right to explore, mine, drill and operate for the same and to produce and remove the same, but without the right to enter upon the surface of said real property hereinabove described for said purpose, as reserved by Atlantic Richfield Company, a Pennsylvania corporation, (formerly The Atlantic Refining Company, successor to Richfield Oil Corporation, a Corporation by merger), in deed recorded July 13, 1970, as Instrument No. 3144, in Book D4770, Page 868, Official Records.

Parcel L:

That portion of the 398.11 acre lot tract allotted to Ana Josefa Dominguez DeGuyer, by Decree of Partition of the Rancho San Pedro entered in Case No. 3284, Superior Court, Los Angeles County, in the City of Carson, County of Los Angeles, State of California, being a portion of the 250 foot strip of land described in the deed from White Star Land Company, recorded in Book 2977, Page 115, Official Records, bounded by the following described lines:

Beginning at a point in the Easterly line of said 250 foot strip of land, distant Southwesterly thereon 88.02 feet from its intersection with the Southerly line of 233rd Street, 66 feet wide (formerly Wilmington Street); thence Southwesterly 707 feet along said Easterly line to a point in a curve concave to the Northwest and having a radius of 343.39 feet; thence Southwesterly along said curve 243.02 feet, more or less, to a point in a line parallel with and distant Northerly 35 feet, measured at right angles from the Southerly line of said 250 foot strip of land distant Easterly 54.93 feet along said parallel line from a point in the Easterly line of the 50 foot strip of land described in the deed to Johns-Manville Products Company, recorded in Book 21842, Page 395, Official Records, in the Office of the County Recorder of said County; thence Westerly along said parallel line 54.93 feet to said Easterly line; thence Northeasterly 935.88 feet along said last mentioned Easterly line to a point in the Southerly line of said 223rd Street; thence Easterly along said Southerly line of said street 194.04 feet; thence Southerly in a direct line 84.73 feet to the point of beginning.

Parcel M:

That portion of the 398.11 acre lot tract allotted to Ana Josefa Dominguez DeGuyer, by Decree of Partition of the Rancho San Pedro entered in Case No. 3284, Superior Court, Los Angeles County, in the City of Carson, County of Los Angeles, State of California, described as follows:

Being that certain parcel of land bounded on the North by the South line of the 25 foot parcel of land described in deed to Watson Land Company recorded in Book 15504 Page 179, of Official Records of said county;

On the South by the North line of that certain parcel of land described in deed to Johns-Mansville Products Corporation, recorded in Book 19497 Page 374 of Official Records of said county and on the Westerly prolongation of said North line;

On the West by the Westerly line of the Los Angeles County Flood Control Easement, 250 feet wide, as said easement is described and recorded in Book 19438 Page 355 of Official Records of said county and

On the East by the Westerly line of Pacific Electric Land Company, strip of land, 250 feet wide, as described in deed Recorded in Book 2845 Page 356, of Official Records of said county.

Said land is shown and described as Lot C, under Certificate of Compliance, recorded December 24, 2007, as Instrument No. 2007-2824658, of Official Records.

Except therefrom that portion of said land described as Lots A and B, under Certificate of Compliance, recorded December 24, 2007, as Instrument No. 2007-2824658, of Official Records.

The above described land is a portion of and shown as Parcel M of "Notice of Lot Merger No. 253-11 – Certificate of Compliance", recorded December 14, 2012, as Instrument No. 20121936995, of Official Records.

Exhibit A-2 to Grant Deed

Legal Description
(Atlantic Richfield Company)

Lot 1 of Tract No. 10844, in the City of Carson, County of Los Angeles, State of California, as per map recorded in Book 301, Pages 37, 38 and 39 of Maps, in the Office of the County Recorder of said County.

Except that portion of said land described in the deed to Los Angeles County Flood Control District, a body corporate and politic, recorded October 9, 1961, as Instrument No. 4182, Official Records.

Also except that portion of said land described in the deed to Los Angeles County Flood Control District, a body corporate and politic, recorded July 14, 1970, as Instrument No. 2618, of Official Records.

Also except that portion of said land described in the deed to Stauffer Chemical Company, a Delaware Corporation, recorded December 21, 1973, as Instrument No. 279, of Official Records.

Also except that portion of said land described in the deed to the County of Los Angeles, recorded July 24, 1995, as Instrument No. 95-1197702, of Official Records.

Also except that portion of said land described in the deed to BP West Coast products LLC, a Delaware limited liability company, recorded February 22, 2002, as Instrument No. 02-0419284, of Official Records.

Also except that portion of said land described in the Quitclaim Deed to the Los Angeles County Flood Control District, a body corporate and politic, recorded June 26, 2003, as Instrument No. 03-1836063, of Official Records.

Exhibit B to Grant Deed

Environmental Restrictions

1. Background Information: Purpose and Intent. Certain Hazardous Substances (as defined in Paragraph 2 below), may be present at, on and underneath the Property. Grantor and Grantee agree that (i) the terms of this Exhibit B (the "Environmental Restrictions") are necessary to protect present and future human health and safety and the environment and (ii) the Environmental Restrictions are a covenant running with the land as provided in California Civil Code Section 1471 and other applicable law.

2. Definitions. As used herein, "Hazardous Substances" means (i) any chemicals, materials or substances in any form, whether solid, liquid, gaseous, semisolid, or any combination thereof, whether waste materials, raw materials, chemicals, finished products, by-products, or any other materials or articles, which are listed, defined or otherwise designated as hazardous, toxic or dangerous under Environmental Law (as defined below), including asbestos, and lead-containing paints or coatings, (ii) any petroleum, petroleum derivatives, petroleum products or by-products of petroleum refining or any oxygenate in any fuel, Released (as defined below) into the environment, and (iii) any other chemical, substance or waste that is regulated by Environmental Laws. "Environmental Law" or "Environmental Laws" as used herein means all federal, state and local laws (including common law) relating to the protection of natural resources, wildlife, human health, safety or well being, property, the environment or workplace health or safety, including the Comprehensive Environmental Response, Compensation, and Liability Act of 1980, as amended, 42 U.S.C. §§ 9601 et seq. ("CERCLA"), the Resource Conservation and Recovery Act of 1976, as amended, 42 U.S.C. §§ 6901 et seq., the Clean Air Act, as amended, 42 U.S.C. §§ 7401 et seq., the Emergency Planning and Community Right-to-know Act, as amended, 42 U.S.C. §§ 11001 et seq., the Federal Water Pollution Control Act, as amended, 33 U.S.C. §§ 1251 et seq., the Oil Pollution Act of 1990, 33 U.S.C. §§ 2701 et seq., the Occupational Safety and Health Act of 1970, 29 U.S.C. §§ 651 et seq., applicable underground storage tank system laws, including California Health & Safety Code §§ 25280, et seq., and California Health & Safety Code Section 25359.7. "Released" as used herein shall have the meaning set forth in Environmental Laws, including CERCLA and any analogous state law, statute, code, regulation, rule, injunction, judgment, ordinance, order, decree, ruling, charge, permit, or other restriction), but does not include migration or movement of Hazardous Substances already present in the environment.

3. Successors Bound. The Environmental Restrictions are and shall be binding on Grantee and all successive owners of the Property. Every person who now or hereafter owns, occupies or acquires any right, title, or interest in or to the Property is and shall be conclusively deemed to have consented and agreed to the Environmental Restrictions, whether or not any reference to this Deed is contained in the instrument by which such person acquired an interest in the Property.

4. Beneficiary of Environmental Restrictions. The Environmental Restrictions are for the benefit of, and shall be enforceable by, Grantor and Grantor's successors and assigns and Grantee and Grantee's successors and assigns.

5. Prohibited Uses. The Property shall not be used or occupied (if used or occupied at all) for residential purposes, and additionally, no part of the Property shall be used for the purpose of operating a child care or elder care facility, a nursing home facility or hospice, a medical or dental facility, a school, a church or other place of worship, a park, jail, a juvenile detention center, a hotel, motel, or other lodging facility, zoo, animal shelter, animal treatment or care facility, kennel, horse boarding or riding stable, food processing facility, greenhouse, plant nursery, farm or livestock housing, overnight camping, recreational vehicle park, swimming, fishing, hunting or trapping, dry cleaners or a hospital.

6. Groundwater Restriction. No water supply wells of any kind (including, without limitation, water wells used for drinking, bathing or other human consumption purposes and water wells used for livestock, farming or irrigation) shall be installed or used on the Property (collectively, the "Groundwater Exposure Restriction"); provided, however, that the Groundwater Exposure Restriction does not prohibit the installation or use of any compliance wells or any groundwater monitoring, recovery or extraction wells or similar devices used for or related to the performance of any remediation or environmental corrective action work on the Property now or in the future.

7. Excavation of Soils/Materials. Excavation of any sort shall be performed in a manner to minimize personal contact with excavated soil/materials and all excavated soil/materials shall be managed in accordance with all applicable Environmental Laws.

8. Notice of the Presence of Hazardous Substances. Prior to the sale, lease or sublease of the Property, the owner, lessor, or sublessor shall give the buyer, lessee or sublessee, as applicable, notice that Hazardous Substances are located on or beneath the Property, as required by California Health and Safety Code Section 25359.7, including any future amendments or revisions thereof.

9. Incorporation into Deeds and Leases. Without in any way limiting paragraph 3 above, the Environmental Restrictions shall be incorporated by reference in each and every deed and lease for the Property.

10. Rules of Construction. As used herein, (i) all references to the term "Property" shall be deemed to be followed by the phrase "or any portion thereof"; (ii) all references to the word "including" shall be deemed to be followed by the phrase ", without limitation,"; and (iii) the term "person" includes natural persons, corporations, partnerships, limited liability companies and any other private or public legal entity.

11. Severability. If any term or provision of the Environmental Restrictions is held by a court of competent jurisdiction to be invalid, void or unenforceable, the remainder of the terms and provisions shall continue in full force and effect.

ACTIVITY AND USE LIMITATIONS (AULS) EXHIBITS

This page is part of your document - DO NOT DISCARD

20130825417

Recorded/Filed in Official Records
Recorder's Office, Los Angeles County,
California

06/03/13 AT 08:00AM

Pages:
0016

FEES:	61.00
TAXES:	NFPR
OTHER:	0.00
PAID:	NFPR

LEADSHEET

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004908832

SEQ:
27

DAR - Title Company (Hard Copy)

THIS FORM IS NOT TO BE DUPLICATED

E464772

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LAWYERS TITLE COMPANY

RECORDING REQUESTED BY:
Lawyers Title Company
888 S. Figueroa Street, Suite 2100
Los Angeles, California 90017

06/03/2013
20130825417

WHEN RECORDED MAIL TO:
Tesoro Companies, Inc.
19100 Ridgewood Parkway
San Antonio, Texas 78259
Attention: Brooks Meltzer

MAIL TAX STATEMENTS TO:
Tesoro Companies, Inc.
P.O. Box 592809
San Antonio, Texas 78259-2809
Attention: Chip Twomey

APNs 7315-020-021; 7315-020-022;
7315-020-013; 7315-006-003;7315-007-005;
7315-007-006; 7315-007-007; 7315-007-011;
7315-007-012; 7315-007-009; 7315-008-009;
7315-008-040; 7315-008-041; 7315-008-042;
7315-008-043;7315-008-044; 7315-008-046;
7315-008-047; 7315-008-048; 7315-008-050;
7315-008-053; 7315-020-019; 8910-840-026;
8910-840-025;8910-840-553; 8940-759-574;
8940-759-578; 8910-840-576; and 8940-759-579.

TRANSFER TAX
NOT A PUBLIC RECORD

12760270-27 (Space Above Line For Recorder's Use Only)

GRANT DEED AND ENVIRONMENTAL RESTRICTION

The undersigned Grantor declares that documentary transfer tax is not shown pursuant to Section 11932 of the California Revenue and Taxation Code, as amended.

FOR AND IN CONSIDERATION OF THE SUM OF TEN DOLLARS ($10.00) AND OTHER GOOD AND VALUABLE CONSIDERATION, receipt of which is hereby acknowledged, BP WEST COAST PRODUCTS LLC, a Delaware limited liability company ("BPPNA"), with its principal place of business at 501 Westlake Park Blvd., Houston, Texas 77079, and ATLANTIC RICHFIELD COMPANY, a Delaware corporation, successor in interest to Atlantic Richfield Company, a Pennsylvania corporation, formerly known as The Atlantic Refining Company, a Pennsylvania corporation, successor by merger to Richfield Oil Corporation, a Delaware corporation ("ARCO"), with its principal place of business at 501 Westlake Park Blvd., Houston, Texas 77079 (ARCO, together with BPPNA, are hereinafter collectively referred to as, "Grantor"), does hereby grant, bargain, sell and convey to TESORO REFINING & MARKETING COMPANY LLC, a Delaware limited liability company, with its principal place of business at 100 Ridgewood Parkway, San Antonio, Texas 78259, ("Grantee"), the real property located in the City of Carson and County of Los Angeles, State of California described as follows, together with all buildings, fixtures and real property improvements owned

by Grantor located thereon (the "Property"), together with all right, title and interest, if any, of Grantor in and to any streets and roads abutting the Property to the center lines thereof, plus all the estate and rights of Grantor in and to any easements, rights of way, rights, appurtenances and other privileges appurtenant to the Property on the terms and conditions set forth herein:

See attached Exhibit A-1, as to the Property being conveyed by BPPNA, and Exhibit A-2, as to the Property being conveyed by ARCO, both of which are incorporated by reference to this document.

To reduce risks to human health and/or the environment and to permit application of environmental corrective action standards or other protective activities that are consistent with applicable law, this conveyance is made by Grantor and accepted by Grantee on the express condition and subject to the restrictions, notices, acknowledgments and covenants set forth in Exhibit B attached hereto and incorporated by reference to this document.

With respect only to the portion of the Property described as "Parcel E" on Exhibit A-1 ("Parcel E"), Parcel E is hereby conveyed subject to the following:

(a) As required pursuant to the Grant Deed by and between Carson Redevelopment Agency, a public body, corporate and politic, as grantor, and BPPNA, as grantee, recorded March 2, 2009, as Instrument No. 20090286245, in the Recorder's Office of Los Angeles County, California, with respect to Parcel E, Grantee herein covenants by and for himself or herself, and his or her heirs, executors, administrators, and assigns, and all persons claiming under or through them, that there shall be no discrimination against or segregation of, any person or group of persons on account of race, color, creed, religion, sex, marital status, national origin or ancestry in the sale, lease, sublease, transfer, use, occupancy, tenure or enjoyment of the Parcel E herein conveyed, nor shall Grantee himself or herself or any person claiming under or through him or her, establish or permit any such practice or practices of discrimination or segregation with reference to the selection, location, number, use or occupancy of tenants, lessees, subtenants, sublessees, or vendees in Parcel E herein conveyed. The foregoing covenants shall run with the land of Parcel E; and

(b) Parcel E is hereby conveyed to Grantee subject to the Restrictions as defined and as set forth in that certain Covenant to Restrict Use of Property Environmental Restriction by and between City of Carson Redevelopment Agency and the Department of Toxic Substances Control, recorded December 21, 2005, as Instrument No. 05-3142785, in the Recorder's Office of Los Angeles County, California, and such Restrictions are hereby incorporated by reference.

The express and implied warranties of Grantor under this deed are made to Grantee only, do not extend to third parties and are subject to (a) all non-delinquent general and special taxes; (b) all matters of record, including without limitation, all covenants, conditions, restrictions, rights of way, easements, and reservations of record; (c) all building and zoning ordinances, laws, regulations and restrictions by municipal or other governmental authority; (d) all matters which would be disclosed by a survey or inspection of the Property; and (e) such facts of which Grantee has actual notice.

[SIGNATURES APPEAR ON THE SUBSEQUENT PAGES]

Carson Refinery:

APN numbers:

7315-006-003
7315-007-005
7315-007-006
7315-007-007
7315-007-009
7315-007-011
7315-007-012
7315-008-009
7315-008-040
7315-008-041
7315-008-042
7315-008-043
7315-008-044
7315-008-046
7315-008-047
7315-008-048
7315-008-050
7315-008-053
7315-020-013
7315-020-019
7315-020-021
7315-020-022
8910-840-025
8910-840-026
8910-840-553
8910-840-576
8940-759-574
8940-759-578
8940-759-579

5

IN WITNESS WHEREOF, this Deed has been executed and delivered this 1st day of June, 2013.

GRANTOR:

BP WEST COAST PRODUCTS LLC, a Delaware limited liability company

By: _____
Name: Mark E. Frena
Title: Authorized Person

ATLANTIC RICHFIELD COMPANY, a Delaware corporation, successor in interest to Atlantic Richfield Company, a Pennsylvania corporation, formerly known as The Atlantic Refining Company, a Pennsylvania corporation, successor by merger to Richfield Oil Corporation, a Delaware corporation

By: _____
Name: Mark E. Frena
Title: Authorized Person

CERTIFICATE OF ACKNOWLEDGEMENT OF NOTARY PUBLIC

STATE OF CALIFORNIA)
SS.
COUNTY OF LOS ANGELES)

On 5/24, 2013, before me, Dany Victory, a notary public, personally appeared Mark E. Frena, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature _____ (Seal)

DANY VICTORY
Commission # 1945788
Notary Public - California
Los Angeles County
My Comm. Expires Aug 25, 2015

Refinery
EAST\55412597

CERTIFICATE OF ACKNOWLEDGEMENT OF NOTARY PUBLIC

STATE OF CALIFORNIA)
SS.
COUNTY OF LOS ANGELES)

On 5/24, 2013, before me, Dany Victory, a notary public, personally appeared Mark E. Frena, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature _____ (Seal)

DANY VICTORY
Commission # 1945788
Notary Public - California
Los Angeles County
My Comm. Expires Aug 25, 2015

GRANTEE: **TESORO REFINING & MARKETING COMPANY LLC**, a Delaware limited liability company

By: _____
Name: Daniel R. Romasko
Title: Executive Vice President, Operations

CERTIFICATE OF ACKNOWLEDGEMENT OF NOTARY PUBLIC

STATE OF CALIFORNIA)
SS.
COUNTY OF LOS ANGELES)

On May 29, 2013, before me, Linda Karen Williams a notary public, personally appeared Daniel R. Romasko, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Linda Karen Williams (Seal)

LINDA KAREN WILLIAMS
Comm. #1904078
Notary Public - California
Los Angeles County
Comm. Expires Oct 11, 2014

Refinery
EAST\55412597

Exhibit A-1 to Grant Deed

Legal Description
(BP Products North America Inc.)

Parcel A:

Parcel 1:

The Northeasterly 640.00 feet of that portion of Lot 1 of Tract No. 10844, in the City of Carson, County of Los Angeles, State of California, as per Map recorded in Book 301, Pages 37, 38 and 39 of Maps, Records of said County lying Southwesterly of the Southerly line of the land as described in the Document recorded September 9, 1998 as Instrument No. 98-1608470, Official Records.

Except therefrom that portion of said land lying Southwesterly of a line parallel with and distant 348.00 feet, as measured at right angles , from said Southwesterly line of said Instrument No. 98-1608470, Official Records and lying Southwesterly of a line parallel with and distant 87.00 feet, as measured at right angles, from the Northeasterly line of said Lot 1, as shown and described as Parcel 1 under Certificate of Compliance, recorded December 27, 2006, as Instrument No. 06-2876653, of Official Records.

Parcel 2:

That portion of the Northeasterly 640.00 feet of that portion of Lot 1 of Tract No. 10844, in the City of Carson, County of Los Angeles, State of California, as per Map recorded in Book 301, Pages 37, 38 and 39 of Maps, Records of said County lying Southwesterly of the Southerly line of the land as described in the Document recorded September 9, 1998 as Instrument No. 98-1608470, Official Records and lying Southwesterly of a line parallel with and distant 348.00 feet, as measured at right angles , from said Southwesterly line of said Instrument No. 98-1608470, Official Records and lying Southwesterly of a line parallel with and distant 87.00 feet, as measured at right angles, from the Northeasterly line of said Lot 1, as shown and described as Parcel 2 under Certificate of Compliance, recorded December 27, 2006, as Instrument No. 06-2876653, of Official Records.

Parcel 3:

That portion of Lot 1 as shown on Map of Tract 10844, in the City of Carson, County of Los Angeles, State of California, recorded in Book 301, Pages 37, 38 and 39 of Maps, in the Office of the County Recorder of said County, described as follows:

Beginning at a point on a line that is parallel with and distant Easterly 40 feet, measured at right angles, from the Westerly line of said Lot 1, distant South 17°09'45" West thereon 557.25 feet from the Northerly line of said Lot 1; Thence Southeasterly leaving said parallel line, along the arc of a curve concave Northeasterly having a radius of 317.72 feet, (a radial line to said curve at said Point of Beginning bears South 55°40'05" West) through an angle of 8°34'50", a distance of 47.58 feet; Thence of South 42°54'45", tangent to last described curve, 37.33 feet; Thence South 51°05'01" East, 42.49 feet to the beginning of a tangent curve, concave Northeasterly, having a radius of 317.72 feet; Thence Southeasterly along the arc of last described curve, through an angle of 17°38'16", a distance of 97.62 feet; Thence South 21°18'23" West, 20.00 feet, to a point on a curve, concave Northeasterly, having a radius of 317.72 feet, (a radial line to last said curve at said point bears South 28°35'28" West); Thence Southeasterly, along the arc of last described

curve, through an angle of 11°25'43", a distance of 63.37 feet; Thence South 72°50'15" East, tangent to last described curve, 397.68 feet to the beginning of a tangent curve, concave Southwesterly having a radius of 342.72 feet; Thence Southeasterly along the arc of last described curve, through an angle of 62°09'45", a distance of 371.83 feet; Thence South 10°40'30" East, tangent to last described curve 3.30 feet to the beginning of a tangent curve concave Westerly, having a radius 492.53 feet; Thence Southerly, along, the arc of last described curve, through an angle of 6°21'36", a distance of 54.69 feet; Thence South 4°18'55" East, tangent to last described curve, 209.89 feet to the beginning of a tangent curve, concave Easterly, having a radius of 621.78 feet; Thence Southerly, along the arc of last described curve, through an angle of 6°21'35", a distance of 69.02 feet to a point on a line that is parallel with and distant Westerly 35.00 feet measured at right angles, from the Easterly line of said Lot 1; Thence South 10°40'30" East, along last said parallel line, 558.57 feet to the beginning of a tangent curve, concave Westerly, having a radius of 397.24 feet; Thence Southerly, leaving said parallel line, among the arc of last described curve, through an angle of 12°39'00", a distance of 87.70 feet; Thence South 1°58'30" West, tangent to last described curve, 182.31 feet to the beginning of a tangent curve, concave Easterly, having a radius of 621.78 feet; Thence Southerly along the arc of last described curve, through an angle of 6°21'35", a distance of 69.02 feet; Thence South 85°36'55" West, 25.00 feet; Thence North 4°23'05" West, 27.00 feet to the beginning of a tangent curve, concave Easterly, having a radius of 404.64 feet; Thence Northerly, along the arc of last described curve, through an angle of 6°21'35", a distance of 44.91 feet; Thence North 1°58'30" East, tangent to last described curve, 181.31 feet to the beginning of a tangent curve, concave Westerly, having a radius of 370.24 feet; Thence Northerly, along the arc of last described curve, through an angle of 12°39'00" a distance of 81.85 feet to a point in a line that is parallel with and distant Westerly 61.50 feet, measured at right angles, from said Easterly line of Lot 1; Thence North 10°40'30" West, along said parallel line, tangent to last described curve, 476.47 feet; Thence leaving said parallel line, South 82°30'18" West, 12.09 feet to a point on a curve, concave Westerly, having a radius of 372.24 feet (a radial line to said curve at said point bears North 82°30'18" East); Thence Northerly, along the arc of last described curve, through an angle of 3°10'48", a distance of 20.66 feet; Thence North 10°40'30" West, tangent to last described curve, 24.46 feet; Thence North 4°18'55" West, 317.15 feet to the beginning of a tangent curve, concave Westerly, having a radius of 462.68 feet; Thence Northerly, along the arc of last described curve through an angle of 6°21'35", a distance of 51.36 feet; Thence North 10°40'30" West, tangent to last described curve, 3.30 feet to the beginning of a tangent curve, concave Southwesterly, having a radius of 312.72 feet; Thence Northwesterly, along the arc of last described curve, through an angle of 62°09'45", a distance of 339.28 feet; Thence North 72°50'15" West, tangent to last described curve, 397.63 feet to the beginning of a tangent curve, concave Northeasterly, having a radius of 347.72 feet; Thence Northwesterly, along the arc of last described curve, through an angle of 29°55'30", a distance of 181.61 feet; Thence North 42°54'45" West, tangent to last described curve, 80.31 feet to the beginning of a tangent curve, concave Northeasterly, having a radius of 347.72 feet; Thence Northwesterly, along the arc last described curve, through an angle of 4°44'49", a distance of 28.81 feet to a point on the aforesaid line that is parallel with and distant Easterly 40 feet, measured at right angles, from the Westerly line of said Lot 1; Thence North 17°09'45" East, along last said parallel line, 37.34 feet to the Point of Beginning.

Parcel B:

Lot 2 of Tract No. 10844, in the City of Carson, County of Los Angeles, State of California, as per Map recorded in Book 301, Pages 37, 38 and 39 of Maps, in the Office of the County Recorder of said County.

Except therefrom that portion of said land described in the Document recorded September 5, 1958 as Instrument No. 3766 of Official Records.

Also except that portion of said land described in the Document recorded October 5, 1962 as Instrument No. 5504, of Official Records.

Also except therefrom that portion of said land described in the Deed to the County of Los Angeles, recorded September 1, 1966 as Instrument No. 2394, of Official Records.

The above described land is a portion of and shown as Parcel B of "Notice of Lot Merger No. 253-11 – Certificate of Compliance", recorded December 14, 2012, as Instrument No. 20121936995, of Official Records.

Parcel C:

Parcels 1, 2 and 3 of Parcel Map No. 23139, in the City of Carson, County of Los Angeles, State of California, as shown on Map filed in Book 248, Pages 63 through 67 of Parcel Maps, in the Office of the Registrar-Recorder of said County.

Parcel E:

Parcel 1 of Parcel Map No. 61063, in the City of Carson, County of Los Angeles, State of California, as per Map recorded in Book 355, Pages 81 through 83, inclusive, of Maps, in the Office of the County Recorder of said County.

Parcel F:

That portion of the 398.11 acre tract, in the Rancho San Pedro, in the City of Carson, County of Los Angeles, State of California, allotted to Ana Josefa Dominguez De Guyer in Case No. 3284 of the Superior Court of said County, described as follows:

Beginning at the intersection of the Southerly line of 223rd Street, formerly Wilmington Street, 66 feet wide, as shown on the Partition Map filed in said Case No. 3284 with a line that is parallel with and distant Westerly 250 feet, measured at right angles from the Westerly line of the right-of-way of the Pacific Electric Railway Company (San Pedro Branch); Thence parallel with said Westerly line South 17°01'48" West 972.54 feet; Thence parallel with said 223rd Street South 89°45'25" West 523.61 feet to a line that is parallel with and distant Westerly 750 feet from said Westerly line; Thence parallel with said Westerly line North 17°01'48" East 972.54 feet to said Southerly line of 223rd Street; Thence along said street North 89°45'25" East 523.61 feet to the Point of Beginning.

Parcel I:

Parcel 1:

That portion of the 398.11 acre tract in Rancho San Pedro, in the City of Carson, County of Los Angeles, State of California, allotted to the Josefa Dominguez De Guyer, by Final Degree of Partition of a portion of said Rancho, had in Los Angeles County Superior Court Case No. 3284, being that portion of the 25 feet parcel of land described in the Deed to Watson Land Company,

recorded in Book 15504, Page 179 of Official Records of said County, lying Easterly of the Westerly line of Los Angeles County Flood Control District Channel, 250 feet wide, as said Westerly line is described in Easement recorded in Book 19501, Page 324 of Official Records of said County.

Excepting therefrom all oil and mineral rights, provided, however, the foregoing rights and the exercise thereof are and shall be subject to the following limitations, to-wit: Neither the grantor nor anyone claiming under or through the grantor shall have or exercise any right of entry upon or through said real property except beneath a depth of 200 feet below the present surface of said real property, nor to in any wise affect the surface use of said real property by the grantee, as reserved by Dominguez Estate Company, a Corporation by Deed recorded January 8, 1957, as Document No. 2030, in Book 53297 Page 140, Official Records.

Parcel J:

Parcel 1:

That portion of the Ana Josefa Dominguez De Guyer 398.11 acre allotment in the Partition of a part of the Rancho San Pedro, in the City of Carson, in the County of Los Angeles, State of California, as shown on Map filed in Case No. 3284, of the Superior Court of the State of California, in and for the County of Los Angeles, bounded as follows:

On the Northeast and Southwest by the Northeasterly and Southwesterly lines of the 250 foot wide strip of land as described in Deed to Los Angeles County Flood Control District recorded on August 29, 1942 as Document No. 20 in Book 19537, Page 152, Official Records, in the Office of the County Recorder of said County, and also shown as Los Angeles County Flood Control "Dominguez Channel" on Sheet No. 3 of the Map of Tract No. 10844, recorded in Book 301, Pages 37 to 39 inclusive of Maps, in the Office of the County Recorder of said County; on Northwest by the Southeasterly boundary line of the land conveyed to County Sanitation District No. 8 of Los Angeles County by Deed recorded on October 25, 1958 as Document No. 3918, in Book D-254, Page 463, of said Official Records; and on the South by the Northerly line of the 25 foot wide strip of land conveyed to Watson Land Company by Deed dated November 2, 1937 and recorded in Book 15504, Page 179, Official Records.

Except that portion within the lines of the 25 foot wide strip of land as described in Deed to Watson Land Company recorded on April 20, 1945 as Document No. 57 in Book 21890, Page 191, Official Records.

Parcel 2:

That portion of the Ana Josefa Dominguez De Guyer 398.11 acre allotment in the Partition of a part of the Rancho San Pedro, in the City of Carson, in the County of Los Angeles, State of California, as shown on Map filed in Case No. 3284, of the Superior Court of the State of California, in and for the County of Los Angeles, included within the lines of the 25 foot wide strip of land as described in Deed to Watson Land Company recorded on April 20, 1945 as Document No. 57 in Book 21890, Page 191, Official Records, in the Office of the County Recorder of said County.

Parcel K:

Parcels 1, 2 and 4 of Parcel Map No. 1363, in the City of Carson, County of Los Angeles, State of California, as per map filed in Book 31, Page 13, of Parcel Maps, in the Office of the County Recorder of said County.

Except all oil, gas and other hydrocarbons and other minerals in, under or recoverable from said land, and the right to explore, mine, drill and operate for the same and to produce and remove the same, but without the right to enter upon the surface of said land for said purposes, as excepted by Richfield Oil Corporation, a Corporation, in deed recorded June 14, 1960, as Instrument No. 1384, in Book D-877, Page 131, Official Records.

Also except all oil, gas and other hydrocarbon substances and all other minerals in, under or recoverable from said land, and the right to explore, mine, drill and operate for the same to produce and remove same, but without the right to enter upon the surface of said land for said purpose, as excepted in the deed from Richfield Oil Corporation, a Corporation, recorded June 22, 1964, as Instrument No. 5314, in Book D-2519, Page 270, Official Records.

Also excepting all oil, gas and other hydrocarbon substances and all other minerals in, under or recoverable from said real property hereinabove described, and the right to explore, mine, drill and operate for the same and to produce and remove the same, but without the right to enter upon the surface of said real property hereinabove described for said purpose, as reserved by Atlantic Richfield Company, a Pennsylvania corporation, (formerly The Atlantic Refining Company, successor to Richfield Oil Corporation, a Corporation by merger), in deed recorded July 13, 1970, as Instrument No. 3144, in Book D4770, Page 868, Official Records.

Parcel L:

That portion of the 398.11 acre lot tract allotted to Ana Josefa Dominguez DeGuyer, by Decree of Partition of the Rancho San Pedro entered in Case No. 3284, Superior Court, Los Angeles County, in the City of Carson, County of Los Angeles, State of California, being a portion of the 250 foot strip of land described in the deed from White Star Land Company, recorded in Book 2977, Page 115, Official Records, bounded by the following described lines:

Beginning at a point in the Easterly line of said 250 foot strip of land, distant Southwesterly thereon 88.02 feet from its intersection with the Southerly line of 233rd Street, 66 feet wide (formerly Wilmington Street); thence Southwesterly 707 feet along said Easterly line to a point in a curve concave to the Northwest and having a radius of 343.39 feet; thence Southwesterly along said curve 243.02 feet, more or less, to a point in a line parallel with and distant Northerly 35 feet, measured at right angles from the Southerly line of said 250 foot strip of land distant Easterly 54.93 feet along said parallel line from a point in the Easterly line of the 50 foot strip of land described in the deed to Johns-Manville Products Company, recorded in Book 21842, Page 395, Official Records, in the Office of the County Recorder of said County; thence Westerly along said parallel line 54.93 feet to said Easterly line; thence Northeasterly 935.88 feet along said last mentioned Easterly line to a point in the Southerly line of said 223rd Street; thence Easterly along said Southerly line of said street 194.04 feet; thence Southerly in a direct line 84.73 feet to the point of beginning.

Parcel M:

That portion of the 398.11 acre lot tract allotted to Ana Josefa Dominguez DeGuyer, by Decree of Partition of the Rancho San Pedro entered in Case No. 3284, Superior Court, Los Angeles County, in the City of Carson, County of Los Angeles, State of California, described as follows:

Being that certain parcel of land bounded on the North by the South line of the 25 foot parcel of land described in deed to Watson Land Company recorded in Book 15504 Page 179, of Official Records of said county;

On the South by the North line of that certain parcel of land described in deed to Johns-Mansville Products Corporation, recorded in Book 19497 Page 374 of Official Records of said county and on the Westerly prolongation of said North line;

On the West by the Westerly line of the Los Angeles County Flood Control Easement, 250 feet wide, as said easement is described and recorded in Book 19438 Page 355 of Official Records of said county and

On the East by the Westerly line of Pacific Electric Land Company, strip of land, 250 feet wide, as described in deed Recorded in Book 2845 Page 356, of Official Records of said county.

Said land is shown and described as Lot C, under Certificate of Compliance, recorded December 24, 2007, as Instrument No. 2007-2824658, of Official Records.

Except therefrom that portion of said land described as Lots A and B, under Certificate of Compliance, recorded December 24, 2007, as Instrument No. 2007-2824658, of Official Records.

The above described land is a portion of and shown as Parcel M of "Notice of Lot Merger No. 253-11 – Certificate of Compliance", recorded December 14, 2012, as Instrument No. 20121936995, of Official Records.

Exhibit A-2 to Grant Deed

Legal Description
(Atlantic Richfield Company)

Lot 1 of Tract No. 10844, in the City of Carson, County of Los Angeles, State of California, as per map recorded in Book 301, Pages 37, 38 and 39 of Maps, in the Office of the County Recorder of said County.

Except that portion of said land described in the deed to Los Angeles County Flood Control District, a body corporate and politic, recorded October 9, 1961, as Instrument No. 4182, Official Records.

Also except that portion of said land described in the deed to Los Angeles County Flood Control District, a body corporate and politic, recorded July 14, 1970, as Instrument No. 2618, of Official Records.

Also except that portion of said land described in the deed to Stauffer Chemical Company, a Delaware Corporation, recorded December 21, 1973, as Instrument No. 279, of Official Records.

Also except that portion of said land described in the deed to the County of Los Angeles, recorded July 24, 1995, as Instrument No. 95-1197702, of Official Records.

Also except that portion of said land described in the deed to BP West Coast products LLC, a Delaware limited liability company, recorded February 22, 2002, as Instrument No. 02-0419284, of Official Records.

Also except that portion of said land described in the Quitclaim Deed to the Los Angeles County Flood Control District, a body corporate and politic, recorded June 26, 2003, as Instrument No. 03-1836063, of Official Records.

Exhibit B to Grant Deed

Environmental Restrictions

1. Background Information: Purpose and Intent. Certain Hazardous Substances (as defined in Paragraph 2 below), may be present at, on and underneath the Property. Grantor and Grantee agree that (i) the terms of this Exhibit B (the "Environmental Restrictions") are necessary to protect present and future human health and safety and the environment and (ii) the Environmental Restrictions are a covenant running with the land as provided in California Civil Code Section 1471 and other applicable law.

2. Definitions. As used herein, "Hazardous Substances" means (i) any chemicals, materials or substances in any form, whether solid, liquid, gaseous, semisolid, or any combination thereof, whether waste materials, raw materials, chemicals, finished products, by-products, or any other materials or articles, which are listed, defined or otherwise designated as hazardous, toxic or dangerous under Environmental Law (as defined below), including asbestos, and lead-containing paints or coatings, (ii) any petroleum, petroleum derivatives, petroleum products or by-products of petroleum refining or any oxygenate in any fuel, Released (as defined below) into the environment, and (iii) any other chemical, substance or waste that is regulated by Environmental Laws. "Environmental Law" or "Environmental Laws" as used herein means all federal, state and local laws (including common law) relating to the protection of natural resources, wildlife, human health, safety or well being, property, the environment or workplace health or safety, including the Comprehensive Environmental Response, Compensation, and Liability Act of 1980, as amended, 42 U.S.C. §§ 9601 et seq. ("CERCLA"), the Resource Conservation and Recovery Act of 1976, as amended, 42 U.S.C. §§ 6901 et seq., the Clean Air Act, as amended, 42 U.S.C. §§ 7401 et seq., the Emergency Planning and Community Right-to-know Act, as amended, 42 U.S.C. §§ 11001 et seq., the Federal Water Pollution Control Act, as amended, 33 U.S.C. §§ 1251 et seq., the Oil Pollution Act of 1990, 33 U.S.C. §§ 2701 et seq., the Occupational Safety and Health Act of 1970, 29 U.S.C. §§ 651 et seq., applicable underground storage tank system laws, including California Health & Safety Code §§ 25280, et seq., and California Health & Safety Code Section 25359.7. "Released" as used herein shall have the meaning set forth in Environmental Laws, including CERCLA and any analogous state law, statute, code, regulation, rule, injunction, judgment, ordinance, order, decree, ruling, charge, permit, or other restriction), but does not include migration or movement of Hazardous Substances already present in the environment.

3. Successors Bound. The Environmental Restrictions are and shall be binding on Grantee and all successive owners of the Property. Every person who now or hereafter owns, occupies or acquires any right, title, or interest in or to the Property is and shall be conclusively deemed to have consented and agreed to the Environmental Restrictions, whether or not any reference to this Deed is contained in the instrument by which such person acquired an interest in the Property.

4. Beneficiary of Environmental Restrictions. The Environmental Restrictions are for the benefit of, and shall be enforceable by, Grantor and Grantor's successors and assigns and Grantee and Grantee's successors and assigns.

5. Prohibited Uses. The Property shall not be used or occupied (if used or occupied at all) for residential purposes, and additionally, no part of the Property shall be used for the purpose of operating a child care or elder care facility, a nursing home facility or hospice, a medical or dental facility, a school, a church or other place of worship, a park, jail, a juvenile detention center, a hotel, motel, or other lodging facility, zoo, animal shelter, animal treatment or care facility, kennel, horse boarding or riding stable, food processing facility, greenhouse, plant nursery, farm or livestock housing, overnight camping, recreational vehicle park, swimming, fishing, hunting or trapping, dry cleaners or a hospital.

6. Groundwater Restriction. No water supply wells of any kind (including, without limitation, water wells used for drinking, bathing or other human consumption purposes and water wells used for livestock, farming or irrigation) shall be installed or used on the Property (collectively, the "Groundwater Exposure Restriction"); provided, however, that the Groundwater Exposure Restriction does not prohibit the installation or use of any compliance wells or any groundwater monitoring, recovery or extraction wells or similar devices used for or related to the performance of any remediation or environmental corrective action work on the Property now or in the future.

7. Excavation of Soils/Materials. Excavation of any sort shall be performed in a manner to minimize personal contact with excavated soil/materials and all excavated soil/materials shall be managed in accordance with all applicable Environmental Laws.

8. Notice of the Presence of Hazardous Substances. Prior to the sale, lease or sublease of the Property, the owner, lessor, or sublessor shall give the buyer, lessee or sublessee, as applicable, notice that Hazardous Substances are located on or beneath the Property, as required by California Health and Safety Code Section 25359.7, including any future amendments or revisions thereof.

9. Incorporation into Deeds and Leases. Without in any way limiting paragraph 3 above, the Environmental Restrictions shall be incorporated by reference in each and every deed and lease for the Property.

10. Rules of Construction. As used herein, (i) all references to the term "Property" shall be deemed to be followed by the phrase "or any portion thereof"; (ii) all references to the word "including" shall be deemed to be followed by the phrase ", without limitation,"; and (iii) the term "person" includes natural persons, corporations, partnerships, limited liability companies and any other private or public legal entity.

11. Severability. If any term or provision of the Environmental Restrictions is held by a court of competent jurisdiction to be invalid, void or unenforceable, the remainder of the terms and provisions shall continue in full force and effect.

Appendix E

Historical Research Documentation

23320 Alameda Street

23320 Alameda Street

Long Beach, CA 90810

Inquiry Number: 6645854.11

September 03, 2021

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

09/03/21

Site Name:

23320 Alameda Street
23320 Alameda Street
Long Beach, CA 90810
EDR Inquiry # 6645854.11

Client Name:

NV5
3777 Long Beach Blvd
Long Beach, CA 90807-0000
Contact: Bina Patel

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	Scale	Details	Source
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
2002	1"=500'	Acquisition Date: January 01, 2002	USGS/DOQQ
1994	1"=500'	Acquisition Date: May 31, 1994	USGS/DOQQ
1989	1"=500'	Flight Date: August 22, 1989	USDA
1981	1"=500'	Flight Date: February 21, 1981	EDR Proprietary Brewster Pacific
1977	1"=500'	Flight Date: January 18, 1977	EDR Proprietary Brewster Pacific
1963	1"=500'	Flight Date: February 28, 1963	USGS
1952	1"=500'	Flight Date: April 12, 1952	USDA
1947	1"=500'	Flight Date: June 17, 1947	FAIR
1928	1"=500'	Flight Date: January 01, 1928	FAIR

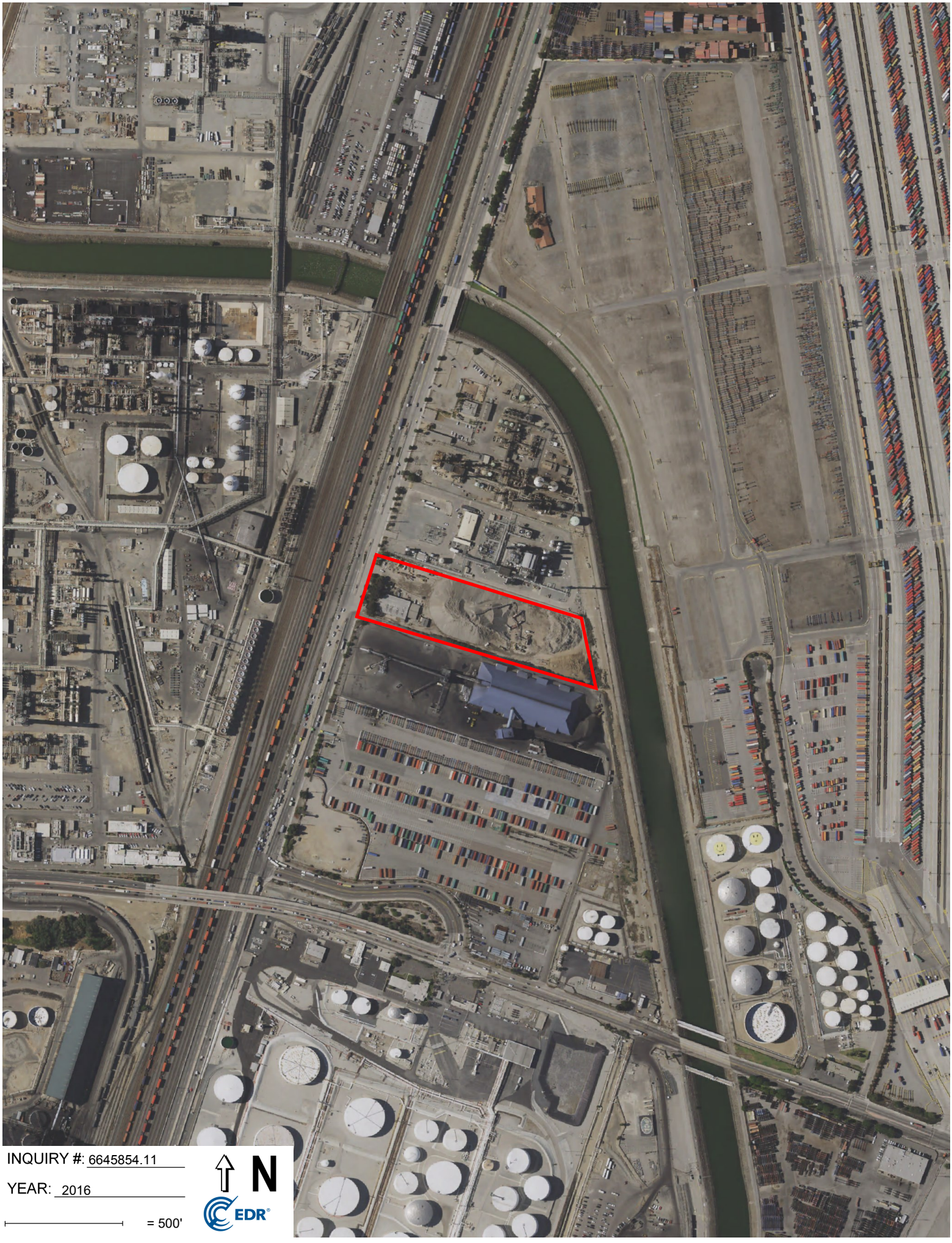
When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

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INQUIRY #: 6645854.11
YEAR: 2016
= 500'
N
EDR


INQUIRY #: 6645854.11
YEAR: 2012
= 500'
N
EDR



INQUIRY #: 6645854.11

YEAR: 2009

= 500'

N

EDR


INQUIRY #: 6645854.11
YEAR: 2005
= 500'
N
EDR



INQUIRY #: 6645854.11

YEAR: 2002

= 500'

N

EDR

Subject boundary not shown because it exceeds image extent or image is not georeferenced.


INQUIRY #: 6645854.11
YEAR: 1994
= 500'
N
EDR



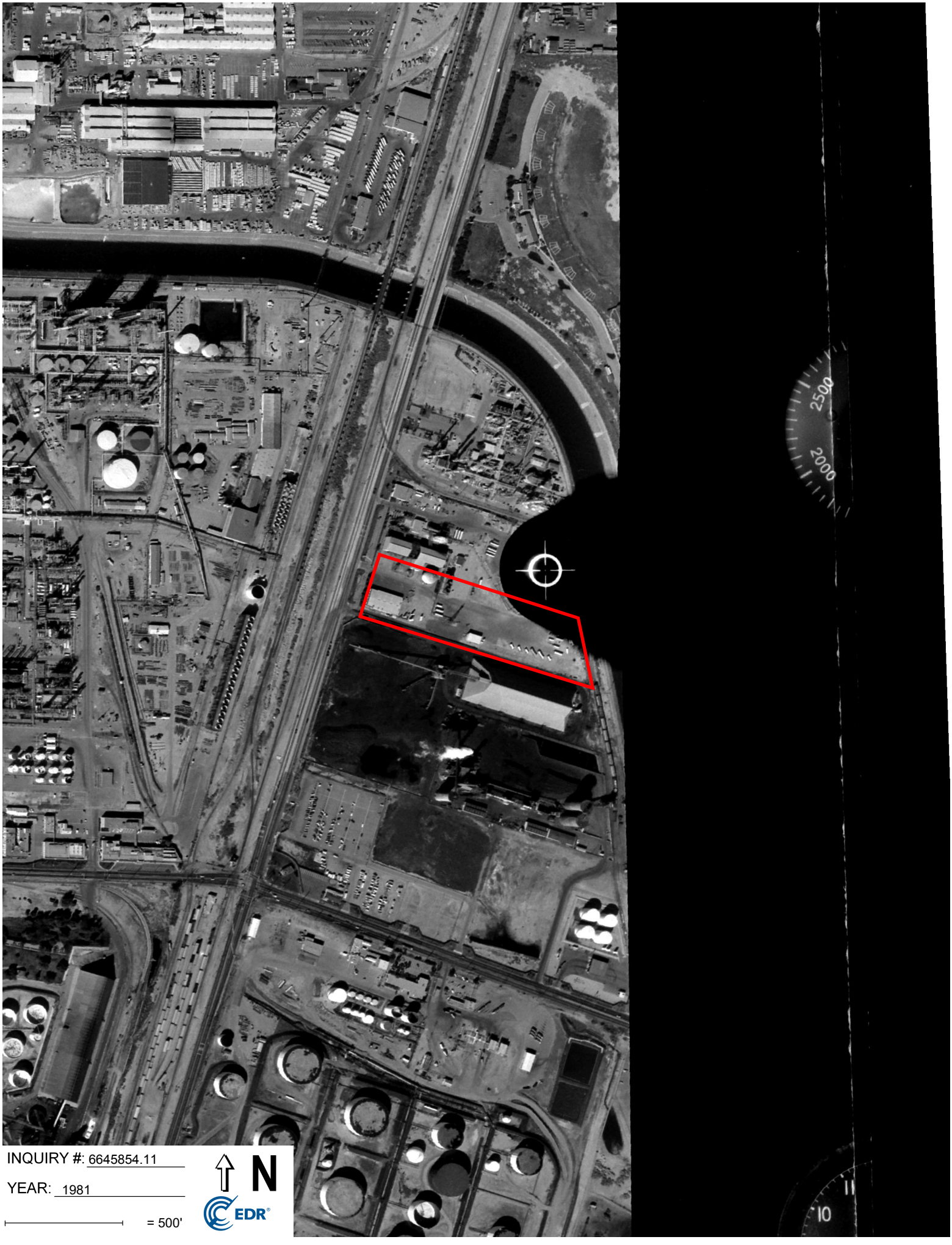
INQUIRY #: 6645854.11

YEAR: 1989

= 500'

N

EDR



INQUIRY #: 6645854.11

YEAR: 1981

= 500'

N

EDR



INQUIRY #: 6645854.11

YEAR: 1977

= 500'

N

EDR



INQUIRY #: 6645854.11

YEAR: 1963

= 500'

N

EDR



INQUIRY #: 6645854.11

YEAR: 1952

= 500'

N

EDR



INQUIRY #: 6645854.11

YEAR: 1947

= 500'

N

EDR



INQUIRY #: 6645854.11

YEAR: 1928

= 500'

N

EDR

23320 Alameda Street

23320 Alameda Street

Long Beach, CA 90810

Inquiry Number: 6645854.4

September 01, 2021

EDR Historical Topo Map Report

with QuadMatch™

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

09/01/21

Site Name:	Client Name:
23320 Alameda Street	NV5
23320 Alameda Street	3777 Long Beach Blvd
Long Beach, CA 90810	Long Beach, CA 90807-0000
EDR Inquiry # 6645854.4	Contact: Bina Patel

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by NV5 were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:		*Coordinates:*	
P.O.#	NA	**Latitude:**	33.811482 33° 48' 41" North
Project:	TNSK-21-10392	**Longitude:**	-118.231361 -118° 13' 53" West
		UTM Zone:	Zone 11 North
		UTM X Meters:	386032.53
		UTM Y Meters:	3741935.33
		Elevation:	21.00' above sea level

Maps Provided:

2012	1930
1981	1923, 1924
1972	1902
1964	1899
1949, 1951	1896
1947, 1948	
1943	
1942	

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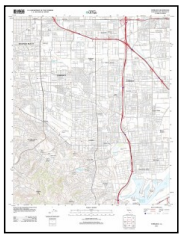
Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2012 Source Sheets

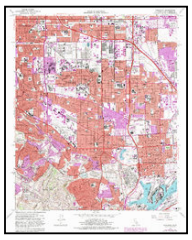


Long Beach
2012
7.5-minute, 24000



Torrance
2012
7.5-minute, 24000

1981 Source Sheets



Torrance
1981
7.5-minute, 24000
Aerial Photo Revised 1978



Long Beach
1981
7.5-minute, 24000
Aerial Photo Revised 1978

1972 Source Sheets



Long Beach
1972
7.5-minute, 24000
Aerial Photo Revised 1972

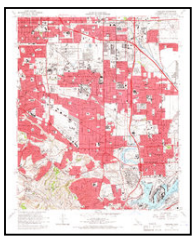


Torrance
1972
7.5-minute, 24000
Aerial Photo Revised 1972

1964 Source Sheets



Long Beach
1964
7.5-minute, 24000
Aerial Photo Revised 1963



Torrance
1964
7.5-minute, 24000
Aerial Photo Revised 1963

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1949, 1951 Source Sheets

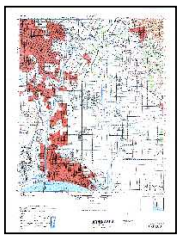


Long Beach
1949
7.5-minute, 24000



Torrance
1951
7.5-minute, 24000
Aerial Photo Revised 1947

1947, 1948 Source Sheets

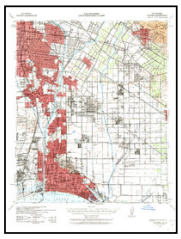


DOWNEY
1947
15-minute, 50000



REDONDO
1948
15-minute, 50000

1943 Source Sheets



Downey
1943
15-minute, 62500
Aerial Photo Revised 1939

1942 Source Sheets



Downey
1942
15-minute, 62500

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1930 Source Sheets



Compton
1930
7.5-minute, 24000

1923, 1924 Source Sheets



Wilmington
1923
7.5-minute, 24000



Compton
1924
7.5-minute, 24000

1902 Source Sheets



Downey
1902
15-minute, 62500

1899 Source Sheets



Downey
1899
15-minute, 62500

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1896 Source Sheets



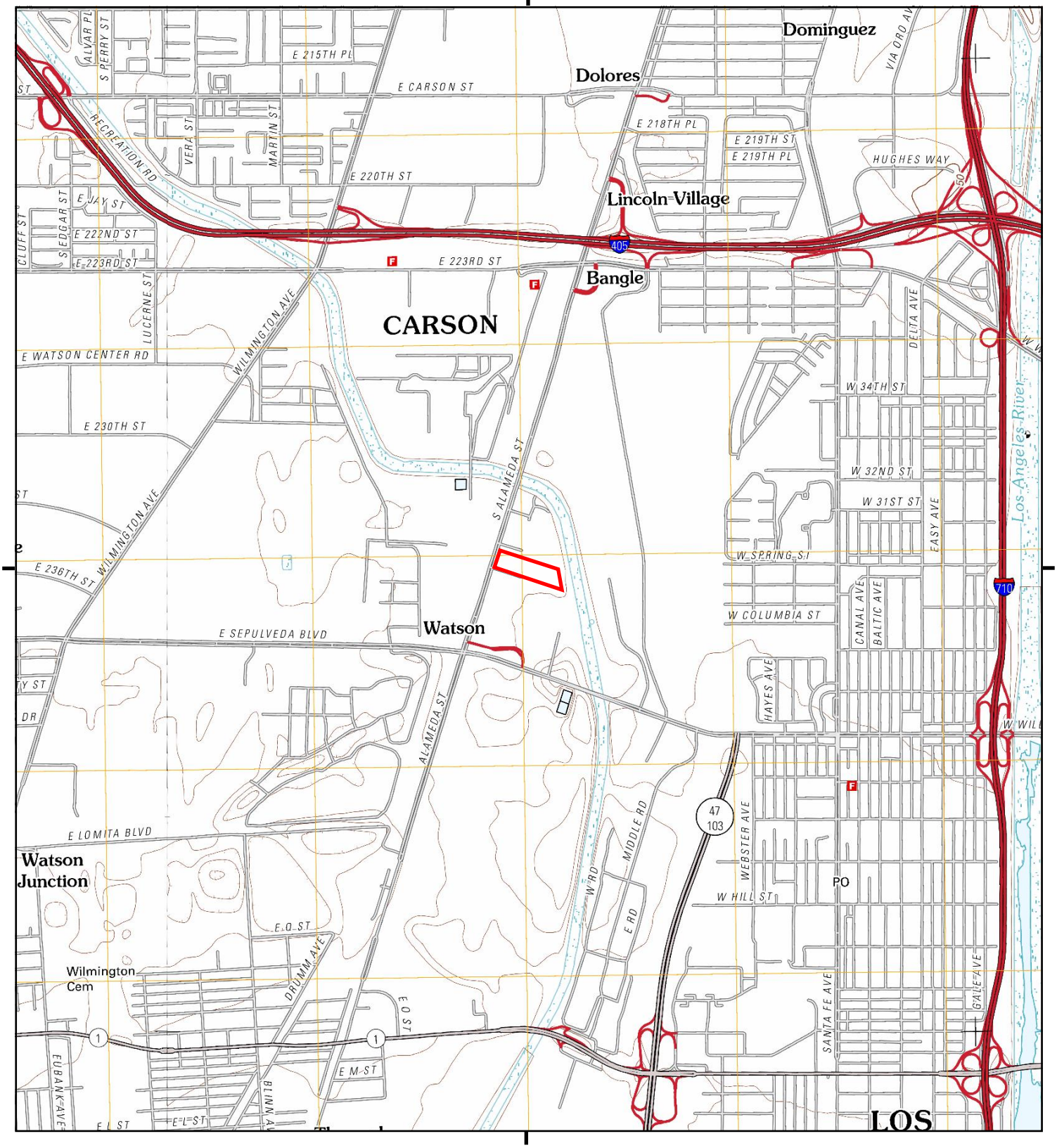
Downey
1896
15-minute, 62500



Redondo
1896
15-minute, 62500

Historical Topo Map

2012



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

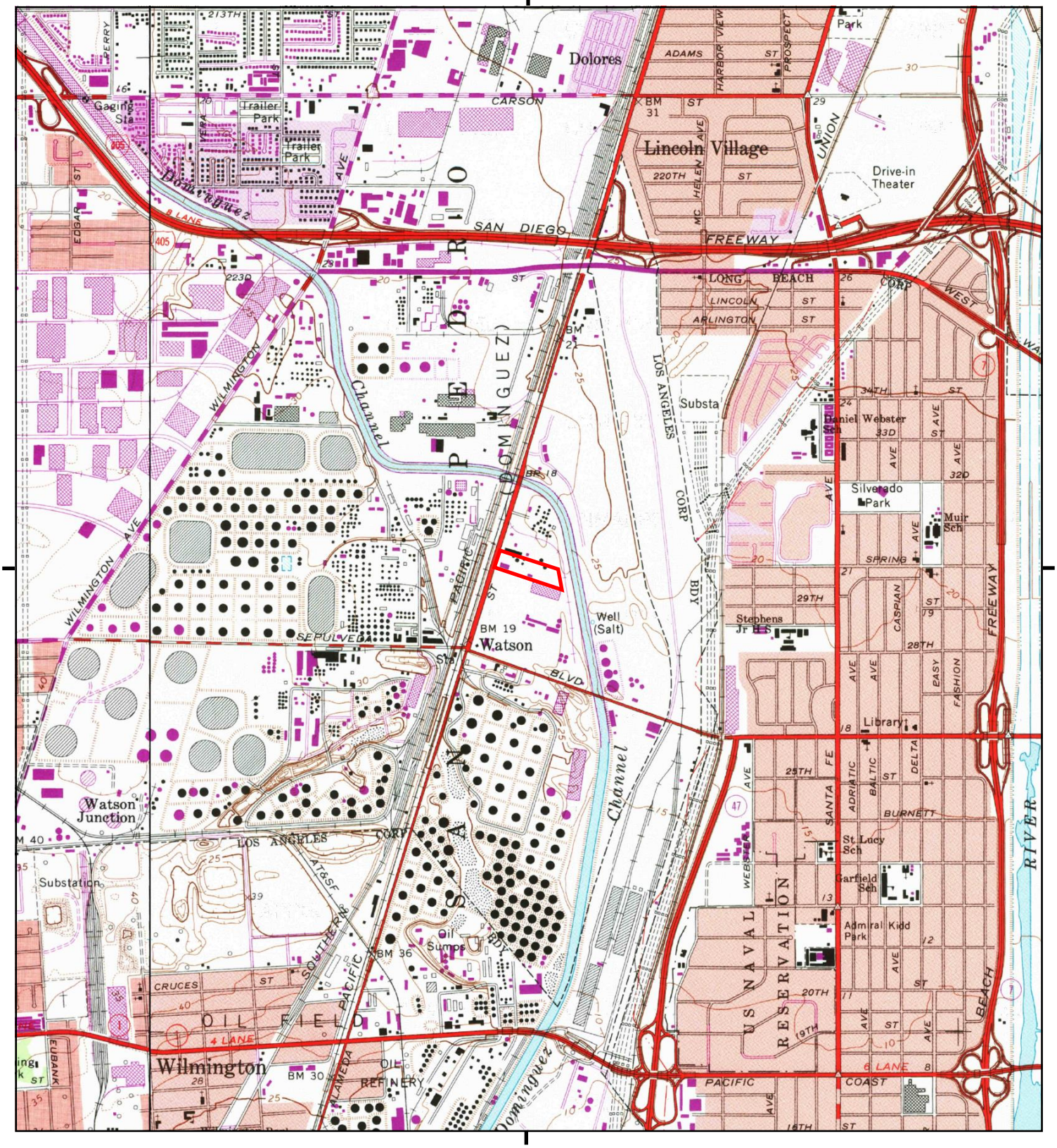
TP, Long Beach, 2012, 7.5-minute
W, Torrance, 2012, 7.5-minute

SITE NAME: 23320 Alameda Street
ADDRESS: 23320 Alameda Street
Long Beach, CA 90810
CLIENT: NV5

N

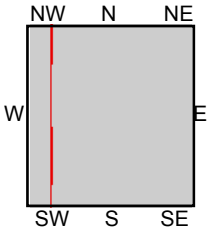
Historical Topo Map

1981



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0 Miles 0.25 0.5 1 1.5



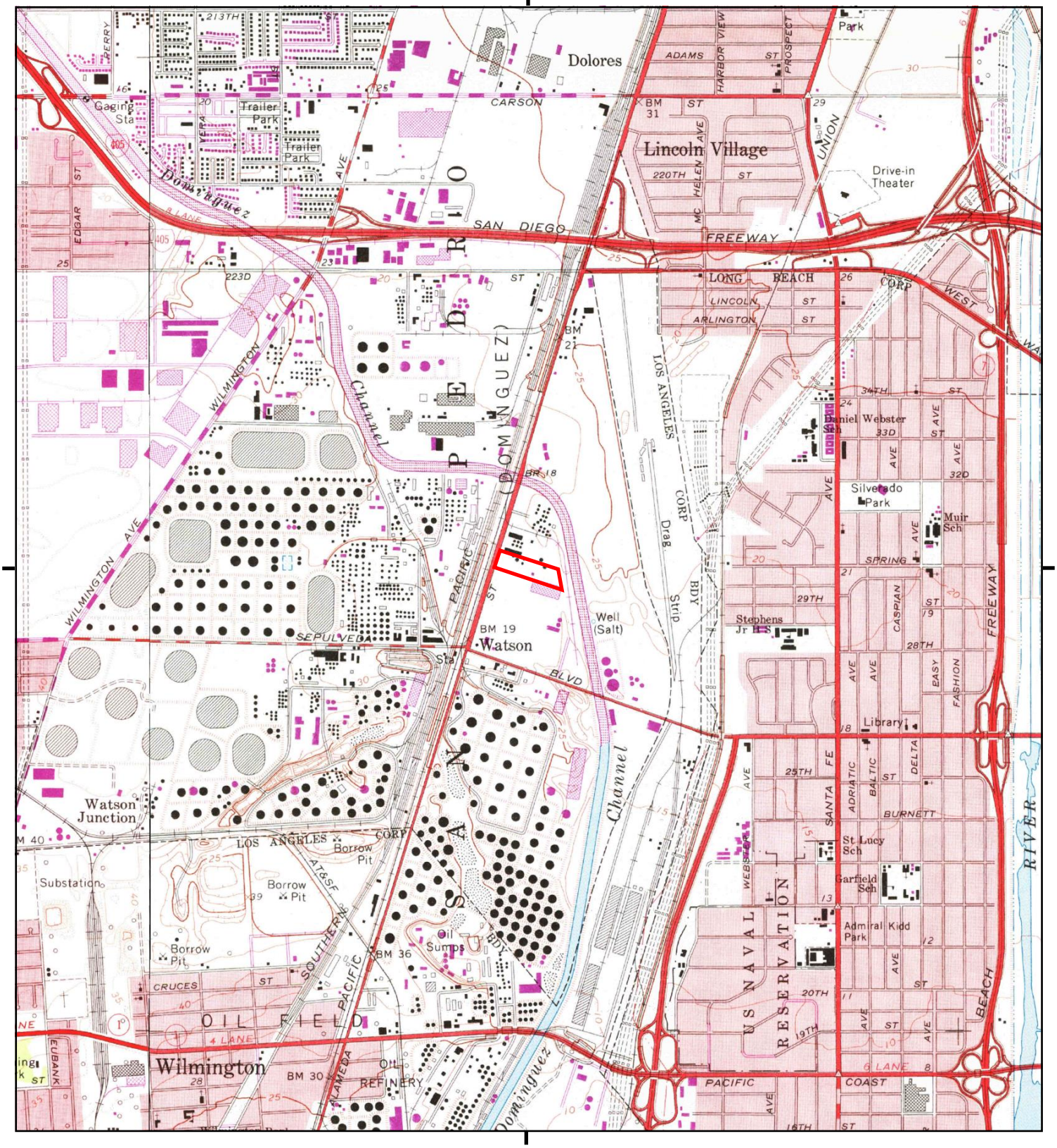
TP, Long Beach, 1981, 7.5-minute
W, Torrance, 1981, 7.5-minute

SITE NAME: 23320 Alameda Street
ADDRESS: 23320 Alameda Street
Long Beach, CA 90810
CLIENT: NV5

N

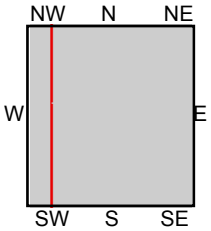
Historical Topo Map

1972



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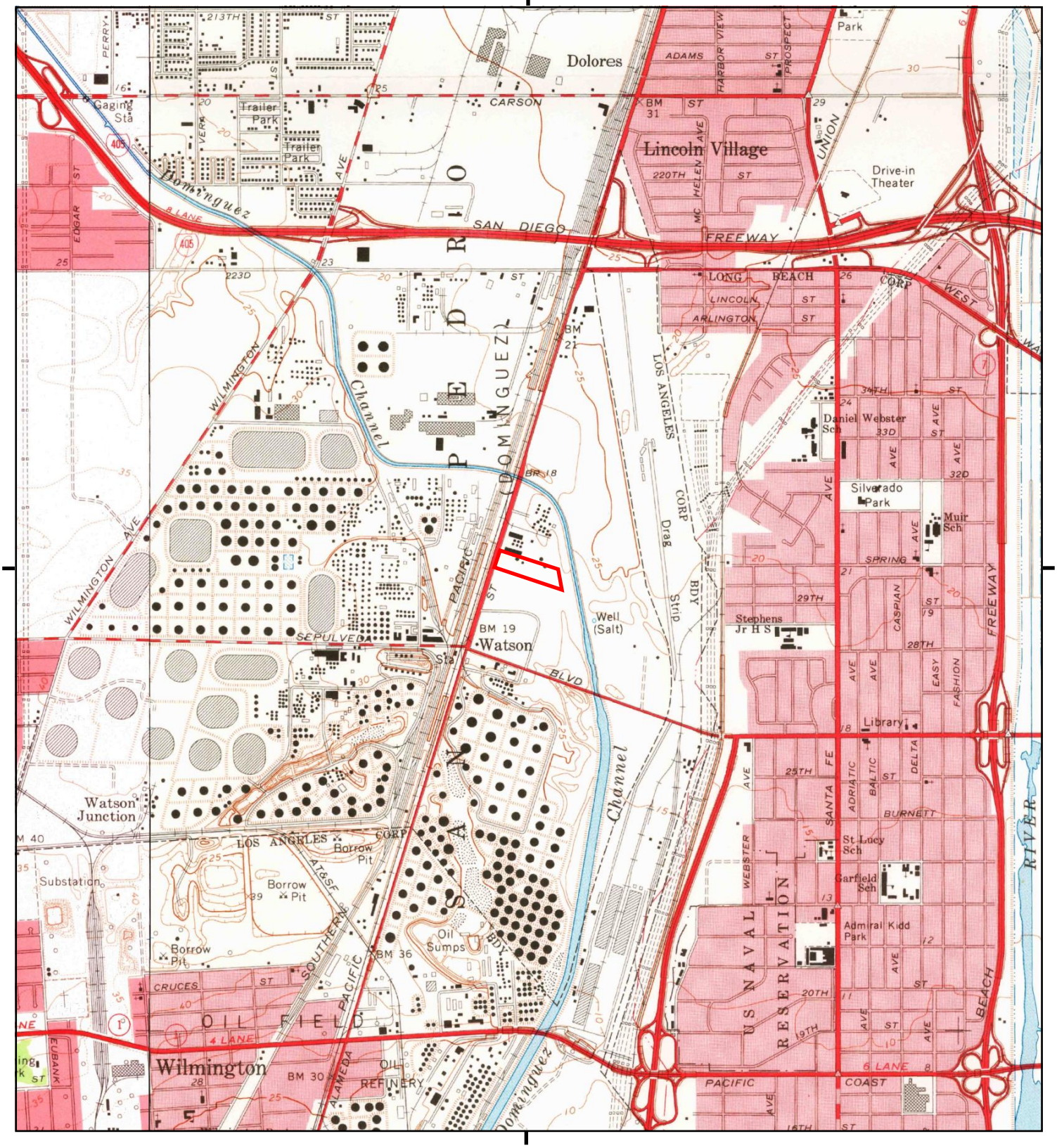
0 Miles 0.25 0.5 1 1.5



TP, Long Beach, 1972, 7.5-minute
W, Torrance, 1972, 7.5-minute

SITE NAME: 23320 Alameda Street
ADDRESS: 23320 Alameda Street
Long Beach, CA 90810
CLIENT: NV5

N



This report includes information from the following map sheet(s).

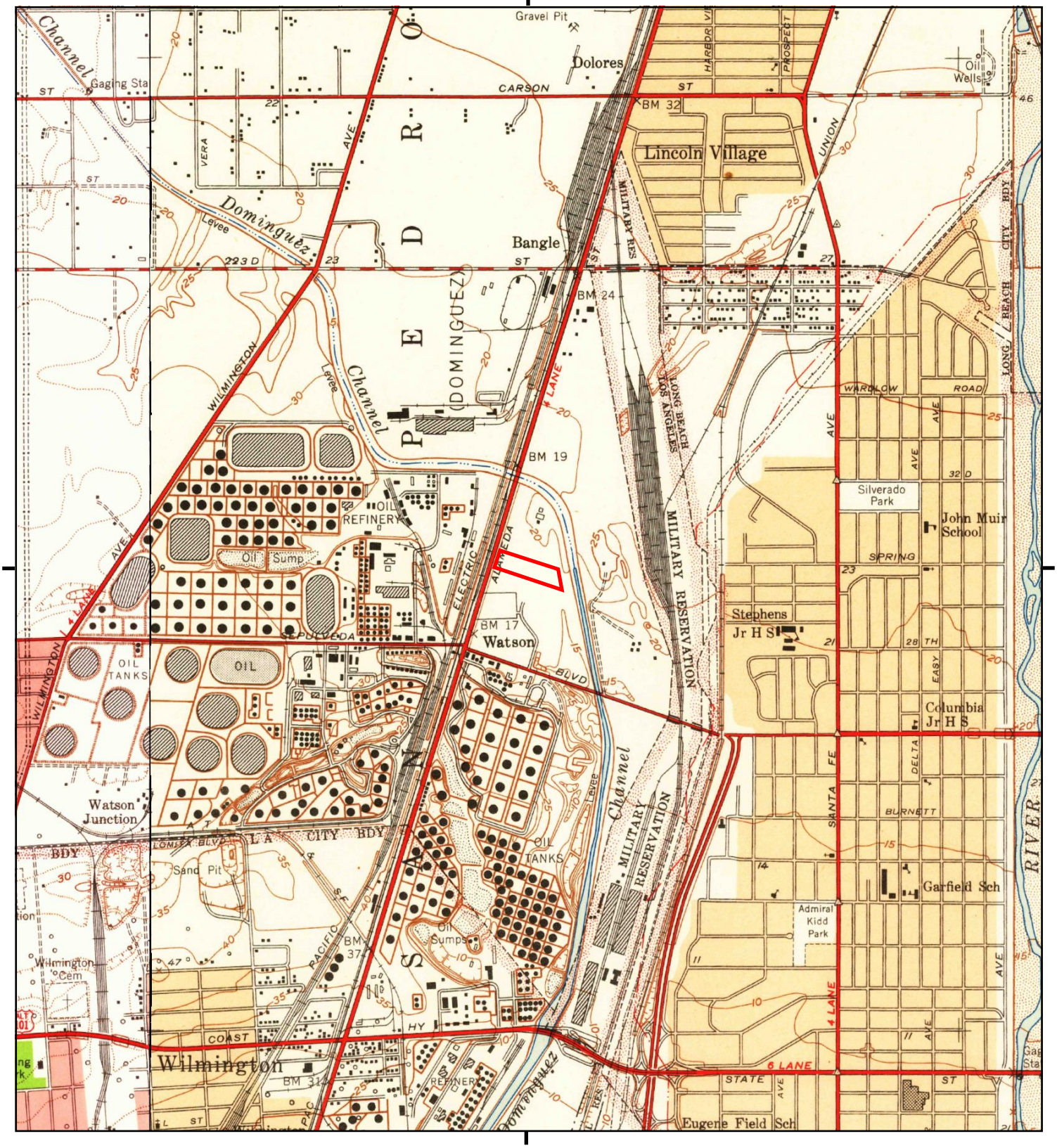
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Long Beach, 1964, 7.5-minute
W, Torrance, 1964, 7.5-minute

SITE NAME: 23320 Alameda Street
ADDRESS: 23320 Alameda Street
Long Beach, CA 90810
CLIENT: NV5

N



This report includes information from the following map sheet(s).

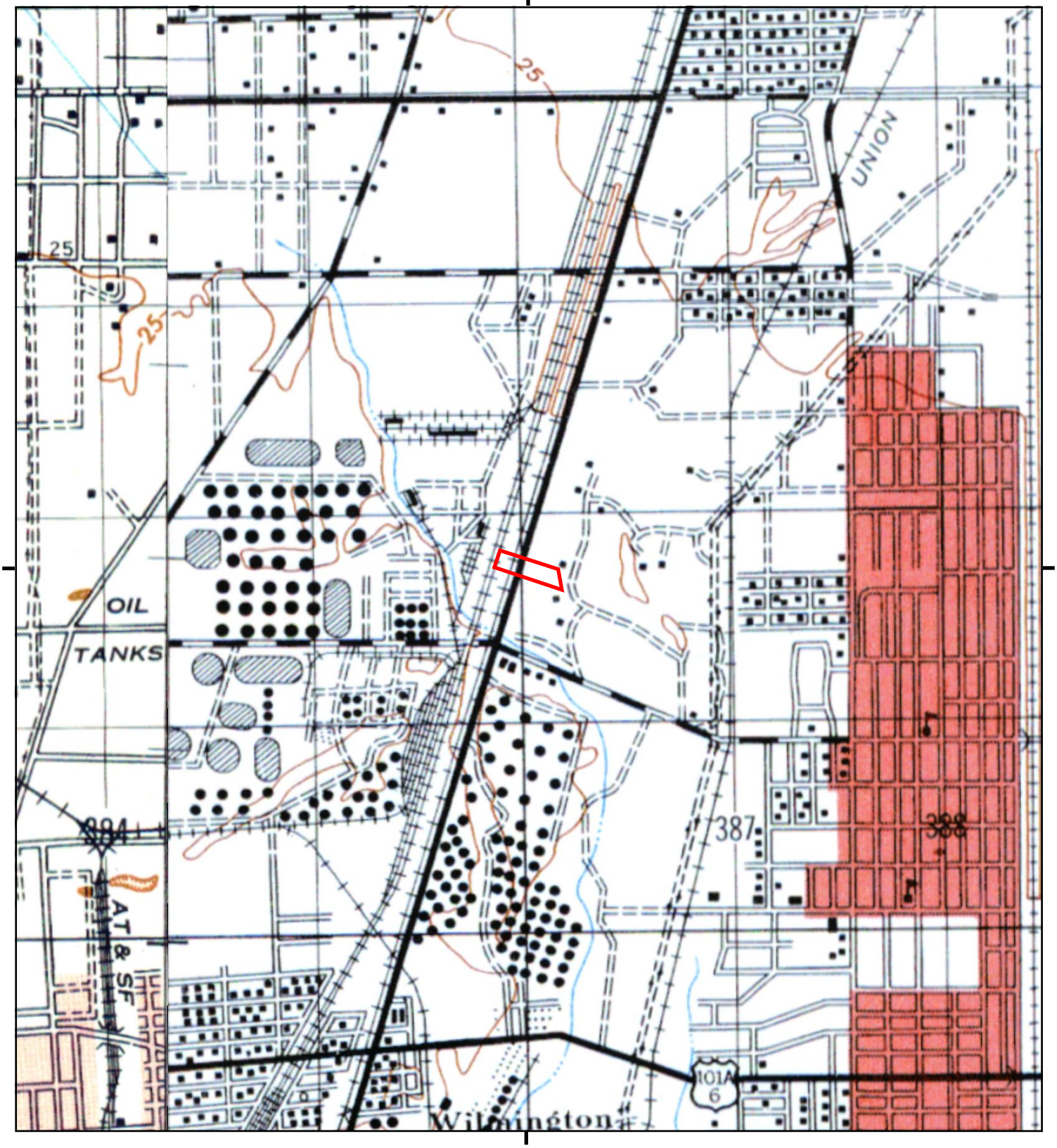
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Long Beach, 1949, 7.5-minute
W, Torrance, 1951, 7.5-minute

SITE NAME: 23320 Alameda Street
ADDRESS: 23320 Alameda Street
Long Beach, CA 90810
CLIENT: NV5

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

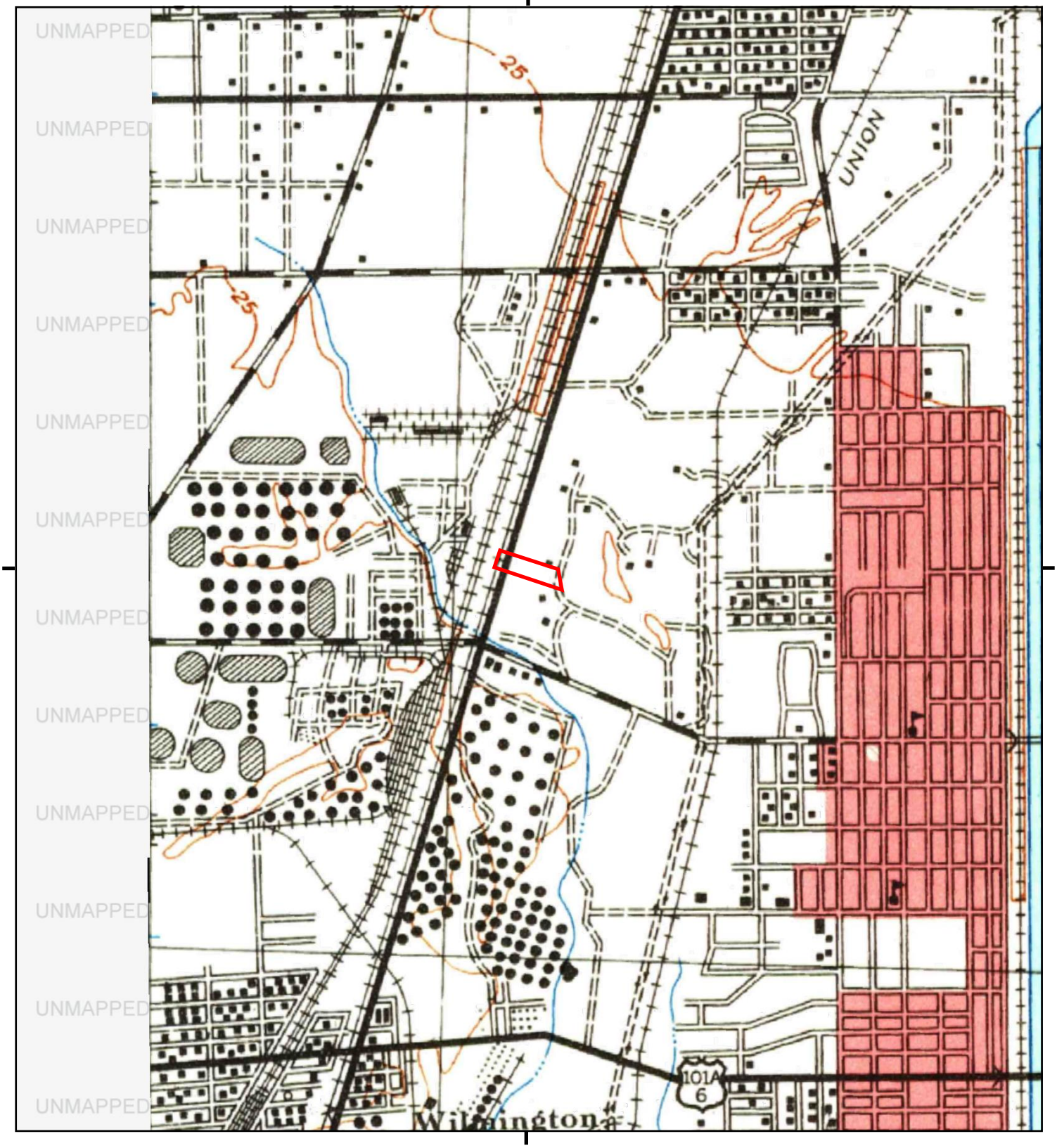
TP, DOWNEY, 1947, 15-minute
NW, REDONDO, 1948, 15-minute

SITE NAME: 23320 Alameda Street
ADDRESS: 23320 Alameda Street
Long Beach, CA 90810
CLIENT: NV5

N

Historical Topo Map

1943



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

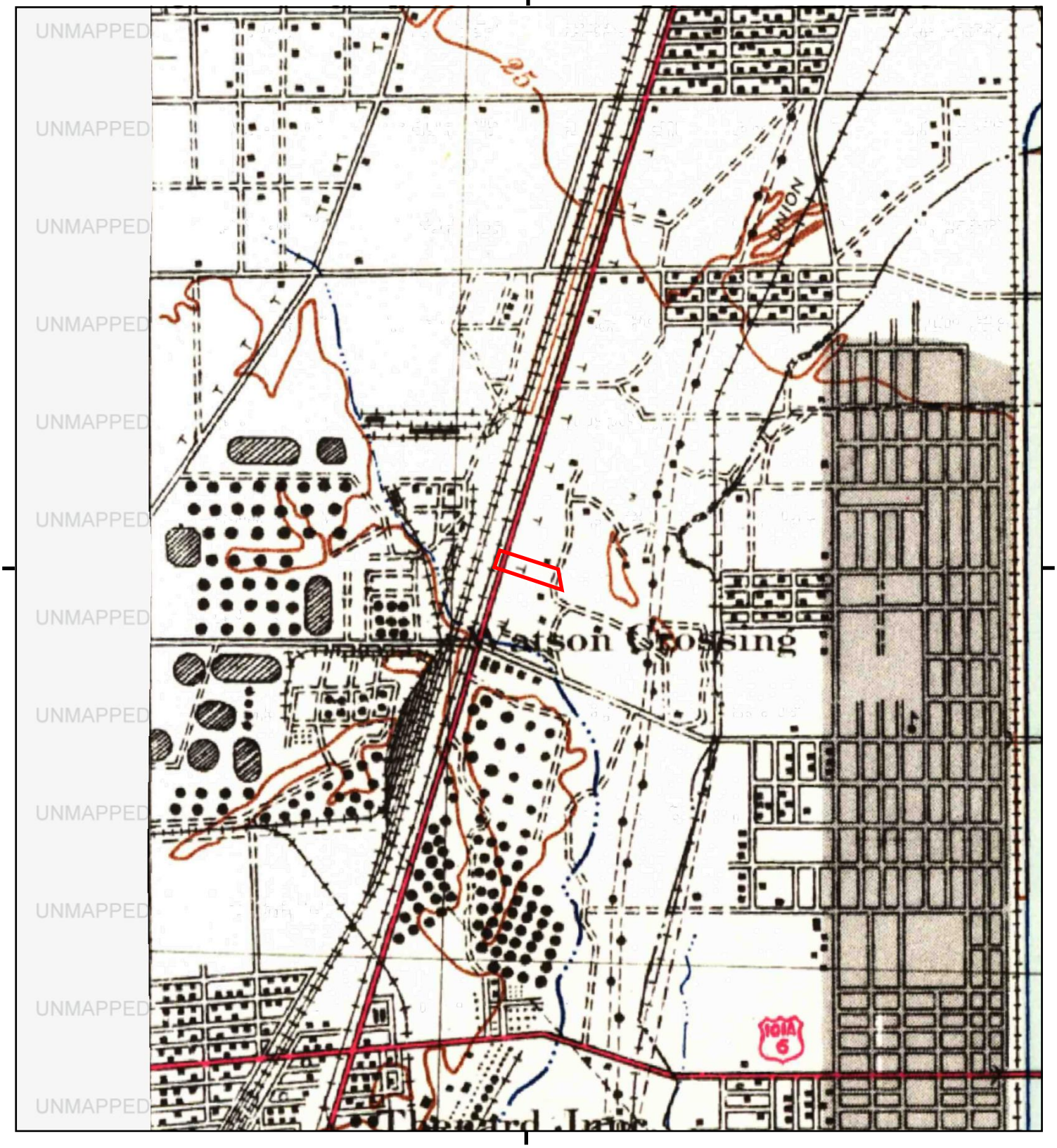
TP, Downey, 1943, 15-minute

SITE NAME: 23320 Alameda Street
ADDRESS: 23320 Alameda Street
Long Beach, CA 90810
CLIENT: NV5

N

Historical Topo Map

1942



This report includes information from the following map sheet(s).

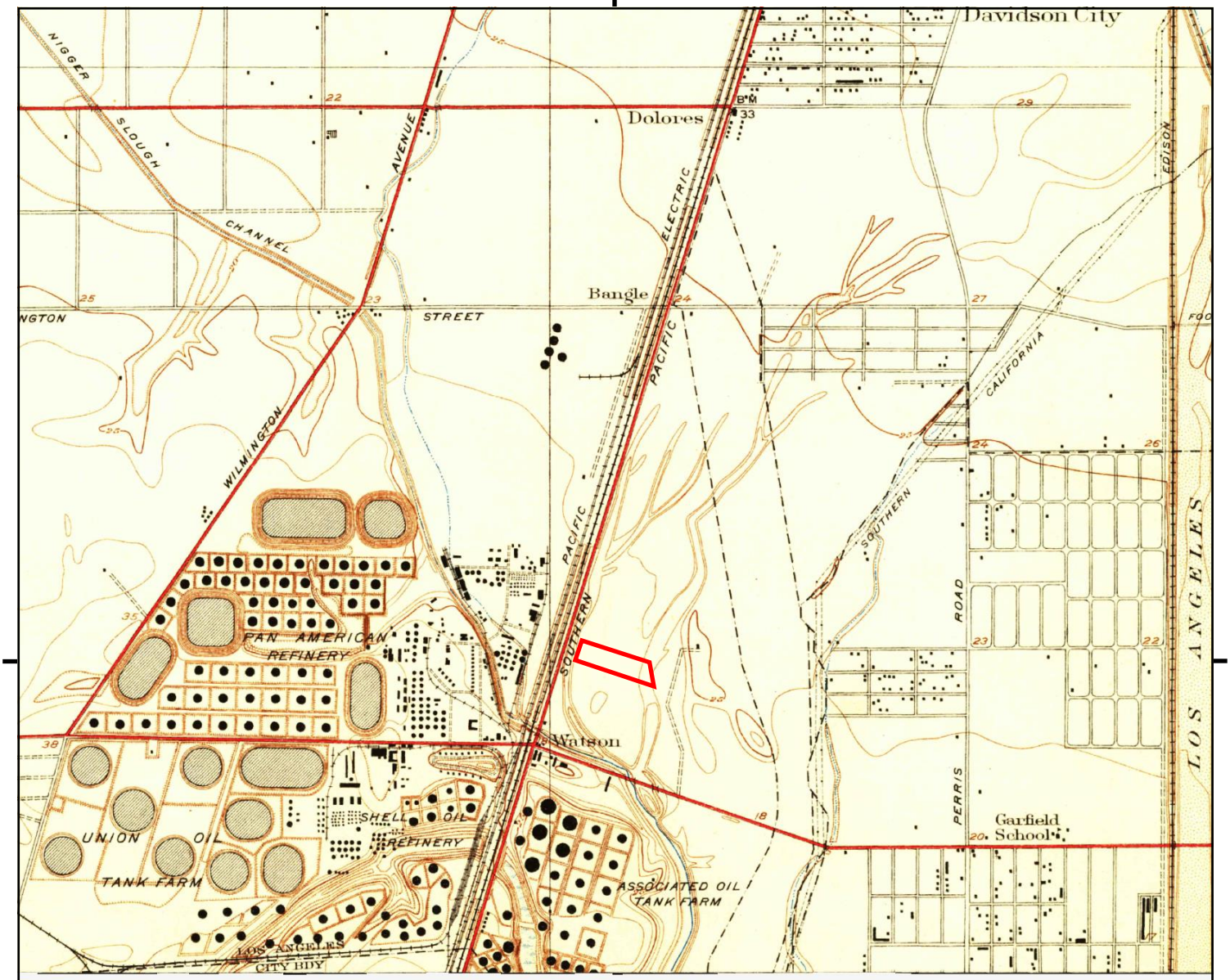
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Downey, 1942, 15-minute

SITE NAME: 23320 Alameda Street
ADDRESS: 23320 Alameda Street
Long Beach, CA 90810
CLIENT: NV5

N



UNMAPPED

This report includes information from the following map sheet(s).

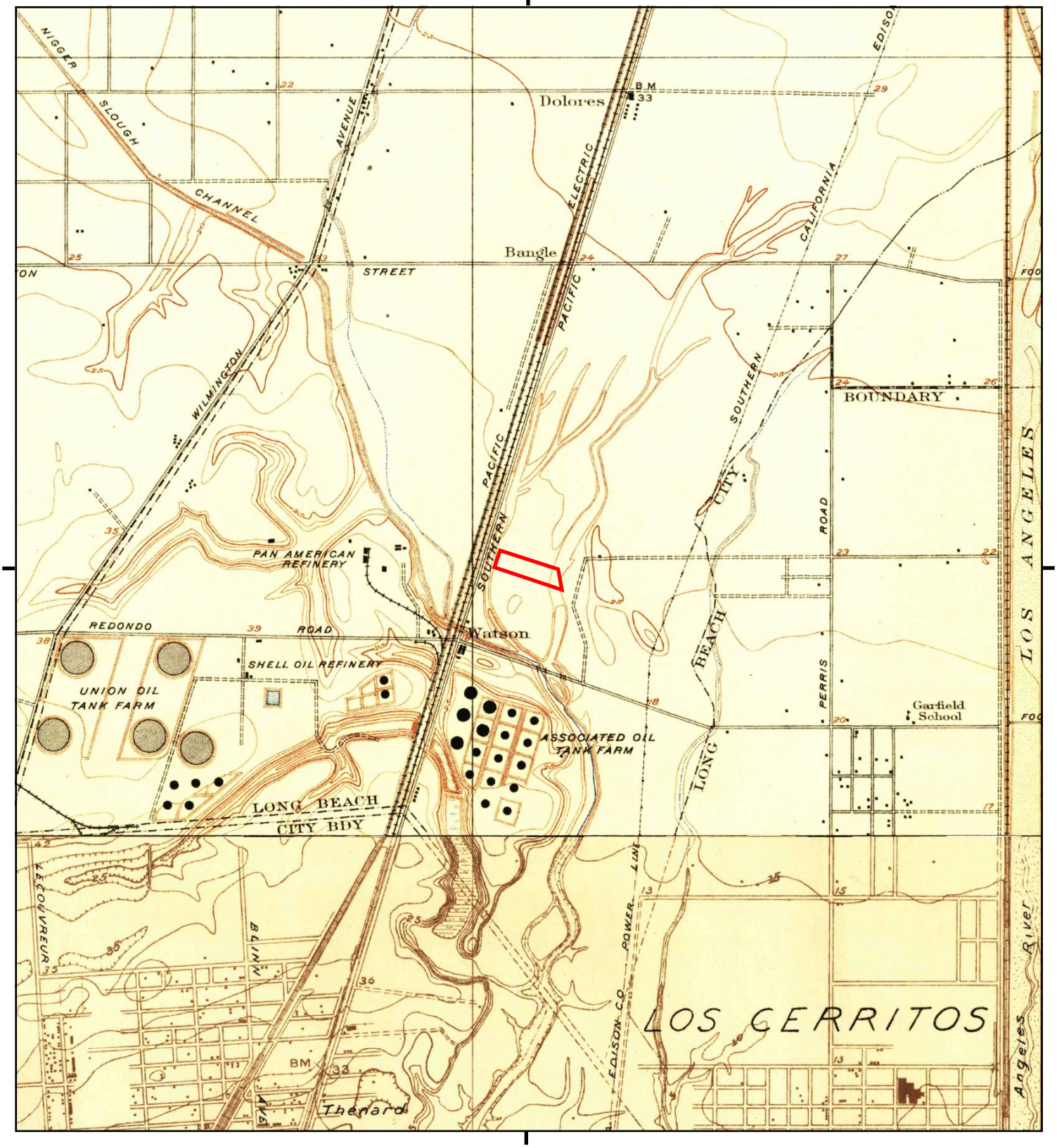
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Compton, 1930, 7.5-minute

SITE NAME: 23320 Alameda Street
ADDRESS: 23320 Alameda Street
Long Beach, CA 90810
CLIENT: NV5

N



This report includes information from the following map sheet(s).

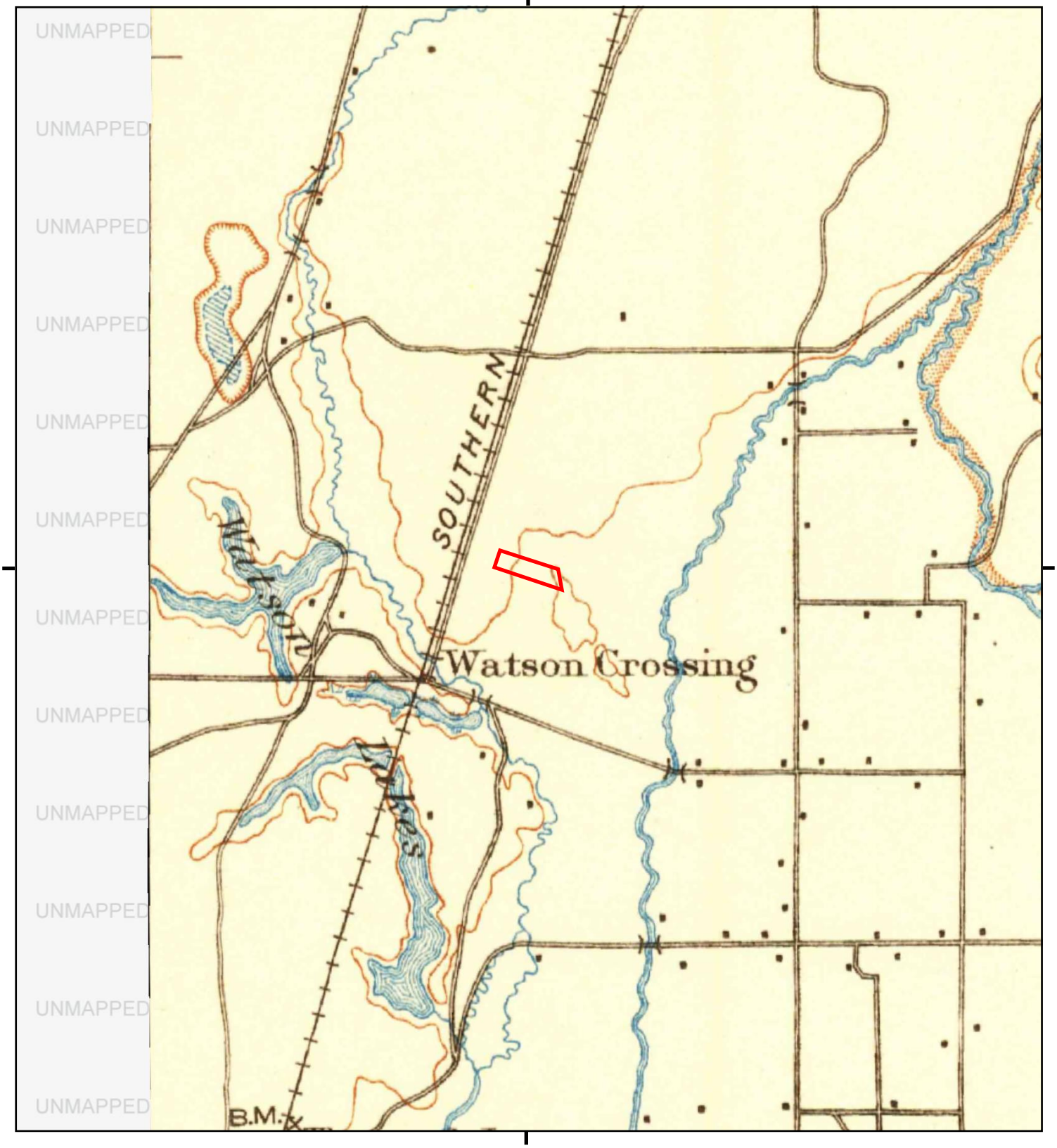
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Compton, 1924, 7.5-minute
S, Wilmington, 1923, 7.5-minute

SITE NAME: 23320 Alameda Street
ADDRESS: 23320 Alameda Street
Long Beach, CA 90810
CLIENT: NV5

N



This report includes information from the following map sheet(s).

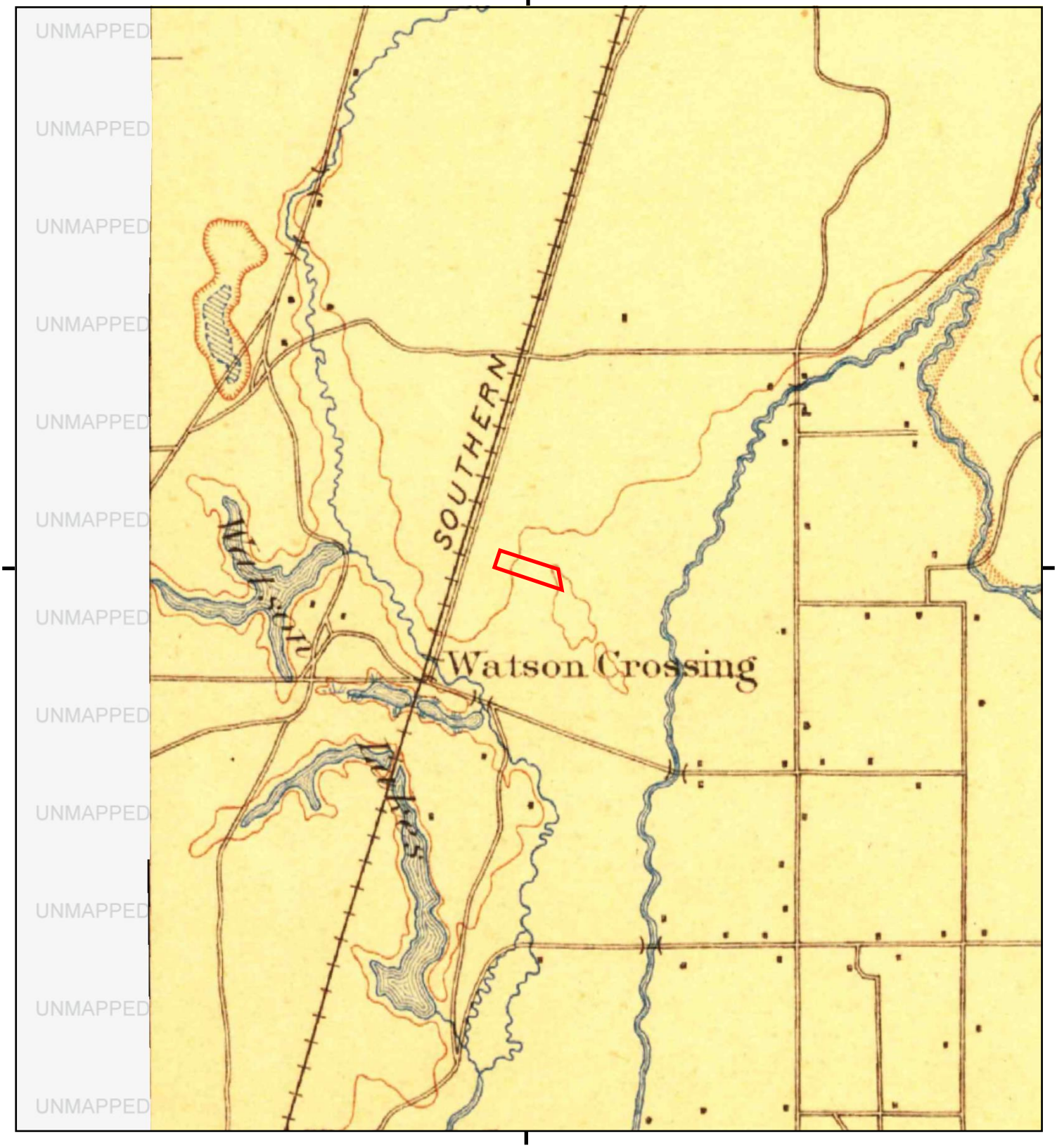
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Downey, 1902, 15-minute

SITE NAME: 23320 Alameda Street
ADDRESS: 23320 Alameda Street
Long Beach, CA 90810
CLIENT: NV5

N



This report includes information from the following map sheet(s).

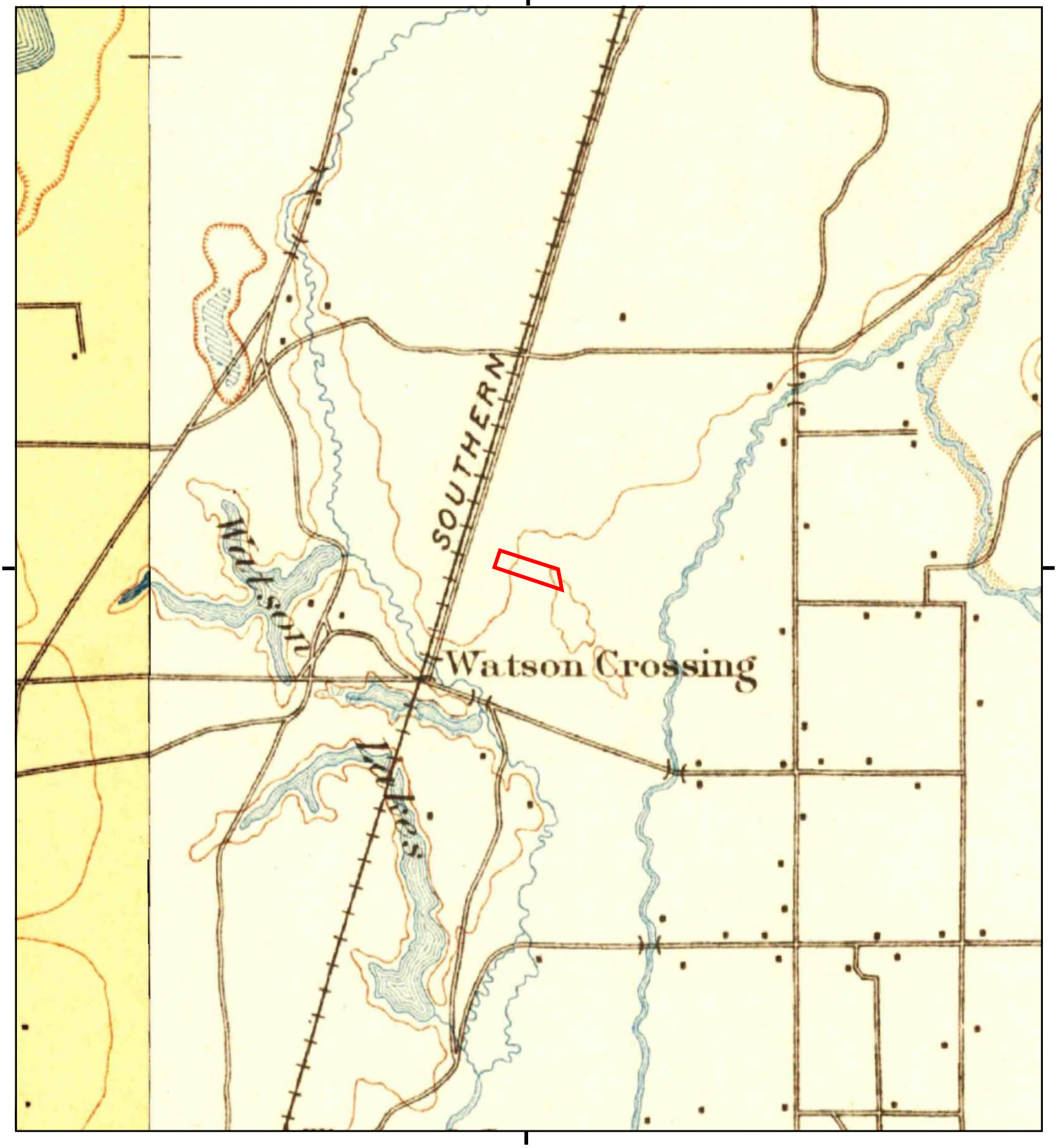
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Downey, 1899, 15-minute

SITE NAME: 23320 Alameda Street
ADDRESS: 23320 Alameda Street
Long Beach, CA 90810
CLIENT: NV5

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Downey, 1896, 15-minute
NW, Redondo, 1896, 15-minute

SITE NAME: 23320 Alameda Street
ADDRESS: 23320 Alameda Street
Long Beach, CA 90810
CLIENT: NV5

N

23320 Alameda Street

23320 Alameda Street

Long Beach, CA 90810

Inquiry Number: 6645854.3

September 01, 2021

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

09/01/21

Site Name:	Client Name:
23320 Alameda Street	NV5
23320 Alameda Street	3777 Long Beach Blvd
Long Beach, CA 90810	Long Beach, CA 90807-0000
EDR Inquiry # 6645854.3	Contact: Bina Patel

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The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # C51E-499A-94A2

PO # NA

Project TNSK-21-10392

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

Sanborn® Library search results

Certification #: C51E-499A-94A2

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

The Sanborn Library LLC Since 1866™

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Appendix F

Interview Documentation

ALTA ENVIRONMENTAL

3777 LONG BEACH BLVD, ANNEX BLDG. LONG BEACH CA 90807 altaenviron.com o.562.495.5777 f.562.495.5877

PHASE I ESA QUESTIONNAIRE

ASTM E-1527-13 provides Landowner Liability Protections to purchasers of commercial property if All Appropriate Inquiry (AAI) is completed during property acquisition. The answers to the questions below provide information to the Environmental Professional to assist the User of the referenced Phase I ESA to comply with the User Responsibilities of AAI.

Property Description			
Property Address:	23320 Alameda Street, Carson, CA 90810		
Current Occupant:	Loveco Construction Inc		
Current Owner:	Tesoro Marketing & Refining Company	Phone:	562-495-6951
Site Contact:	Colin Foutz	Phone:	
Potable Water Provider:	Unknown		
Electricity Provider:	SCE		
Natural Gas Provider:	Unknown		
Sanitary Sewer Provider:	Unknown		
Solid Waste Disposal Provider:	Unknown		
Hazardous Waste Disposal:	Unknown		
Reason for Performing ESA	Due diligence in advance of long-term lease		

Are you aware of any environmental liens that have been filed or recorded under Federal State, local or tribal law? If yes provide details.
□ Yes ☒ No

Are you aware of any activity or land use limitations (AULs), engineering controls or land use limitations that have been filed or recorded under Federal, State, Local or Tribal Law? If yes, provide details.
□ Yes ☒ No

Do you have any specialized knowledge of the property or experience related to the subject property or nearby properties so that you would have knowledge of chemicals or processes used at the property? If yes, provide details.
□ Yes ☒ No

Is the acquisition price differing from the fair market value of the property?
□ Yes ☒ No
If there is a difference, have you considered a lower price is due to contamination known or believed to be present at the property? Please provide details.
□ Yes ☒ No

As the user of this ESA, based on your knowledge and experience with the property, are there any obvious indications of the presence or likely presence of contamination at the property? If yes, provide details.
□ Yes ☒ No

Are you aware of any information that would help the environmental professional identify conditions indicative of releases or potential releases, including past uses of the property, uses of chemicals at the property, or environmental cleanups that have taken place at the property? If yes, provide details.
□ Yes ☒ No

Do you know of any pending, past or threatened litigation or administrative proceedings related to hazardous substances or petroleum products on, in or from the property or any notices regarding possible violations of environmental laws or possible liability related to hazardous substances or petroleum products? If yes, provide details.
□ Yes ☒ No

Are there any chemical storage areas or hazardous material storage areas located at the subject property?
If yes, provide details.
□ Yes □ No Unknown, but I do not believe so

Are there any current or historical Aboveground Storage Tanks or Underground Storage Tanks? If yes, provide details.
□ Yes □ No
Unknown, but I do not believe so

Are there any current or historical wastewater treatment systems, clarifier/interceptor systems, or grease trap systems associated with the subject property? If yes, provide details.

□ Yes □ No Unknown

Are you aware of the existence or location of the following documents related to the subject property, and if yes, can copies be made available for review by the Environmental Professional?

□ Previous Environmental Site Assessment reports or Investigation reports
□ Environmental Permits
□ Registrations for underground storage tanks (USTs)
□ Spill Prevention Containment and Contingency Plans (SPCC)
□ Stormwater Pollution Prevention Plans (SWPPP)
□ Risk Assessments
□ Hydrogeologic Reports related to the property or surrounding area
□ Notices of Violation from governmental agencies regarding past or current violations of environmental laws or related to environmental liens encumbering the property
□ Hazardous waste manifests or generation reports
□ Recorded land and activity use limitations
□ Geotechnical Studies Unknown to all

Max Margolin	Upstream Energy Services
(Name- Authorized User Representative)	(Company/Title)
Max Margolin	August 23, 2021
(Signature)	(Date)

ALTA ENVIRONMENTAL

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Record of Communication

Point of Contact	**Kevin Bradley and Katerie Luka**	NV5 Representative	**Eric Fraske**
Phone No	**Teams Meeting**	Date	**10/5/2021**
Company	**Marathon Los Angeles Refinery**	Reference	**TNSK-21-10392**
		Pages	**1 of 1**
Subject	**23320 Alameda Street**		
		Time	**1:30 PM**

Mr. Bradley and Ms. Luka provided basic site history and indicated that they were not aware of any known environmental contamination, USTs, or wells at the Site. They indicated that the property of which the Site was originally associated with was subdivided in 2003 and subsequently occupied by the present-day concrete recycling facility.

Appendix G

References

REFERENCES

American Society for Testing and Materials, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM Designation: E 1527-13.

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G2 Phase I Environmental Site Assessment (Gen-Tie Route)

ENVIRONMENTAL ROUTE ASSESSMENT REPORT

Avocet Gen-Tie Route
Carson, CA 90810

PREPARED FOR:

Avocet Energy Storage, LLC
8800 N Gainey Center Dr. Suite 250
Scottsdale, AZ 85258

Project Number: TNSK-23-11457:3

Date: April 27, 2023

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EXECUTIVE SUMMARY

Alta Environmental LP, an NV5 Company (NV5) has completed an Environmental Route Assessment of the proposed Avocet Gen-Tie Route in Carson, Los Angeles County, California (Route). The purpose of this assessment was to evaluate the environmental condition of the Route to identify potential environmental concerns that might be encountered during construction of the Gen-Tie. The assessment was performed using similar methods as a conventional Phase I Environmental Site Assessment conducted in accordance with the ASTM Standard Practice E1527-21 and the EPA Standards and Practices for All Appropriate Inquiries (40 CFR Part 312).

Route and Vicinity Description

The approximately 1.25-mile Route originates on the eastern portion of the property currently occupied by the Lovco Recycling facility (a concrete recycling plant). The Route proceeds east across the Dominguez Channel, then crosses the western boundary of the Union Pacific Railroad ICTF Intermodal Transport Terminal facility (ICTF Intermodal Terminal). The Route continues east to the eastern boundary of the ICTF Intermodal Terminal and then proceeds north along the Terminal's eastern boundary. The Route then proceeds to the east along the northern boundary of the existing electrical substation where the Route terminates.

The Route is located within an area of primarily industrial/heavy transportation land use. Industrial users in the western portion of the Route include an Air Products facility and a Marathon Coke facility. After crossing the Dominguez Channel, the middle portion of the Route traverses and then runs north along the eastern boundary of the ICTF Intermodal Terminal facility (a rail and tractor trailer yard). The eastern portion of the Route is bordered to the east by land developed with power transmission lines and the electrical substation where the Route terminates.

Route Land Use History

Historical resources reviewed during this assessment allowed the land uses of the properties along the Route and adjoining the Route to be traced from the present back to 1896 when the area was undeveloped and/or cultivated for agricultural use. Rail lines were constructed along the central portion of the Route in the 1940's and utilized by the military as part of the Wilmington Classification and Hold facility, a loading and storage area for military equipment awaiting shipment. By the 1950's, several small commercial structures were constructed west of the Route origin along Alameda Street, as well as the Dominguez Channel, which the Route crosses just east of the Route origin. In the 1960's, the western adjoining property to the Route origin was developed with a hydrogen plant, a drag strip (automotive racetrack) was constructed along the central portion of the Route, and the electrical substation and associated transmission lines were constructed along the eastern portion of the Route. In the 1980's the present-day ICTF Intermodal Terminal (rail and tractor trailer yard) was constructed near the central and eastern portions of the Route. In the 1990's and early 2000's the hydrogen plant on the western adjoining property to the Route origin was demolished and replaced with the present-day concrete recycling facility.

Areas of Potential Concern

This assessment identified the following areas of potential concern along and adjoining the Route. These areas are identified on Figure 2, along with corresponding Map ID numbers identifying the tenant where each area of potential concern is located. An area of potential concern is a property where current or former use, storage, or disposal of a hazardous substance or petroleum product was identified along with a likely potential for impact to the Route in the event of a release. Unless specifically identified, an area of potential concern does not indicate that a release has occurred, only that there is the potential to impact the Route if a release has occurred.

Properties Crossed by the Route

The Montrose Chemical Corporation/The Dominguez Channel
Potential Contaminants of Concern/Impact: DDT in Sediment

The Montrose Chemical Corporation was a former dichlorodiphenyltrichloroethane (DDT) manufacturing plant located approximately five miles northwest of the Route origin location. It was discovered that the DDT manufacturing work conducted at the facility had severely contaminated soil and groundwater beneath and nearby the former plant property. In 1989, the facility was listed as an EPA Superfund site. The major transport mechanisms identified were reported as storm water runoff and aerial emissions. Contamination is reported to have flowed off the facility into the Kenwood Stormwater Drainage Pathway and subsequently into the Dominguez Channel, which is crossed by the Route. The contamination is a well-known regional issue which in the vicinity of the Route primarily consists of impacted sediment.

Former Wilmington Classification and Holding Yard/Present-Day Union Pacific ICTF Intermodal Terminal (Figure 2 Map ID 4)
Potential Contaminants of Concern/Impact: Petroleum hydrocarbons, volatile organic compounds, heavy metals, pesticides, herbicides, polychlorinated biphenyls, and unexploded ordinance.

The Route crosses the present-day ICTF Intermodal Terminal, a large active rail and tractor trailer yard. The ICTF terminal is constructed on a portion of the former Wilmington Classification and Holding Yard, a former military equipment loading and storage facility that operated in the 1940's. A Site Survey Summary Sheet prepared by the Army Corps of Engineers in 1999 noted that "*various types and sources of subsurface soil contamination have been identified in the railyard portion of the site*." The types and locations of the soil contamination were not reported.

The Site Survey Summary Sheet also included an evaluation for hazard severity associated with unexploded ordinance. The property was given a rating of "4" indicating negligible hazard; however, a score of "5" indicating a marginal hazard was also listed as recommended. According to records reviewed, this designation was primarily determined on the use of warehouse 17 (located over one mile from the Route) as an ordinance depot.

While specific areas of contamination at the ICTF Intermodal Terminal were not reported, it is not uncommon to encounter areas of shallow soil impacted from past releases/spills of hazardous substances and petroleum products as well as pesticides and herbicides applied as part of facility maintenance.

Properties Adjoining or Nearby the Route

ARCO (Marathon Carson) Refinery, 1801 Sepulveda Boulevard, Carson, California 90810 (Figure 2 Map ID 7).
Potential Contaminants of Concern/Impact: Petroleum Hydrocarbons and Volatile Organic Compounds in Groundwater.

This facility is located approximately 500 feet west of the Route origin, across Alameda Street and the Union Pacific Railroad. According to the CPS-SLIC database, the facility is currently undergoing remediation of total petroleum hydrocarbons in groundwater. According to documents available on Geotracker, a release was identified at the facility as early as 1990 and various site investigations and remediation continue to be conducted for light non-aqueous phase liquid (LNAPL). The lateral and vertical extent of LNAPL contamination is still being assessed.

Based on the documented extent of LNAPL contamination to groundwater, distance of the facility with respect to the Route, and the inherent environmental risk associated oil refining operations, this facility is considered to represent an area of potential concern for the Route.

Air Products, 23300 South Alameda Street (Figure 2 Map ID 1) and Lovco Recycling, 23320 South Alameda Street (Figure 2 Map ID 2).
Potential Contaminants of Concern/Impact: Petroleum Hydrocarbons, Volatile Organic Compounds, and lead in shallow soils.

The properties adjoining the Route origin to the north and to the west were previously developed with a hydrogen gas plant between the early 1960's to the late 1990's. Historical records reviewed identified evidence of past hazardous substances or petroleum products use at the hydrogen gas plant including documented releases of petroleum hydrocarbons and VOCs from former USTs and hydrogen production operations at the facility, along with evidence of potential off-site hydrocarbon releases and regional groundwater impact. These potential impacts were reported at both the portion of the hydrogen production facility located on the northern adjoining property, and at the portion of the facility located at the western adjoining property (primarily from surficial spills near a waste oil UST located on the eastern portion of the facility). These releases were subsequently remediated and granted case closure/no further action status. Additionally, during subsequent redevelopment 1,200 cubic yards of petroleum and lead impacted soil was excavated and removed from the northern adjoining property. Due to the elevated concentrations of soluble lead, the soil was classified as a California designated hazardous waste.

1 INTRODUCTION

The purpose of this assessment was to evaluate the environmental condition of the Route to identify potential environmental concerns that might be encountered during construction of the Gen-Tie within the Route. The assessment was conducted using similar methods as a conventional Phase I Environmental Site Assessment performed in accordance with the ASTM Standard Practice E1527-21 and the EPA Standards and Practices for All Appropriate Inquiries (40 CFR Part 312).

This report was prepared exclusively for use by Avocet Energy Storage, LLC. This report may not be relied upon by any other person or entity without NV5's express written consent. The information, conclusions, and recommendations presented in this report apply to conditions existing at certain locations when services were performed and are intended only for the specific purposes, locations, time frames and project parameters indicated. NV5 cannot be responsible for the impact of any changes in environmental standards, practices, or regulations after performance of services.

1.1 Objectives

NV5's objective for this environmental assessment was to identify conditions indicative of releases and threatened releases of hazardous substances or petroleum products on, at, or adjacent to the Route.

1.2 Services

NV5 performed the following services to assess the Route:

1. Reviewed historical sources of information;
2. Reviewed Federal, State, Tribal, and local government records;
3. Visually inspected the Route and the adjoining properties;

1.3 Assumptions

NV5 has assumed the following for the purposes of this assessment:

1. Information provided during any interview (written or oral) was accurate and correct;
2. Database information reviewed was accurate and correct;
3. Historical information reviewed was accurate and correct;
4. Information reviewed at any governmental agency was accurate and correct;
5. Groundwater flow and depth to groundwater, unless otherwise specified by on-site well data, or well data from adjacent properties are assumed based on contours depicted on the United States Geological Survey (USGS) Topographic Maps; and
6. The location and boundaries of the Route assessed in this report are consistent with the description of the Route provided to NV5 by the Client.

1.4 Limitations

This assessment is not intended to represent a Phase I ESA of the Route. While similar methods as described in the ASTM Standard Practice E1527-21 were used, this report does not constitute an ASTM or AAI compliant Phase I ESA. Interviews with current Route occupants and local regulatory officials, review of environmental lien documentation, a reconnaissance of non-publicly accessible portions of the Route were not conducted due to the nature of the assessment and authorized scope of services.

Additionally, this assessment specifically excludes assessment of the following:

1. Asbestos and asbestos-containing building materials;
2. Biological agents;
3. Cultural and historic resources;
4. Ecological resources;
5. Endangered species;
6. Health and safety;
7. Indoor air quality unrelated to releases of hazardous substances or petroleum products into the environment;
8. Industrial hygiene;
9. Lead-Based Paint;
10. Lead in Drinking Water;
11. Mold;
12. Radon;
13. Regulatory compliance; and
14. Wetlands.

The conclusions and findings set forth in this report are strictly limited in time and scope to the date of the assessment. The conclusions presented in this report are based solely on the services described herein, and not on scientific tasks or procedures beyond the scope of agreed-to services or the time and budgeting restraints imposed by the Client. No subsurface exploratory drilling or sampling of any kind was conducted under the scope of this work. Unless specifically stated otherwise in this report, no chemical or physical analyses have been performed during the course of the assessment.

Some of the information provided in this report is based upon review of available documents, records, and maps held by the appropriate government and private agencies. This information is subject to the limitations of historical documentation, availability, and accuracy of pertinent records and the personal recollections of those persons contacted. As applicable, NV5 has relied in good faith upon representations and information furnished by individuals with respect to operations and existing property conditions, to the extent that they have not been contradicted by data obtained from other sources. Accordingly, NV5 accepts no responsibility for any deficiencies, omissions, misrepresentations, or fraudulent acts of persons interviewed.

Property conditions, as well as local, state, tribal, and federal regulations can change significantly over time. Therefore, the recommendations and conclusions presented as a result of this assessment apply strictly to the environmental regulations and property conditions existing at the time the assessment was performed. Available information has been analyzed using currently accepted assessment techniques and it is believed that the inferences made are reasonably representative of the Route and vicinity. NV5 makes no warranty, express or implied, except that the services have been performed in accordance with generally accepted environmental property assessment practices applicable at the time and location of the study.

This assessment report is not, and should not be construed as, a warranty or guarantee about the presence or absence of hazardous substances or petroleum products that may affect the Route.

All findings, conclusions, and recommendations stated in this report are based upon facts, circumstances, and industry-accepted procedures for such services as they existed at the time this report was prepared (i.e., federal, state, and local laws, rules, regulations, market conditions, economic conditions, political climate, and other applicable matters). All findings, conclusions, and recommendations stated in this report are based on the data and information provided, and observations and conditions that existed on

the date and time of the Route visit. Responses received from local, state, or federal agencies or other secondary sources of information after the issuance of this report may change certain facts, findings, conclusions, or circumstances to the report. A change in any fact, circumstance, or industry-accepted procedure upon which this report was based may adversely affect the findings, conclusions, and recommendations expressed in this report.

1.5 Terms

The following terms are used in this report:

- "Route" refers to the property located along the Gen-Tie pathway described in Section 2;
- "Adjoining Property" refers to the property sharing a common boundary with the Route.
- "Area of Potential Concern" – An area of potential concern is a property where current or former use, storage, or disposal of a hazardous substance or petroleum product was identified along with a likely potential to impact to the Route in the event of a release. Unless specifically identified, an area of potential concern does not indicate that a release has occurred, only that the potential exists to impact the Route if a release has occurred.
- "Migrate/migration" – For the purposes of this practice, "migrate" and "migration" refers to the movement of *hazardous substances* or *petroleum products* in any form, including, for example, solid and liquid at the surface or subsurface, and vapor in the subsurface.
- "Hazardous Substances" – The term "hazardous substance" is used here in general accordance with its use as defined in the following regulations:

    -- Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of 1980, as amended; and

    -- Superfund Amendment and Reauthorization Act (SARA) of 1986, as amended.

- The words "impact" or "impacted" are used to mean the effect or result of a release of a hazardous substance or petroleum product at a property crossed by the Route or adjoining the Route. Search distances for government agency lists were those designated by the ASTM Standard E 1527-21.

1.6 Environmental Professionals

This document has been prepared by an Environmental Professional as defined by the EPA, 40 CFR Part 312.10. All work performed for this assessment was performed by or under the direct supervision of an Environmental Professional.

2 ROUTE DESCRIPTION

Mr. Eric Fraske of NV5 conducted a visual reconnaissance of the Route on April 10, 2023. The descriptions provided herein are based on observations made during that visit. Representative photographs are included in Appendix A. Route location and layout maps depicting the areas and features described in the following sections are also provided in Figures 1 and 2.

Observations of areas and features discussed below were made from publicly accessible portions of the Route and other adjoining properties when accessible, noting that some portions of the Route were not accessible. Additionally, features that were previously identified during a previous Phase I ESA of an adjoining property are also included for reference.

2.1 Route Location and Use Along the Route

The approximately 1.25-mile Route originates at the property currently occupied by the Lovco Recycling facility (a concrete recycling plant). The Route proceeds east across the Dominguez Channel, then crosses the western boundary of the Union Pacific Railroad ICTF Intermodal Transport Terminal facility (ICTF Intermodal Terminal). The Route continues east to the eastern boundary of the ICTF Intermodal Terminal and then proceeds north along the Terminal's eastern boundary. The Route then proceeds to the east along the northern boundary of the existing electrical substation where the Route terminates.

The Route is located within an area of primarily industrial/heavy transportation land use. Industrial users in the western portion of the Route include an Air Products facility and a Marathon Coke facility. After crossing the Dominguez Channel, the middle portion of the Route traverses and then proceeds north along the eastern boundary of the ICTF Intermodal Terminal facility (a rail and tractor trailer yard). The eastern portion of the Route is bordered to the east by land developed with power transmission lines and the electrical substation where the Route terminates.

2.2 Utility Service Providers

Local utility service providers in the Route vicinity include:

Electricity	Southern California Edison
Water	Los Angeles Department of Water and Power
Gas	Southern California Gas Company
Sewer	Los Angeles County Sanitation District

No water wells or septic systems were observed within the accessible portions of the Route.

2.3 Hazardous Materials and Chemical Storage Areas

Route:

ICTF Intermodal Terminal: A review of the ICTF Intermodal Terminal Map (Figure 3) indicates that the Route passes through the "Roadability" area at the terminal, which may be a vehicle servicing or inspection facility. While these types of activities generally suggest potential chemical or petroleum product storage and use, access to the Terminal property was not permitted during inspection of the Route. Therefore, the storage or use of hazardous materials or other chemicals could not be determined.

Adjoining Properties:

Lovco Recycling: During a previous Phase I ESA completed by NV5 in September 2021 for the Lovco Recycling facility, various 5-gallon containers of motor oil and hydraulic oil, and smaller containers of household cleaners, resin, and fuel were observed within the onsite building and in the work area east of the building. No evidence of leaks, spills, or staining was observed in the vicinity of the containers.

Drums

No drums were observed along the Route or adjoining properties.

2.4 Storage Tanks

2.4.1 Aboveground Storage Tanks (ASTs)

Route: No ASTs were observed along the Route.

Adjoining Property:

Lovco Recycling: During a previous Phase I ESA completed in September 2021 for the Lovco Recycling facility, a 1,000-gallon diesel AST was reported on the western portion of the property located between the onsite building and the guard shack. The AST was reported to be used for refueling loaders and excavator equipment onsite. Minimal soil staining was reportedly observed on the southern side of the AST in the 2021 Phase I ESA report.

2.4.2 Underground Storage Tanks (USTs)

No evidence of USTs along the Route or adjoining properties was observed.

2.4.3 Septic Tanks

No evidence of septic tanks was observed along the Route or on adjoining properties.

2.5 Polychlorinated Biphenyls

Several electrical transformers were observed to be present on adjoining properties along the Route. The transformers appeared to be in good condition with no evidence of past leaks or releases.

2.6 Floor Drains, Sumps, and Clarifiers

No floor drains or sumps were observed along the Route or adjoining properties.

2.7 Back-up Power Generation

No fixed back-up power generators were observed along the Route or adjoining properties.

2.8 Cooling Towers

No cooling towers were observed along the Route or adjoining properties.

2.9 Elevators, Lifts and Compactors

No elevators, lifts, or compactors were observed along the Route or adjoining properties.

2.10 Odors

No strong, pungent, or noxious odors indicative of a past release of hazardous substances or petroleum products were noted along the Route or adjoining properties.

2.11 Pools of Liquid

No standing surface water or other pits, ponds, or lagoons potentially containing hazardous substances or petroleum products were identified along the Route or adjoining properties.

2.12 Surface Staining

No surface staining indicative of a past release of hazardous substances or petroleum products was observed along the Route or adjoining properties.

2.13 Stressed Vegetation

No significantly stressed vegetation or other indications of potential release of hazardous substances or petroleum products were observed along the Route or adjoining properties.

2.14 Solid Waste

Route: No evidence of solid waste disposal was observed along the Route.

Adjoining Property: Various amounts of trash and household debris (furniture, tires, general refuse, etc.) appear to have been dumped along the roadside adjacent to Intermodal Way. This material did not appear hazardous in nature, buy may require special handling and/or disposal if removed during construction.

2.15 Adjacent Properties

The Route is located within an area of mixed industrial/heavy transportation use. The following land uses in the near vicinity of the Route were observed:

Direction	Property Name	Property Address	Business Operation
At Route Origin			
North:	Air Products	23300 South Alameda Street	Hydrogen Plant
West:	Lovco Recycling	23320 South Alameda Street	Concrete Recycling Yard
South:	Marathon	23500 South Alameda Street	Coke Storage Facility
Proceeding East Across the Dominguez Channel			
North	Union Pacific ICTF Intermodal Terminal	2401 East Sepulveda Boulevard	Rail and Tractor-Trailer Yard
South	Union Pacific ICTF Intermodal Terminal	2401 East Sepulveda Boulevard	Rail and Tractor-Trailer Yard
Proceeding North Along ICTF Terminal Eastern Boundary			
West	Union Pacific ICTF Intermodal Terminal	2401 East Sepulveda Boulevard	Rail and Tractor-Trailer Yard
East	Vacant Land	NA	Vacant Land with Electrical Transmission Lines
Route Termination			
South:	Electrical Substation	NA	Electrical Substation

3 ROUTE SETTING

3.1 Topographic

The 2018 United States Geological Survey (USGS), [Poway] 7.5 Minute Topographic Quadrangle map of the Route and surrounding vicinity was reviewed. The elevation of the Route varies between elevations of approximately 17 feet and 37 feet above mean sea level (msl). The Route and surrounding topography area is generally flat, but slopes toward the south. A copy of the USGS 7.5 Minute Topographic Quadrangle Map is included in Appendix B.

3.2 Regional Geology and Hydrology

The following description of regional geology and hydrology was developed based on regional information presented in the Environmental Data Resources (EDR) GeoCheck report (2023) and on the Regional Water Quality Control Board's online *Geotracker* database.

According to United States Department of Agriculture (USDA) soil data published in the EDR GeoCheck report, soil underlying the Route is classified as *Urban Land*. Soil of this type is variable in character and has variable infiltration rates (Appendix B).

NV5 reviewed groundwater data published on the Geotracker database for multiple current cleanup program facilities located near the Route. Based on a review of published groundwater monitoring data, groundwater is reported to be present at depths ranging from approximately 10 to 80 feet below ground surface (bgs) with a flow direction towards the west-northwest. According to environmental investigation reports prepared for the northern adjoining Air Products property (See Section 4.2), a perched groundwater zone was observed at the depth of approximately 30 feet bgs, followed by a deeper groundwater zone at depths of 60 to 100 feet bgs.

3.3 Flood Plain

According to Federal Emergency Management Agency flood plain data presented in the route-specific EDR Geocheck Report, the Route is located within the boundaries of a 500-year flood zone (EDR, 2023). The EDR Report is presented as Appendix B.

3.4 Wetlands

According to map data published on the United States Department of Fish and Wildlife (USFW) National Wetlands Inventory (https://www.fws.gov/wetlands/data/mapper.html), a Riverine area is mapped along the portion of the Route that crosses the concrete-lined Dominguez Channel (Appendix C).

3.5 Water Bodies

The Dominguez Channel is located immediately east of the location of the Route origin between the present-day Lovco Recycling facility and the ICTF Intermodal Terminal.

3.6 Oil and Gas Wells

According to the State of California Geologic Energy Management Division (CalGEM) Online Mapping System, no oil/gas wells were identified on the Route or adjoining properties (Appendix C). A plugged dry

hole (Cy 3) is located to the South of the Route near the intersection of Intermodal Way and Sepulveda Boulevard.

4 RECORDS REVIEW

4.1 Governmental Databases

NV5 contracted EDR to perform a radius search of governmental databases for this project. The distribution of listed facilities with respect to the Route is tabulated and mapped in EDR's Radius Map Report, presented in Appendix B. The reader is referred to the Map Findings Summary Table, which can be found on Page 4 of EDR's report.

NV5 conducted a review of the above-referenced database reports and provides the following findings based on facilities and listings that have the potential to impact the Route. Our findings are based on the assumption that a hazardous substance or petroleum product released to the subsurface generally does not migrate laterally within unsaturated soil for a significant distance. Although a hazardous substance or petroleum product can migrate in groundwater in a generally down-gradient direction, there are limitations to this interpretation such as groundwater depth, soil lithology and other subsurface barriers.

4.1.1 Route Database Findings

EDR's report identified the following listings for facilities that the Route crosses.

Facility Name & Address	**Montrose Chemical Corporation 20201 S. Normandie Avenue Torrance, California 90502**	**Located East of Route Origin**
Database(s) Listed: NPL, SEMS, RCRA-LQG, US Eng Controls, US Inst Controls, ROD, PRP, ICIS, Consent, FINDS		
• The Montrose Chemical Corporation was a former dichlorodiphenyltrichloroethane (DDT) manufacturing plant located approximately five miles northwest of the Route origin location. It was discovered that the DDT manufacturing work conducted at the facility had severely contaminated soil and groundwater beneath and near the former plant property. In 1989, the facility was listed as an EPA Superfund site. The major transport mechanisms identified were reported as storm water runoff and aerial emissions. Contamination is reported to have flowed off the facility into the Kenwood Stormwater Drainage Pathway and subsequently into the Dominguez Channel, which is crossed by the Route. The contamination is a well-known regional issue which in the vicinity of the Route primarily consists of impacted sediment.		

Facility Name & Address	**Wilmington Classification and Holding Yard**	**Figure 2 - Map ID 4**
Database(s) Listed: Formerly Used Defense Site (FUDS), Envirostor, UXO (Unexploded Ordinance)		
This former facility was mapped in the EDR report as being located within the boundaries of the ICTF Intermodal Terminal. According to information published on the Envirostor Website, "*The site consisted of 274.57 acres, located 2401 E. Pacific Coast Highway in Wilmington, California. The property composing the Wilmington Class and Hold Yard was acquired by the U.S. Army during 1943 and 1944. Records indicate*		

Facility Name & Address	Wilmington Classification and Holding Yard	Figure 2 - Map ID 4

that 272.23 acres were leased from the City of Los Angeles (W2972-eng-755 and W04- 193-eng-4356). Approximately 1.55 acres were leased from the Watson Land Company (W04-193-eng2652). Approximately 0.65 acres were acquired by permit and 0.142 acres were acquired by license from various private and public parties. Thus, a total of 274.57 acres were acquired by the Army for the Wilmington Class and Hold Yard. In the months of May and June 1946, 201.57 and 73 acres, respectively, of the Class and Hold Yard were declared surplus. On 1 July 1946 the land was transferred to the Veterans Administration. The City of Los Angeles currently owns 272.23 acres of the former Wilmington Class and Hold Yard. The property is currently being beneficially used for many purposes. Business located on the property include shipping container platforms for loading and unloading container onto railroad cars (Intermodal Container and Transportation Facility), sulfur storage (California Sulfur Company), import and export operations (Import Dealers Service Corporation), warehouses (Port of Los Angeles, California Cartage Company, Inc.) and a refinery (Texaco).

The site was used by the U.S. Army as a loading and storage area for military equipment awaiting shipment. Improvements to the site, all constructed in 1943 and 1944, included three warehouses, a railroad spur, sewer, and water lines. The property, formerly known as Manuel Warehouse, is currently the site of the Cal Cartage, Inc., a container, and freight station that stores and distributes goods that arrive at the Port of Los Angeles from U.S. and international destinations. Goods stored and distributed at the facility include bulk cotton, copper, and other miscellaneous items. Cal Cartage occupies approximately the same area as the former Manuel Warehouse, which encompassed 85 acres. The southern boundary of Cal Cartage is Pacific Coast Highway; the northern boundary is Sepulveda Boulevard; the western Boundary is the Dominguez Channel and Union Pacific Railroad Line; and the eastern boundary is a Southern California Edison electrical tower transmission easement. Although Cal Cartage leases the Edison easement for storage, this easement is not part of the Wilmington Classification and Hold Yard or Manuel Warehouse site. There are three 200,000 square foot former DoD warehouses being beneficially used by Cal Cartage. These warehouses, currently numbered 13, 16, and 17 (formerly numbers 1, 2, and 3 respectively), were constructed in 1943 for the DoD. The LA Ordnance Depot occupied warehouse No. 17. The warehouses are surrounded by roadways, rail lines, and other miscellaneous facilities associated with importing and exporting of goods from the port. Some of the rail lines, constructed for DoD use, are being beneficially used. Large portions of the property are occupied by stored freight containers."

It was further noted on the Envirostor website that two USTs may have been installed on the north side of warehouse 17, located almost one mile southeast of the Route.

A Site Survey Summary Sheet, published on the Envirostor website, for the former facility that was prepared in 1999 noted "*various types and sources of subsurface soil contamination have been identified in the railyard portion of the site."* The types and locations of the soil contamination were not reported. The Site Survey Summary Sheet also included an evaluation for hazard severity associated with unexploded ordinance. The property was given a rating of "4" indicating negligible hazard; however, a score of "5" indicating a marginal hazard was also listed as recommended. This designation was primarily determined on the use of warehouse 17 (located over one mile from the Route) as an ordinance depot.

The Site status is listed as "Needs Evaluation as of July 1, 2005."

4.1.2 Adjoining Property Database Findings

EDR's report identified multiple adjoining properties. The details of these listings are presented as follows.

Facility Name & Address	**Air Products and Chemicals, Inc. 23320 South Alameda St Carson, California 90810**	**Northern Adjoining Property Figure 2 Map ID 1**
Database(s) Listed: HWTS, HIST UST, HAZNET, SWEEPS UST, EMI, FINDS, CPS-SLIC, LUST, CA FID UST, Los Angeles CO. HMS, CERS, RGA LUST, ENVIROSTOR, HIST CORTESE, CIWQS, ERNS		
• According to the HWTS and HAZNET databases, this facility generated hazardous waste, including laboratory waste chemicals, off-specification, aged or surplus organics, other inorganic solid waste, and waste oil and mixed oil from 1982 to 2000. In addition, in 1994 and 1995, the facility disposed of 0.75 and 4.82 tons, respectively, from a cleanup. • According to the HIST UST, SWEEPS UST and CA FID UST databases, a 500-gallon and 10,000-gallon diesel UST, a 6,000-gallon UST with unknown contents, a 2,000-gallon waste oil, and a 3,000-gallon gasoline UST are reported to be present at the facility. • According to the LUST and CPS-SLIC databases, a leaking UST was reported at the facility in 1993. The media affected was reported to be soil with hydrocarbon impacts. Based on the reported information, the facility was granted no further action status by the Los Angeles Regional Water Quality Control Board (LARWQCB) and has a Completed – Case Closed status as of September 25, 1997. • According to the CERS database, chemical storage facilities are present at the facility. No violations have been reported. • According to the Envirostor database, a preliminary assessment report was conducted for the facility in 1985 in response to reports of various chemical wastes (hydrocarbon solvents) being dumped into the channel. In 1989, a site screening and reassessment was completed for the facility. The facility was then referred to the LARWQCB in 1992. • According to the CIWQS database, an industrial stormwater construction permit was granted to the facility in 1998 and was reported to be terminated in 1999. • According to the ERNS database, in 1988, a release of 55 gallons of 5% potassium permanganate solution was released at this facility after a pipe connected to a scrubber broke. The material was contained and drummed for disposal. Based on NV5's review of environmental regulatory file information, these listings seem to be attributed to the operation at the northern adjoining property prior to the separation of the northern adjoining and western adjoining property land parcels.		

Facility Name & Address	**Tesoro Logistics Operations, LLC 23320 South Alameda St Carson, California 90745**	**Northern Adjoining Property Figure 2 Map ID 1**
Database(s) Listed: HWTS, ECHO, HAZNET, RCRA NONGEN/NLR.		
• According to the HWTS and HAZNET databases, this facility generated hazardous waste including organic solids and asbestos containing waste in 2019 from pipeline transportation of crude oil. • According to the RCRA NONGEN database, the facility is not a generator of hazardous wastes as of June 2019.		

Facility Name & Address	**Carson Liquid Hydrogen Plant 23320 South Alameda St Carson, California**	**Northern Adjoining Property Figure 2 Map ID 1**
Database(s) Listed: WMUDS/SWAT		
• According to the WMUDS/SWAT database, a passive waste treatment and disposal system operated at the facility. The primary waste type was reported as designated/influent or solid waste that poses a significant threat to water quality because of their high concentrations and manageable hazardous wastes. The facility was listed as a moderate threat to water quality based on the primary waste type. The facility was required to submit self-monitoring reports quarterly to the oversight agency (not listed). No other information is listed. Based on NV5's review of environmental regulatory file information, these listings seem to be attributed to the operation at the northern adjoining property prior to the separation of the northern adjoining and western adjoining property land parcels.		

Facility Name & Address	**Air Products and Chemicals, Inc. 23300 S. Alameda St Carson, California 90810**	**Northern Adjoining Property Figure 2 Map ID 1**
Database(s) Listed: RCRA-LQG, AST, HWTS, CERS HAZ WASTE, CERS TANKS, HAZNET, CERS		
This facility is located north of the Route origin location. • According to the RCRA-LQG database, this facility has been a large quantity generator of hazardous waste since March 2012. The types of waste generated at this facility included ignitable waste and corrosive waste. No violations were reported. • According to the HWTS and HAZNET databases, this facility disposed of hazardous waste, including laboratory waste chemicals, off-specification, aged or surplus organics, other inorganic solid waste, and waste oil and mixed oil from 1982 to 2000. In addition, in 1998, the facility disposed of approximately 1,761 tons of contaminated soil from site cleanups. • According to the CERS and CERS HAZ WASTE databases, chemical storage facilities are present at this facility. Violations were reported for the facility in 2017 for failure to complete and electronically submit a site map with all required content, failure to obtain and maintain a written assessment reviewed and certified by an independent, qualified, professional engineer prior to placing the tank system in service, failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on facility at or above reportable quantities, and failure to revise, update and submit a Risk Management Plan. The facility returned to compliance for all violations in October 2017. • According to the AST and CERS TANKS databases, an AST is present at the facility.		

4.1.3 General Vicinity Database Findings

EDR's report identified multiple nearby facilities within applicable ASTM search radii. NV5 considered most of the listed facilities unlikely to impact the Route, based upon factors including (but not limited to):

- The nature of the listing;
- The use of the facility;
- When the facility was listed and its current listed status;
- The developmental density of the setting;
- The distance between the listed facility and the Route as related to the distance that releases are

likely to migrate based on local surface and subsurface drainage conditions;
- The presence of intervening drainage divides; and/or
- The inferred groundwater movement.

Three facilities of note are further discussed below.

Facility Name & Address	**ARCO (Marathon Carson) Refinery 1801 Sepulveda Carson, California 90810**	**500 Feet West of Route Origin**
Database(s) Listed: CPS-SLIC		
This facility is located approximately 500 feet west of the Route origin, across Alameda Street and the Union Pacific Railroad. According to the CPS-SLIC database, the facility is currently undergoing remediation of total petroleum hydrocarbons in groundwater. According to documents available on Geotracker, a release was identified at the facility as early as 1990 and various site investigations and remediation activities continue to be conducted for light non-aqueous phase liquid (LNAPL). The lateral and vertical extent of LNAPL contamination is still being assessed. Based on the documented extent of LNAPL contamination to groundwater, distance of the facility with respect to the Route, and the inherent environmental risk associated oil refining operations, this facility is considered to represent an area of potential concern.		

Facility Name & Address	**Olympus Terminals (Former Chemoil Tank Farm) 2365 E. Sepulveda Boulevard Carson, California**	**1,000 Feet South of Route**
Database(s) Listed: CPS-SLIC		
This facility is located approximately 1,000 feet south of the Route. According to the Geotracker website, *"This site is a petroleum terminal and tank farm. Groundwater is impacted by petroleum hydrocarbons with the primary contaminant being benzene at concentrations up to 1,800 ug/L (as of March 2009 sampling). Other groundwater contaminants include total xylenes, MTBE, TBA, and dissolved lead. The groundwater plume appears to be stable on-site, with the possible exception of MTBE transport to the west. The source area onsite is unknown*." NV5 reviewed the most recent (January 2023) groundwater sampling data for this facility, which indicated that the extent of groundwater impact is contained within the boundaries of the facility and does not extend beneath the Route. This facility is not considered to represent an area of potential concern.		

4.2 Regional Agency Offices

NV5 reviewed publicly available information published on various county and regional environmental regulatory agency websites for facilities located along and adjacent to the Route. Documentation obtained from regulatory agency requests is presented in Appendix C.

Agency	Records Summary
CalGEM	No oil or gas wells were identified on the Route or adjoining properties.
Regional Water Quality Control Board – GEOTRACKER	**Adjoining Property - Air Products** https://geotracker.waterboards.ca.gov/profile_report?global_id=T0603703068 Files for this facility, provided by the Regional Water Quality Control Board, were reviewed. While the files reviewed refer to the western adjoining property address, it is important to note that the western adjoining property was once part of the northern adjoining property (now 23300 South Alameda Street) and the activities described below appear to have been conducted primarily on the northern adjoining property. *Tank Closure Report, Air Products and Chemicals, Inc., 23320 South Alameda Street, Prepared by International Technology Corporation (ITC). Dated August 27, 1987* In August 1987, ITC removed 4 USTs (12,000-gallon diesel, 3,000-gallon gasoline, 2,000-gallon waste oil, and 2,500-gallon diesel) from the facility under the oversight of the Los Angeles County Fire Prevention Division. Soil samples collected within the excavation for the 2,500-gallon diesel fuel tank exhibited elevated concentrations of TPH. Based on the results, ITC recommended additional investigation in the area of the 2,500-gallon diesel tank and remediation if necessary. *Final Report, Remediation of Diesel Contaminated Soil, Air Products Facility, 23320 South Alameda Street. Prepared by Ecova Corporation (Ecova). Dated March 30, 1990.* In March 1989, in response to the contamination identified by ITC during the tank removals, Ecova removed approximately 410 cubic yards of petroleum hydrocarbon contaminated soil immediately below and adjacent to the former 2,500-gallon diesel tank. Confirmation samples were collected from the sidewalls and bottom of the excavation. Results of the confirmation samples indicated all contamination was removed. The contaminated soil was placed on a treatment bed for biodegradation. Based on the results of the treatment bed, Ecova recommended the soil should be treated until all diesel fuel has been degraded and then kept on site and used as fill material. *Site Investigation Study Report, 23320 South Alameda Street, Prepared by ITC. Dated December 1993.* In this report, ITC completes a review of previous investigations conducted at the facility, with emphasis on the

Agency	Records Summary
	former hydrogen plant purification area. The reported indicated that in addition to past on-site releases from operations at the Air Gas Hydrogen plant, evidence of impact from off-site sources such as regional groundwater impact, past unknown placement of impacted fill material, or past releases from pipeline located beneath Alameda Street were also identified. ITC recommended remedial action, soil vapor extraction (SVE), in particular, for remediation of soil. *Closure Soil Borings Drilling and Sampling Plan, 23320 South Alameda Street, Prepared by Terra Vac. Dated February 27, 1997.* In the report, Terra Vac describes drilling five closure soil borings at the facility to maximum depths of 35.5 feet bgs. The soil samples collected were analyzed for diesel, gasoline, benzene, toluene, ethylbenzene, and xylenes. Soil sample results were below detection limits to low concentrations of contaminants with the exception of boring CB-5 (TPH gasoline concentrations of 1,700 milligrams per kilogram [mg/kg] at 15.5 feet bgs and 8,600 mg/kg at 35.5 feet bgs). However, Terra Vac indicated that in the area of CB-5 dense clay zones are less affected by the former SVE system due to low permeability and a plastic liner installed in the excavation after the former caustic tank was removed. Based on the results, Terra Vac recommended the release be considered for closure. *Closure Investigation Report, 23320 South Alameda Street, Prepared by Air Products. Dated February 27, 1997.* Air Products provided a closure investigation report for the former hydrogen manufacturing facility to the LARWQCB. The report indicates that Air Products operated an SVE system from May 1995 to November 1996. Following rebound tests, and LARWQCB approval, the SVE system was shut down and five closure borings (as described above) were advanced. Air Products proposed no further action for the release and requested the LARWQCB review the closure request and provide comments. *Underground Storage Tank Case Review Form, Los Angeles Regional Water Quality Control Board, Dated September 23, 1997.* This document summarizes the case information for the facility, including USTs removed, site characterization information, maximum concentrations of contaminants, and soil and groundwater remediation activities. The LARWQCB indicated in the comments and justification for recommended action section that the release be closed based upon

Agency	Records Summary
	"common sense" closure criteria with limitation for industrial use. **Adjoining Property – 23300 South Alameda Street** One report for the adjoining property was provided by the Regional Water Quality Control Board. *SCAQMD Rule 1166 Soil Excavation Oversight Report, 23300 South Alameda Street, Prepared by ITC. Dated October 1998* This report details soil excavation activities conducted at the facility in response to Air Products and Chemicals, Inc. intent to construct a new hydrogen facility on the property. Air monitoring in accordance with SCAQMD Rule 1166, environmental engineering oversight, and soil sampling was conducted by ITC during demolition of certain concrete foundations and associated footers near the west end of the property. A total of approximately 1,200 cubic yards (or 1,782 tons) of soil was removed and disposed of as California designated hazardous waste due to detected concentrations of soluble lead.
Department of Toxic Substances Control – ENVIROSTOR	**Properties Crossed by the Route: Wilmington Class and Hold Yard** https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=80000531 Records reviewed on the Envirostor website for this facility have been summarized in Section 4.1.1. **Adjoining Property – Air Products** According to the Envirostor database, a preliminary assessment report was conducted for the facility in 1985 in response to reports of various chemical wastes (hydrocarbon solvents) being dumped into the channel. In 1989, a site screening and reassessment was completed for the facility. The facility was then referred to the LARWQCB in 1992.
Los Angeles County Fire Department	**Adjoining Property – Air Products 23320 South Alameda** Records include Notice of Violation documents and response letters from Air Products and Chemicals, Inc. to the Los Angeles County CUPA with respect to the Notices of Violations and Orders to Comply issued. Violations included submitting generator manifests copies, receipts used for oil, and manifests for all hazardous wastes generated on premises. Air Products and Chemicals, Inc included information with respect to the violations and requested to be returned to compliance based on the information provided. In

Agency	Records Summary
	a letter dated August 11, 1999, Air Products and Chemicals, Inc. notified the LA County CUPA that the operations at the portion of the facility located at 23320 S. Alameda Street (the present-day Lovco Recycling facility) would cease and would no longer have hazardous materials after August 31, 1999. **Adjoining Property – 23300 South Alameda Street** Records identified include a letter dated October 26, 1999, from Air Products and Chemicals, Inc. to the Los Angeles County Fire Department describing and including a consolidated permit application package for the new Air Products Carson Hydrogen Plant, located at 23300 South Alameda Street in Carson, California.
Los Angeles County Public Works Environmental Programs Division	**Northern and Western Adjoining Property: - Air Products** Records received from this agency consisted of UST removal records and industrial wastewater discharge records for the former on-site/adjoining hydrogen gas production plant, which was previously identified by the 23320 Alameda Street address prior to the early 2000's. *Industrial Wastewater Discharge* Industrial wastewater discharge records starting in 1962 indicated that industrial wastewater generated at the facility's Control Building Laboratory would be discharged to the sanitary sewer system. Carbon dioxide and sodium carbonate generated during the hydrogen gas manufacturing process would be discharged along with cooling tower bleed off and stormwater runoff directly into the eastern adjoining Dominguez Channel. An inspection report dated December 12, 1963, indicated that laboratory waste was discharged via a septic tank and leach field as opposed to the sanitary sewer system. A letter from Air Products dated March 6, 1968, indicated that waste would no longer be discharged to the Dominguez Channel and that the liquid hydrogen plant had been shut down. Operations and discharge were subsequently resumed at this facility in 1972. Permit records indicate that hydrogen plant ceased operation in 1986. Demolition of the plant was started in 1992 and the plant was closed in 1999. *UST Removal* Permit records indicated that this facility operated five USTs including: one 2,000-gallon diesel UST installed in 1962, one 6,000-gallon waste sodium hydroxide UST installed in 1962, one 2,000-gallon waste oil UST installed in 1962, one 3,000-gallon gasoline UST installed in 1974, and one 10,000-gallon diesel UST installed in 1974, The USTs were removed in

Agency	Records Summary
	1987. Based on maps included in the permit documentation, it appears that one UST (waste oil Tank #28.5) may have been located on the eastern portion of the present-day Lovco Recycling facility. The other USTs appear to have been located on the northern adjoining property.

4.3 Historical Records

NV5 used USGS Topo maps, aerial photographs, and fire insurance maps to provide information about the history of the Route and its surroundings. The resources NV5 reviewed are tabulated below and presented in Appendix E.

Historical Resources		
Source Type	**Years Reviewed**	**Source**
USGS Topo Maps	1896, 1899, 1902, 1930, 1942, 1943, `947, 1949, 1964, 1972, 1981, 2012, 2015, and 2018	USGS/EDR
Aerial Photograph(s)	1928, 1947, 1952, 1963, 1983, 1989, 1994, 2002, 2005, 2009, 2012, and 2020	EDR
Fire Insurance (Sanborn) Maps	No Coverage Letter	EDR

4.3.1 USGS Topo Maps

Our interpretation of past land uses of properties crossed by the Route and properties adjoining the Route based on our review of historical Topo maps is presented below.

Date	Interpreted Property Use
1896	No structures or improvements are depicted along the Route or on adjoining properties.
1899	No significant changes from the 1896 Topo map are depicted.
1902	No significant changes from the 1899 Topo map are depicted.
1930	A small road is depicted near the Route origin. No other significant changes from the 1902 Topo map are depicted.
1942	Several small roads and structures are depicted throughout the vicinity of the Route.
1943	No significant changes from the 1942 Topo map.
1947	No significant changes from the 1943 Topo map.
1949	The railyard located along the southern portion of the Route is depicted. The rail yard is noted to be located within the boundaries of a Military Reservation (See Section 4.1.1)
1964	The western adjoining properties are depicted to be developed with several small structures and what appear to be ASTs. The rail yard has been replaced with a drag strip (automotive racetrack). Electrical transmission lines and electrical substation are depicted to the east of the Route.

Date	Interpreted Property Use
1972	The present-day Coke storage building to the south of the Route is depicted along with the Dominguez Channel.
1981	The drag strip is no longer depicted to be present.
2012	No structures are depicted on the Topo map.
2015	Additional rail lines consistent with the present-day ICTF Intermodal Terminal are depicted.
2018	No significant changes from the 2018 Topo map are depicted.

4.3.2 Aerial Photographs

Our interpretation of past land uses of properties crossed by the Route and properties adjoining the Route based on our review of historical aerial photographs is presented below.

Date	Interpreted Property Use
1928	The Route and surrounding properties are depicted to be cultivated for agricultural use.
1947	The Route and surrounding properties appear to be mostly vacant land except for some cultivated properties and roadways.
1952	Small structures on the western adjoining property and what appears to be the Dominguez Channel are visible. The remainder of the properties in the vicinity of the Route appear to be developed with railroad tracks or cultivated for agricultural use.
1963	Additional structures and ASTs are visible on the northern and western adjoining properties near the Route origin. The electrical substation located at the Route's terminus appears to be present.
1983	The present-day Marathon Coke building is visible on the southern adjoining property at the Route's origin. Most of the property along the Route appears to be undeveloped. The electrical substation and transmission lines along the eastern portion of the Route are visible.
1989	The present-day intermodal terminal is present.
1994	The structures and ASTs previously located on the western adjoining property at the Route origin are no longer present.
2002	No significant changes from the 1994 aerial photograph are noted.
2005	The concrete recycling facility located at the western adjoining property at the Route's origin is now present. No other significant changes from the 2002 aerial photograph are noted.
2009	No significant changes from the 2005 aerial photograph are noted.
2012	No significant changes from the 2009 aerial photograph are noted.
2020	No significant changes from the 2012 aerial photograph are noted.

4.3.4 Sanborn Fire Insurance Maps

Sanborn Fire Insurance Maps depicting the Route or adjoining properties were not available for review.

4.4 Past Uses – Summary

Historical resources reviewed during this assessment allowed the land uses of the properties along the Route and adjoining the Route to be traced from the present back to 1896 when the area was undeveloped and/or cultivated for agricultural use. Rail lines were constructed along the central portion of the Route in the 1940's and utilized by the military as part of the Wilmington Classification and Hold

facility, a loading and storage area for military equipment awaiting shipment. By the 1950's, several small commercial structures were constructed at the properties located along Alameda Street, to the west of the Route origin along with construction of the Dominguez Channel. In the 1960's the western adjoining property to the Route origin was developed with a hydrogen plant, a drag strip was constructed along the central portion of the Route, and the electrical substation and associated transmission lines were constructed along the eastern portion of the Route. In the 1980's the present-day Intermodal Terminal (rail and tractor trailer yard) was constructed near the central and eastern portions of the Route. In the 1990's and early 2000's the hydrogen plant on the western adjoining property to the Route origin was demolished and replaced with the present-day concrete recycling facility.

5 FINDINGS

Based on the reconnaissance, review of historical records, and available environmental regulatory database and documents, NV5 finds the following:

5.1 Areas of Potential Concern

This assessment identified the following areas of potential concern along and adjoining the Route. These areas are identified on Figure 2, along with corresponding Map ID numbers identifying the tenant where each area of potential concern is located. An area of potential concern is a property where current or former use, storage, or disposal of a hazardous substance or petroleum product was identified along with a likely potential for impact to the Route in the event of a release. Unless specifically identified, an area of potential concern does not indicate that a release has occurred, only that there is the potential to impact the Route if a release has occurred.

Properties Crossed by the Route

The Montrose Chemical Corporation/The Dominguez Channel
Potential Contaminants of Concern/Impact: DDT in Sediment

The Montrose Chemical Corporation was a former dichlorodiphenyltrichloroethane (DDT) manufacturing plant located approximately five miles northwest of the Route origin location. It was discovered that the DDT manufacturing work conducted at the facility had severely contaminated soil and groundwater beneath and nearby the former plant property. In 1989, the facility was listed as an EPA Superfund site. The major transport mechanisms identified were reported as storm water runoff and aerial emissions. Contamination is reported to have flowed off the facility into the Kenwood Stormwater Drainage Pathway and subsequently into the Dominguez Channel, which is crossed by the Route. The contamination is a well-known regional issue which in the vicinity of the Route primarily consists of impacted sediment.

Former Wilmington Classification and Holding Yard/Present-Day Union Pacific ICTF Intermodal Terminal (Figure 2 Map ID 4)
Potential Contaminants of Concern/Impact: Petroleum hydrocarbons, volatile organic compounds, heavy metals, pesticides, herbicides, polychlorinated biphenyls, and unexploded ordinance.

The Route crosses the present-day ICTF Intermodal Terminal, a large active rail and tractor trailer yard. The ICTF terminal is constructed on a portion of the former Wilmington Classification and Holding Yard, a former military equipment loading and storage facility that operated in the 1940's. A Site Survey Summary Sheet prepared by the Army Corps of Engineers in 1999 noted

that "*various types and sources of subsurface soil contamination have been identified in the railyard portion of the site*." The types and locations of the soil contamination were not reported.

The Site Survey Summary Sheet also included an evaluation for hazard severity associated with unexploded ordinance. The property was given a rating of "4" indicating negligible hazard; however, a score of "5" indicating a marginal hazard was also listed as recommended. According to records reviewed, this designation was primarily determined on the use of warehouse 17 (located over one mile from the Route) as an ordinance depot.

While specific areas of contamination at the ICTF Intermodal Terminal were not reported, it is not uncommon to encounter areas of shallow soil impacted from past releases/spills of hazardous substances and petroleum products as well as pesticides and herbicides applied as part of facility maintenance.

Properties Adjoining or Nearby the Route

ARCO (Marathon Carson) Refinery, 1801 Sepulveda Boulevard, Carson, California 90810 (Figure 2 Map ID 7).
Potential Contaminants of Concern/Impact: Petroleum Hydrocarbons and Volatile Organic Compounds in Groundwater.

This facility is located approximately 500 feet west of the Route origin, across Alameda Street and the Union Pacific Railroad. According to the CPS-SLIC database, the facility is currently undergoing remediation of total petroleum hydrocarbons in groundwater. According to documents available on Geotracker, a release was identified at the facility as early as 1990 and various site investigations and remediation continue to be conducted for light non-aqueous phase liquid (LNAPL). The lateral and vertical extent of LNAPL contamination is still being assessed.

Based on the documented extent of LNAPL contamination to groundwater, distance of the facility with respect to the Route, and the inherent environmental risk associated oil refining operations, this facility is considered to represent an area of potential concern for the Route.

Air Products, 23300 South Alameda Street (Figure 2 Map ID 1) and Lovco Recycling, 23320 South Alameda Street (Figure 2 Map ID 2).
Potential Contaminants of Concern/Impact: Petroleum Hydrocarbons, Volatile Organic Compounds, and lead in shallow soils.

The properties adjoining the Route origin to the north and to the west were previously developed with a hydrogen gas plant between the early 1960's to the late 1990's. Historical records reviewed identified evidence of past hazardous substances or petroleum products use at the hydrogen gas plant including documented releases of petroleum hydrocarbons and VOCs from former USTs and hydrogen production operations at the facility, along with evidence of potential off-site hydrocarbon releases and regional groundwater impact. These potential impacts were reported at both the portion of the hydrogen production facility located on the northern adjoining property, and at the portion of the facility located at the western adjoining property (primarily from surficial spills near a waste oil UST located on the eastern portion of the facility). These releases were subsequently remediated and granted case closure/no further action status. Additionally, during subsequent redevelopment 1,200 cubic yards of petroleum and lead impacted soil was excavated and removed from the northern adjoining property. Due to the elevated concentrations of soluble lead, the soil was classified as a California designated hazardous waste.

6 QUALIFICATIONS AND SIGNATURE

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental professional as defined in 40 CFR 312.10. I have the specific qualifications based on education, training, and experience to assess property of the nature, history, and setting of the Route. This assessment and findings reported herein were conducted in general accordance with standard industry practices.



ERIC FRASKE, PE
SENIOR ENGINEER



JONATHAN BARKMAN
PROJECT MANAGER

Resume and other supporting documentation are maintained on file at NV5

Figures

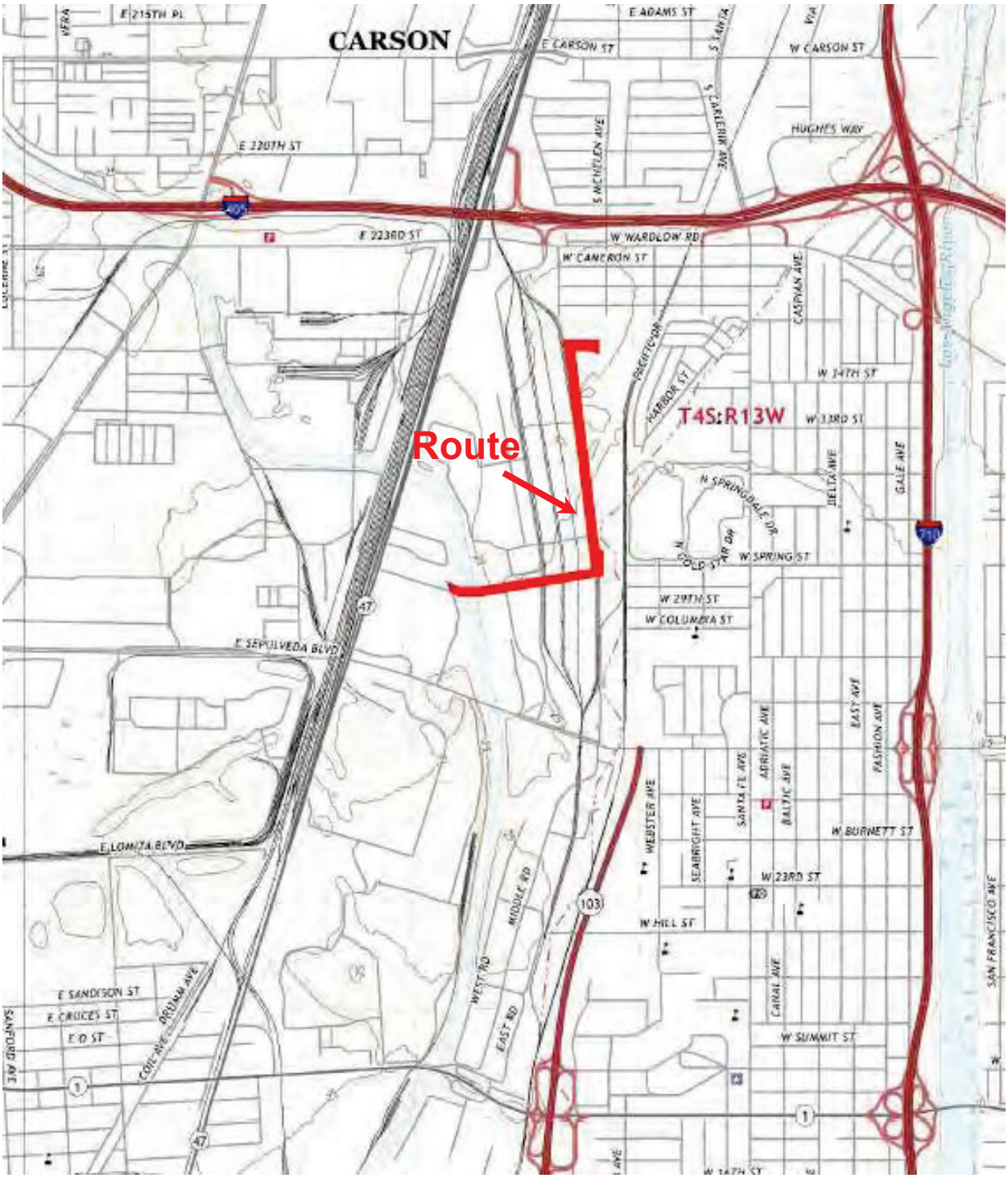
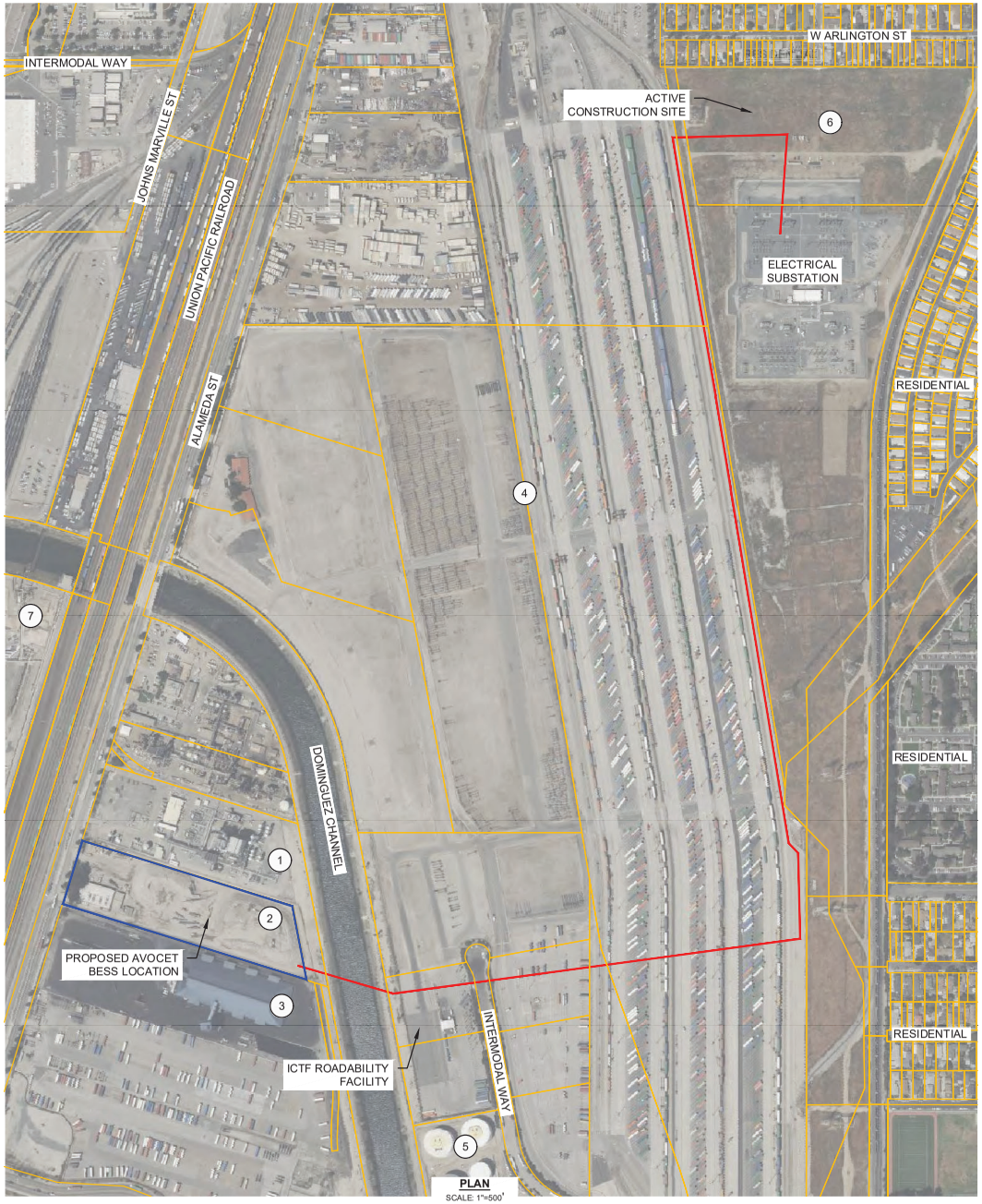


Figure 1: Route Location Map

CLIENT: Avocet Energy Storage	Site Location:	Avocet Gen-Tie Route Carson, California	
PROJECT #:TNSK-23-11457:3			
NV5 ALTA ENVIRONMENTAL	DRAWN: EF	APPROVED : EF	NORTH
	SCALE: NOT TO SCALE	DATE: 4/17/23	



PLAN
SCALE: 1"=500'

PROPERTY REFERENCE TABLE		
PROPERTY NUMBER	TENNANT	ADDRESS
1	AIR PRODUCTS	23300 SOUTH ALAMEDA STREET
2	LOVCO RECYCLING	23320 SOUTH ALAMEDA STREET
3	MARATHON	23500 SOUTH ALAMEDA STREET
4	UNION PACIFIC ICTF INTER MODAL TERMINAL	2401 E. SEPULVEDA BOULEVARD
5	CONOCO\OLYMPIC TERMINALS/FORMER CHEMOIL TANK FARM	2365 E. SEPULVEDA BOULEVARD
6	ACTIVE CONSTRUCTION SITE	UNKNOWN
7	ARCO (MARATHON CARSON) LOS ANGELES REFINERY	1801 SEPULVEDA BOULEVARD

LEGEND:

- PROPOSED AVOCENT BESS FACILITY
- GEN-TIE ROUTE
- APPROXIMATE PROPERTY BOUNDARIES
- (1) PROPERTY NUMBER (SEE PROPERTY REFERENCE TABLE)

NORTH

250' 500' 1,000'
0 1" 2"

FIGURE 2: ROUTE VICINITY MAP

SITE:
AVOCET GEN-TIE
CARSON, CALIFORNIA

PROJ. NO.: TNSK-23-114757.00	
DRAWN: PD	APPRV.: EF
SCALE: 1"=500'	DATE: 04/19/2023

NV5
3777 Long Beach Blvd. Annex Bldg. Long Beach CA 90807
P: (562) 495-5777 ♦ F: (562) 495-5877 ♦ altaenviron.com

B:\danp\Long Beach Office Projects\TNSK-23-114757.00\TNSK-23-114757.3_Avocet_Carson

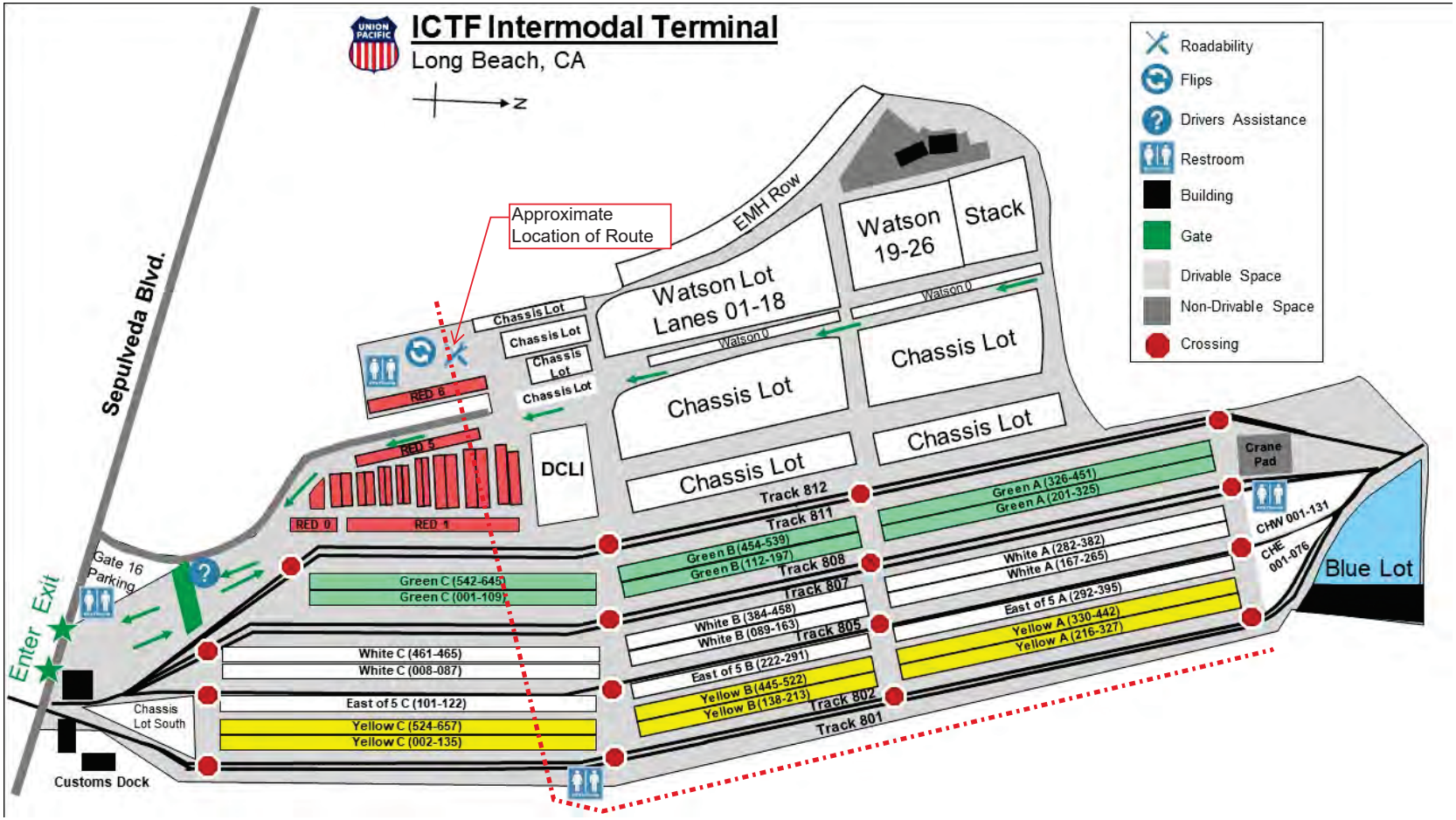


Figure 3: ICTF Terminal Map

Appendix A

Route Photographs



Photo 1: Lovco Recycling Facility – Route Origin
23320 South Alameda Street



Photo 2: Lovco Recycling Facility Facing East from South Alameda Street



Photo 3: Adjoining Air Products Facility -23300 South Alameda Street



Photo 4: Adjoining Marathon Facility



Photo 5: South Alameda Street Facing West Followed by the UPRR and Marathon Refinery



Photo 6: The Dominguez Channel Facing Southeast



Photo 7: Intermodal Way Northern Termination – Route Cross Point



Photo 8: Union Pacific ICTF Intermodal Terminal Facing East Along Route Path

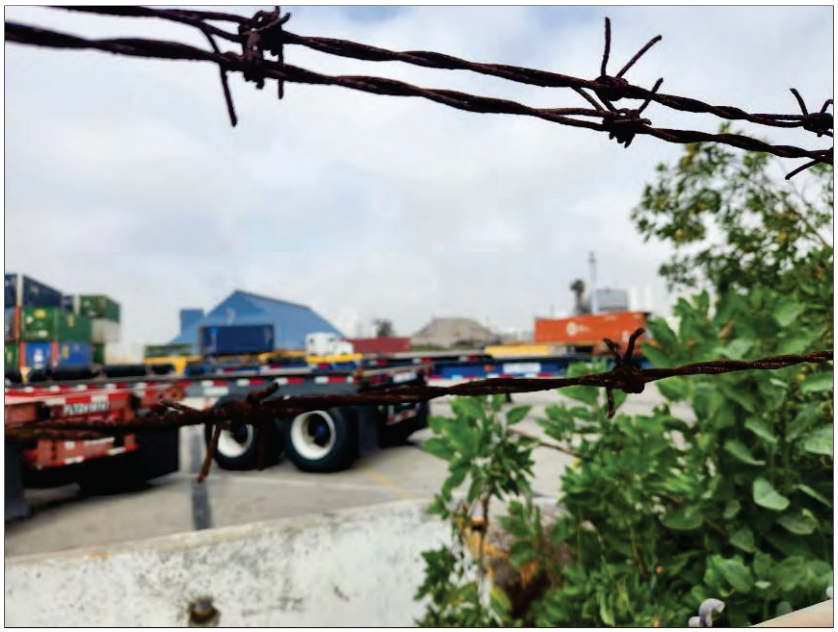


Photo 9: Union Pacific ICTF Intermodal Terminal Facing West Along Route Path



Photo 10: Construction Site Located North of Substation (Route Termination Point) and Electrical Substation

Appendix B

EDR Radius Report with GeoCheck

Avocet Gen-Tie
23320 South Alameda Street
Long Beach, CA 90810

Inquiry Number: 7294079.2s
March 30, 2023

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

23320 SOUTH ALAMEDA STREET
LONG BEACH, CA 90810

COORDINATES

Latitude (North):	33.8108460 - 33˚ 48' 39.04''
Longitude (West):	118.2269260 - 118˚ 13' 36.93''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	386439.7
UTM Y (Meters):	3741666.0
Elevation:	23 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	11997952 LONG BEACH, CA
Version Date:	2018
West Map:	11997978 TORRANCE, CA
Version Date:	2018

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140513
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
23320 SOUTH ALAMEDA STREET
LONG BEACH, CA 90810

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	AIR PRODUCTS AND CHE	23320 S ALAMEDA ST	SWEEPS UST, HIST UST, EMI		TP
A2		AIR PROD & CHEM INC;	ERNS		TP
A3	AIR PRODUCTS & CHEMI	23320 ALAMEDA ST S	RGA LUST		TP
A4	AIR PRODUCTS & CHEMI	23320 ALAMEDA ST S	LUST		TP
A5	CARSON LIQUID HYDROG	23320 SOUTH ALAMEDA	WMUDS/SWAT		TP
A6	AIR PRODUCTS & CHEMI	23320 ALAMEDA ST S	FINDS		TP
A7	AIR PRODUCTS MFG COR	23320 S ALAMEDA ST	SWEEPS UST, CA FID UST, LOS ANGELES CO. HMS		TP
A8	AIR PRODS & CHEMS IN	23320 S ALAMEDA ST	SEMS-ARCHIVE, RCRA-SQG		TP
A9	AIR PRODUCTS AND CHE	23320 SOUTH ALAMEDA	HIST UST, HAZNET, HWTS		TP
A10	AIR PRODUCTS & CHEMI	23320 ALAMEDA	ENVIROSTOR, CPS-SLIC, HIST CORTESE, CERS		TP
A11	23320 SOUTH ALAMEDA	23320 S ALAMEDA ST	CIWQS		TP
A12	AIR PRODUCTS AND CHE	23320 ALAMEDA	CPS-SLIC		TP
A13	AIR PRODUCTS & CHEMI	23320 ALAMEDA ST S	RGA LUST		TP
Reg	MONTROSE CHEMICAL CO	20201 S NORMANDIE AV	NPL, SEMS, RCRA-LQG, US ENG CONTROLS, US INST...	Same	1 ft.
14	ARCO (CARSON TERMINA	2149 SEPULVEDA BLVD	LUST, HIST CORTESE, NON-CASE INFO	Lower	349, 0.066, West
B15	WILMINGTON CLA & HOL		FUDS	Higher	457, 0.087, NE
B16	WILMINGTON CLASS&YAR		UXO	Higher	457, 0.087, NE
B17	WILMINGTON CLASS & H		ENVIROSTOR	Higher	457, 0.087, NE
18	DANIEL PASCUAL	2147 W CANTON ST	RCRA NonGen / NLR	Higher	511, 0.097, East
19	CHRISTINA JIMENEZ	2400 W LINCOLN ST	RCRA NonGen / NLR	Higher	722, 0.137, NNE
20	AIR PRODUCTS & CHEMI	33.812778/-118.23138	PFAS ECHO	Higher	832, 0.158, WNW
21	TED HAMMETT	E OF ALAMEDA N OF SE	SEMS-ARCHIVE	Higher	936, 0.177, SSE
C22		23300 S ALAMEDA ST	AST	Lower	1067, 0.202, WNW
C23	AIR PRODUCTS & CHEMI	23300 SOUTH ALAMEDA	CERS HAZ WASTE, CERS TANKS, HAZNET, CERS, HWTS	Lower	1067, 0.202, WNW
C24	AIR PRODUCTS AND CHE	23300 S. ALAMEDA STR	RCRA-LQG	Lower	1067, 0.202, WNW
C25	AIR PRODUCTS AND CHE	23300 SOUTH ALAMEDA	AST	Lower	1067, 0.202, WNW
D26		23208 S ALAMEDA ST	AST	Higher	1185, 0.224, NW
D27	EQUILON ENTERPRISES,	23208 S ALAMEDA ST	HIST UST, EMI	Higher	1185, 0.224, NW
D28	TESORO REFINING & MA	23208 S. ALAMEDA STR	SEMS-ARCHIVE, CORRACTS, RCRA-TSDF, RCRA-LQG, ICIS,...	Higher	1185, 0.224, NW
D29	TESORO REFINING & MA	23208 S ALAMEDA ST	ENVIROSTOR, CHMIRS	Higher	1185, 0.224, NW
D30	SULFUR RECOVERY PLAN	23208 S ALAMEDA ST	AST, CERS HAZ WASTE, HIST UST, CERS TANKS, CHMIRS,...	Higher	1185, 0.224, NW
31	CARLOS AND DIANA CAR	2002 WEST ARLINGTON	RCRA NonGen / NLR	Higher	1195, 0.226, NNE
D32	TESORO SULFUR RECOVE	33.81403/-118.23127	PFAS ECHO	Higher	1211, 0.229, NW
33	ARCO - CARSON TERMIN	2149 SEPULVEDA	CPS-SLIC	Higher	1283, 0.243, SSW
E34	SYLVESTER HARRIS	2336 W. WARDLOW RD	RCRA NonGen / NLR	Higher	1284, 0.243, NNE
E35	SYLVESTER HARRIS	2336 W WARDLOW RD #B	RCRA NonGen / NLR	Higher	1284, 0.243, NNE
36	AMERICAN GOLD STAR M	3020 N GOLD STAR DR	RCRA NonGen / NLR	Higher	1315, 0.249, ENE
F37	WATSON CARBON & CHEM	2021 EAST SEPULVEDA	ENVIROSTOR	Higher	1341, 0.254, SW
38	HARGROVE	NE OF SEPULVEDA & AL	WMUDS/SWAT	Lower	1354, 0.256, WSW

MAPPED SITES SUMMARY

Target Property Address:
23320 SOUTH ALAMEDA STREET
LONG BEACH, CA 90810

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
F39	ARCO CREDIT UNION	1907 SEPULVEDA BLVD	LUST, Cortese, HIST CORTESE, CERS	Lower	1375, 0.260, SW
40	HARDWICK'S DISPOSAL		LOS ANGELES CO LF METHANE	Higher	1391, 0.263, North
41	TEXACO	232000 S. ALAMEDA	Notify 65	Higher	1396, 0.264, NW
G42	MATLACK, INC.	22422 S. ALAMEDA	ENVIROSTOR, SWEEPS UST	Higher	1483, 0.281, North
G43	MATLACK INC	22422 ALAMEDA BLVD S	LUST, Cortese, CERS	Higher	1498, 0.284, North
H44	STATE SALVAGE INC	22500 S ALAMEDA ST	SWRCY, CERS HAZ WASTE, HIST UST, CERS TANKS,...	Higher	1599, 0.303, NNW
H45	COMMERCIAL CARRIERS	22440 ALAMEDA ST S	LUST, CERS HAZ WASTE, SWEEPS UST, CA FID UST,...	Higher	1622, 0.307, North
H46	STATE SALVAGE	22500 ALAMEDA ST S	LUST, Cortese, HIST CORTESE, CERS	Higher	1644, 0.311, NNW
47	MATLACK INC	22422 ALAMEDA	HIST CORTESE	Higher	1658, 0.314, North
I48	ALLCO RECYCLING INC	22620 ALAMEDA	RCRA-SQG, SWF/LF, FINDS, ECHO, LOS ANGELES CO....	Higher	1726, 0.327, NNW
I49	HARDWICK'S DISPOSAL	22620 S. ALAMEDA ST.	SWF/LF	Higher	1736, 0.329, NNW
I50	HARDWICK DISPOSAL PI	22620 SOUTH ALAMEDA	WMUDS/SWAT, LDS, CERS	Higher	1736, 0.329, NNW
51	ACTA SOUTH - PARCEL	S. ALAMEDA ST.	CPS-SLIC	Lower	1750, 0.331, NW
52	ACTA SOUTH - PARCEL	ALAMEDA ST	CPS-SLIC, CHMIRS	Higher	1774, 0.336, WSW
J53	WATSON LAND COMPANY	22400 S ALAMEDA ST	SWF/LF, WMUDS/SWAT, LDS, CERS	Higher	1780, 0.337, North
J54	JOHNS-MANVILLE CARSO	22401 SOUTH ALAMEDA	SWF/LF, WMUDS/SWAT	Higher	1781, 0.337, North
K55	CITY OF LONG BEACH	SANTA FE AVE	LUST	Higher	1872, 0.355, ENE
K56	CITY OF LONG BEACH	SANTA FE AVE	LUST, Cortese, HIST CORTESE	Higher	1872, 0.355, ENE
L57	ALAMEDA STREET LANDF	22700 SO ALAMEDA ST	SWF/LF, LOS ANGELES CO LF METHANE	Higher	1877, 0.355, NNW
L58	ALAMEDA STREET	22700 SOUTH ALAMEDA	WMUDS/SWAT	Higher	1877, 0.355, NNW
L59	CASSIDY & CRISMAN-CA	22700 SOUTH ALAMEDA	WMUDS/SWAT	Higher	1877, 0.355, NNW
M60	CHEMOIL TERMINALS CO	2365 E SEPULVEDA BLV	CPS-SLIC, CERS HAZ WASTE, CERS TANKS, EMI, LOS...	Higher	1896, 0.359, SSE
M61	CHEMOIL TANK FARM &	2365 SEPULVEDA	CPS-SLIC	Higher	1896, 0.359, SSE
L62	ALAMEDA ST SAN LDFL	22700 S ALAMEDA ST	ENVIROSTOR, EMI	Higher	1898, 0.359, NNW
L63	ALAMEDA ST SAN LDFL	22700 S ALAMEDA ST	SEMS	Higher	1898, 0.359, NNW
M64	WATSON LAND CO. - BL	2222 SEPULVEDA	CPS-SLIC	Higher	1948, 0.369, South
65	ACTA SOUTH - PARCEL	S ALAMEDA ST	CPS-SLIC, CHMIRS	Higher	1981, 0.375, North
66	SUPREME EUPHORIA	2943 SANTA FE AVE	LUST, Cortese, HIST CORTESE, CERS	Higher	2025, 0.384, East
N67	ACTA PARCEL PCH-1553	E. ALAMEDA ST.	CPS-SLIC	Higher	2115, 0.401, North
N68	ACTA PARCEL PCH-1554	E. ALAMEDA ST	CPS-SLIC	Higher	2115, 0.401, North
N69	ACTA PARCEL PCH-1552	E. ALAMEDA ST	CPS-SLIC	Higher	2115, 0.401, North
O70	JOHNS-MANVILLE SALES	2430 E 223RD	SEMS-ARCHIVE, RCRA-SQG	Higher	2211, 0.419, North
O71	1X JOHNS-MANVILLE CO	2420 E 223RD ST	SWF/LF, HWTS	Higher	2259, 0.428, NNW
72	UNITED OIL #05	3631 SANTA FE AVE	LUST, Cortese, HIST CORTESE, CERS	Higher	2264, 0.429, NE
O73	MANVILLE PLANT	2420 223RD ST E	RESPONSE, ENVIROSTOR, LUST, DEED, Cortese, HIST...	Higher	2308, 0.437, NNW
O74	MANVILLE CORPORATION	2420 EAST 223RD STRE	HIST Cal-Sites, CA BOND EXP. PLAN, CERS	Higher	2308, 0.437, NNW
75	VENTURA TRANSFER COM	2418 EAST 223RD STRE	RCRA-LQG, LUST, SWEEPS UST, HIST UST, CA FID UST,...	Higher	2371, 0.449, NW
P76	IMPORT DEALERS SERVI	2222 SEPULVEDA	HIST UST, HIST CORTESE	Higher	2371, 0.449, SSE
P77	PHILIP WEST INDUSTRI	2222 E SEPULVEDA	HWP, HAZNET, HWTS	Higher	2371, 0.449, SSE

MAPPED SITES SUMMARY

Target Property Address:
23320 SOUTH ALAMEDA STREET
LONG BEACH, CA 90810

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
P78	WATSON LAND CO. - BL	2222 E. SEPULVEDA BL	CPS-SLIC, CERS	Higher	2371, 0.449, SSE
P79	IMPORT DEALERS SERVI	2222 SEPULVEDA BLVD	LUST, Cortese, CERS	Higher	2389, 0.452, SSE
O80	VENTURA TRANSFER COM	2418 223RD ST. E.	LUST, Cortese	Higher	2413, 0.457, NNW
81	SHELL #204-4482-6307	1700 WARDLOW RD W	LUST, Cortese, HIST CORTESE, CERS	Higher	2437, 0.462, NE
Q82	TEXACO - LONG BEACH	1600 E. SPRING ST	CPS-SLIC, CERS	Higher	2455, 0.465, East
Q83	TEXACO - LONG BEACH	1600 SPRING	CPS-SLIC	Higher	2462, 0.466, East
84	MANVILLE PLANT SITE	2400 E. 223RD STREET	WMUDS/SWAT	Higher	2516, 0.477, NNW
R85	CARSON TERMINAL EXPA	2000 EAST SEPULVEDA	Toxic Pits, CHMIRS, ENF, NPDES, CIWQS	Higher	2875, 0.545, SSW
R86	GATX TANK STORAGE TE	2000 E SEPULVEDA BLV	ENVIROSTOR, CPS-SLIC, CHMIRS, LA Co. Site...	Higher	2875, 0.545, SSW
S87	TESORO CARSON REFINE	1801 E SEPULVEDA BLV	SEMS-ARCHIVE, CORRACTS, RCRA-TSDF, RCRA-LQG, US...	Higher	3593, 0.680, WSW
S88	BP CARSON REFINERY	1801 SEPULVEDA	ENVIROSTOR, CHMIRS, CIWQS	Higher	3593, 0.680, WSW
S89	BP WEST COAST PRODUC	1801 E SEPULVEDA BLV	ENVIROSTOR	Higher	3593, 0.680, WSW
S90	TESORO CARSON REFINE	1801 E SEPULVEDA BLV	ICE, HWP	Higher	3593, 0.680, WSW
91	B F GOODRICH	2104 E 223RD ST	ENVIROSTOR, VCP, SWEEPS UST, CA FID UST, EMI, LOS...	Higher	3729, 0.706, NW
T92	LAGUNA DOMINGEZ OIL		FUDS	Higher	3957, 0.749, SSW
T93	LAGUNA DOM OIL SF PL		ENVIROSTOR	Higher	3958, 0.750, SSW
U94	COONS TRUST PROPERTY	2254 E. 223RD STREET	ENVIROSTOR, CPS-SLIC, VCP, DEED, CERS	Higher	3983, 0.754, NNW
U95	STAUFFER MANAGEMENT	2112 EAST 223RD STRE	SEMS-ARCHIVE, CORRACTS, RCRA-TSDF, RCRA-LQG,...	Higher	3983, 0.754, NNW
T96	L.A. ORDNANCE DEPOT		ENVIROSTOR	Higher	3996, 0.757, SSW
T97	MANUEL WAREHOUSE		ENVIROSTOR	Higher	4022, 0.762, SSW
98	LONG BEACH USD-BOARD	1515 HUGHES WAY	ENVIROSTOR, SCH, HAZNET, CERS, HWTS	Higher	4035, 0.764, NNE
V99	SHELL OIL	1622 E. SEPULVEDA BL	Notify 65	Higher	4107, 0.778, WSW
V100	WILMINGTON COMPLEX	1622 EAST SEPULVEDA	Notify 65	Higher	4107, 0.778, WSW
V101	WILMINGTON REFINERY	1622 EAST SEPULVEDA	ENVIROSTOR	Higher	4107, 0.778, WSW
U102	STAUFFER MANAGEMENT	2201_E_223RD ST OFF	RCRA-SQG, RESPONSE, ENVIROSTOR, LUST, CPS-SLIC,...	Higher	4158, 0.788, NNW
W103	SOLUTIA INC. CARSON	2100 EAST 223RD STRE	CORRACTS, RCRA-TSDF, RCRA-LQG, HWP	Higher	4300, 0.814, NW
W104	MONSANTO CHEMICAL CO	2100 E 223RD ST	ENVIROSTOR, CPS-SLIC, HIST Cal-Sites, SWEEPS UST,...	Higher	4300, 0.814, NW
105	MONSANTO CHEMICAL CO	2100 223RD	RESPONSE, ENVIROSTOR, Cortese, HIST CORTESE	Higher	4349, 0.824, NW
X106	RAYTHEON SYSTEMS CO	1500 HUGHES WAY	SEMS, CORRACTS, RCRA-TSDF, RCRA-SQG	Higher	4526, 0.857, NE
X107	HUGHES AIRCRAFT COMP	1500 HUGHES WAY	EMI, HWP	Higher	4526, 0.857, NE
X108	HUGHES TECHNICAL SER	1500,1665 HUGHES WAY	ENVIROSTOR, FINDS, EMI, CERS	Higher	4526, 0.857, NE
109	COMMONWELATH ALUMINU	2211 E. CARSON ST.	RCRA-SQG, ENVIROSTOR, SWF/LF, LUST, DEED, HIST...	Higher	4659, 0.882, North
Y110	NIKLOR CHEMICAL CO I	2060 E 220TH ST	ENVIROSTOR	Higher	4689, 0.888, NNW
Y111	NIKLOR CHEMICAL COMP	2060 E. 220TH ST.	ENVIROSTOR, HIST UST	Higher	4689, 0.888, NNW
Y112	NIKLOR CHEMICAL CO.,	2060 E 220TH STREET	SEMS-ARCHIVE, CORRACTS, RCRA NonGen / NLR, HWP,...	Higher	4689, 0.888, NNW
Z113	PHILLIPS 66 CO LOS A	1520 E SEPULVEDA BLV	CORRACTS, RCRA-TSDF, RCRA-LQG, UST, SWEEPS UST, CA	Higher	4889, 0.926, WSW
Z114	PACIFIC PIPELINE SYS	1520 E SEPULVEDA BLV	ENVIROSTOR, CPS-SLIC, CERS HAZ WASTE, CERS TANKS,...	Higher	4889, 0.926, WSW
Z115	SGS INDUSTRIAL	1520 E SEPULVEDA	DEED, ICE, HWP, HAZNET, HWTS	Higher	4889, 0.926, WSW
116	DAVIDSON CITY SUBSTA	1521 WEST CARSON STR	ENVIROSTOR, VCP	Higher	4962, 0.940, NNE

MAPPED SITES SUMMARY

Target Property Address:
23320 SOUTH ALAMEDA STREET
LONG BEACH, CA 90810

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
117	ALPERT & ALPERT IRON	21930 S. WILMINGTON	ENVIROSTOR, HIST UST	Higher	5176, 0.980, NNW
118	CLEAN STEEL INC.	2061 E. 220TH STREET	ENVIROSTOR	Higher	5218, 0.988, NNW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 9 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
AIR PRODUCTS AND CHE 23320 S ALAMEDA ST LONG BEACH, CA 90810	SWEEPS UST Status: A Tank Status: A Comp Number: 3098 HIST UST Facility Id: 00000003098 EMI Facility Id: 3417	N/A
AIR PROD & CHEM INC; AIR PROD & CHEM INC; LONG BEACH, CA	ERNS	N/A
AIR PRODUCTS & CHEMI 23320 ALAMEDA ST S CARSON, CA	RGA LUST	N/A
AIR PRODUCTS & CHEMI 23320 ALAMEDA ST S CARSON, CA 90810	LUST Database: LUST REG 4, Date of Government Version: 09/07/2004 Global ID: T0603703068 Facility Id: I-05385 Status: Case Closed	N/A
CARSON LIQUID HYDROG 23320 SOUTH ALAMEDA CARSON ,CA, CA 90810	WMUDS/SWAT	N/A
AIR PRODUCTS & CHEMI 23320 ALAMEDA ST S CARSON, CA 90810	FINDS Registry ID:: 110065112087	N/A
AIR PRODUCTS MFG COR 23320 S ALAMEDA ST CARSON, CA 90810	SWEEPS UST Status: A Tank Status: A Comp Number: 5385 CA FID UST Facility Id: 19050949 Status: A LOS ANGELES CO. HMS	N/A

EXECUTIVE SUMMARY

	Facility ID: 005186-I05385 Facility ID: 005186-005385	
AIR PRODS & CHEMS IN 23320 S ALAMEDA ST LONG BEACH, CA 90810	SEMS-ARCHIVE Site ID: 0902667 EPA Id: CAT080010655 RCRA-SQG EPA ID:: CAT080010655	CAT080010655
AIR PRODUCTS AND CHE 23320 SOUTH ALAMEDA LONG BEACH, CA 90810	HIST UST HAZNET GEPAID: CAT080010655 HWTS	N/A
AIR PRODUCTS & CHEMI 23320 ALAMEDA LONG BEACH, CA 90810	ENVIROSTOR Facility Id: 19281007 Status: Refer: RWQCB CPS-SLIC Database: CPS-SLIC, Date of Government Version: 12/02/2022 Facility Status: Completed - Case Closed Global Id: T0603703068 HIST CORTESE Reg Id: I-05385 Reg Id: 19281007 CERS	N/A
23320 SOUTH ALAMEDA 23320 S ALAMEDA ST LONG BEACH, CA 90810	CIWQS	N/A
AIR PRODUCTS AND CHE 23320 ALAMEDA CARSON, CA 90810	CPS-SLIC Database: SLIC REG 4, Date of Government Version: 11/17/2004 Facility Status: No further action required	N/A
AIR PRODUCTS & CHEMI 23320 ALAMEDA ST S CARSON, CA	RGA LUST	N/A

EXECUTIVE SUMMARY

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

Proposed NPL - Proposed National Priority List Sites
NPL LIENS - Federal Superfund Liens

Lists of Federal Delisted NPL sites

Delisted NPL - National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY - Federal Facility Site Information listing

Lists of Federal RCRA generators

RCRA-VSQG - RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS - Land Use Control Information System

Lists of state and tribal leaking storage tanks

INDIAN LUST - Leaking Underground Storage Tanks on Indian Land

Lists of state and tribal registered storage tanks

FEMA UST - Underground Storage Tank Listing
UST - Active UST Facilities
INDIAN UST - Underground Storage Tanks on Indian Land

Lists of state and tribal voluntary cleanup sites

INDIAN VCP - Voluntary Cleanup Priority Listing
VCP - Voluntary Cleanup Program Properties

Lists of state and tribal brownfield sites

BROWNFIELDS - Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS - A Listing of Brownfields Sites

EXECUTIVE SUMMARY

Local Lists of Landfill / Solid Waste Disposal Sites

HAULERS ---- Registered Waste Tire Haulers Listing
INDIAN ODI ---- Report on the Status of Open Dumps on Indian Lands
ODI ---- Open Dump Inventory
DEBRIS REGION 9 ---- Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS ---- Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

AOCONCERN ---- Key Areas of Concerns in Los Angeles County
US HIST CDL ---- Delisted National Clandestine Laboratory Register
SCH ---- School Property Evaluation Program
CDL ---- Clandestine Drug Labs
US CDL ---- National Clandestine Laboratory Register

Local Land Records

LIENS ---- Environmental Liens Listing
LIENS 2 ---- CERCLA Lien Information

Records of Emergency Release Reports

HMIRS ---- Hazardous Materials Information Reporting System
CHMIRS ---- California Hazardous Material Incident Report System
LDS ---- Land Disposal Sites Listing
MCS ---- Military Cleanup Sites Listing
SPILLS 90 ---- SPILLS 90 data from FirstSearch

Other Ascertainable Records

DOD ---- Department of Defense Sites
SCRD DRYCLEANERS ---- State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR ---- Financial Assurance Information
EPA WATCH LIST ---- EPA WATCH LIST
2020 COR ACTION ---- 2020 Corrective Action Program List
TSCA ---- Toxic Substances Control Act
TRIS ---- Toxic Chemical Release Inventory System
SSTS ---- Section 7 Tracking Systems
RMP ---- Risk Management Plans
RAATS ---- RCRA Administrative Action Tracking System
PRP ---- Potentially Responsible Parties
PADS ---- PCB Activity Database System
ICIS ---- Integrated Compliance Information System
FTTS ---- FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS ---- Material Licensing Tracking System
COAL ASH DOE ---- Steam-Electric Plant Operation Data
COAL ASH EPA ---- Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER ---- PCB Transformer Registration Database
RADINFO ---- Radiation Information Database
HIST FTTS ---- FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS ---- Incident and Accident Data
INDIAN RESERV ---- Indian Reservations

FUSRAP Formerly Utilized Sites Remedial Action Program
UMTRA Uranium Mill Tailings Sites
LEAD SMELTERS Lead Smelter Sites
US AIRS Aerometric Information Retrieval System Facility Subsystem
US MINES Mines Master Index File
ABANDONED MINES Abandoned Mines
ECHO Enforcement & Compliance History Information
DOCKET HWC Hazardous Waste Compliance Docket Listing
FUELS PROGRAM EPA Fuels Program Registered Listing
PFAS NPL Superfund Sites with PFAS Detections Information
PFAS FEDERAL SITES Federal Sites PFAS Information
PFAS TSCA PFAS Manufacture and Imports Information
PFAS RCRA MANIFEST PFAS Transfers Identified In the RCRA Database Listing
PFAS ATSDR PFAS Contamination Site Location Listing
PFAS WQP Ambient Environmental Sampling for PFAS
PFAS NPDES Clean Water Act Discharge Monitoring Information
PFAS ECHO FIRE TRAINING Facilities in Industries that May Be Handling PFAS Listing
PFAS PART 139 AIRPORT All Certified Part 139 Airports PFAS Information Listing
AQUEOUS FOAM NRC Aqueous Foam Related Incidents Listing
PFAS PFAS Contamination Site Location Listing
AQUEOUS FOAM Former Fire Training Facility Assessments Listing
CUPA Listings CUPA Resources List
DRYCLEANERS Cleaner Facilities
ENF Enforcement Action Listing
Financial Assurance Financial Assurance Information Listing
ICE ICE
HWT Registered Hazardous Waste Transporter Database
MINES Mines Site Location Listing
MWMP Medical Waste Management Program Listing
NPDES NPDES Permits Listing
PEST LIC Pesticide Regulation Licenses Listing
HAZMAT Hazardous Material Facilities
LA Co. Site Mitigation Site Mitigation List
UIC UIC Listing
UIC GEO UIC GEO (GEOTRACKER)
WASTEWATER PITS Oil Wastewater Pits Listing
WDS Waste Discharge System
WIP Well Investigation Program Case List
MILITARY PRIV SITES MILITARY PRIV SITES (GEOTRACKER)
PROJECT PROJECT (GEOTRACKER)
WDR Waste Discharge Requirements Listing
NON-CASE INFO NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ Well Stimulation Project (GEOTRACKER)
MINES MRDS Mineral Resources Data System
PFAS TRIS List of PFAS Added to the TRI

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP EDR Proprietary Manufactured Gas Plants

EDR Hist Auto---------- EDR Exclusive Historical Auto Stations
EDR Hist Cleaner---------- EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF---------- Recovered Government Archive Solid Waste Facilities List

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: Also known as Superfund, the National Priority List database is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund program. The source of this database is the U.S. EPA.

A review of the NPL list, as provided by EDR, and dated 01/25/2023 has revealed that there is 1 NPL site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MONTROSE CHEMICAL CO Cerclis ID:: 900993 EPA Id: CAD008242711	***20201 S NORMANDIE AV***	***0 - 1/8 (0.000 mi.)***	***0***	***41***

Lists of Federal sites subject to CERCLA removals and CERCLA orders

SEMS: SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the SEMS list, as provided by EDR, and dated 01/25/2023 has revealed that there are 2

SEMS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MONTROSE CHEMICAL CO Site ID: 0900993 EPA Id: CAD008242711	***20201 S NORMANDIE AV***	***0 - 1/8 (0.000 mi.)***	***0***	***41***
ALAMEDA ST SAN LDFL Site ID: 0901806 EPA Id: CAD980636393	22700 S ALAMEDA ST	NNW 1/4 - 1/2 (0.359 mi.)	L63	342

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 01/25/2023 has revealed that there are 3 SEMS-ARCHIVE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TED HAMMETT Site ID: 0901812 EPA Id: CAD980636450	E OF ALAMEDA N OF SE	SSE 1/8 - 1/4 (0.177 mi.)	21	120
TESORO REFINING & MA Site ID: 0900240 EPA Id: CAT000646331	***23208 S. ALAMEDA STR***	***NW 1/8 - 1/4 (0.224 mi.)***	***D28***	***147***
JOHNS-MANVILLE SALES Site ID: 0901475 EPA Id: CAD060386596	***2430 E 223RD***	***N 1/4 - 1/2 (0.419 mi.)***	***O70***	***350***

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 03/06/2023 has revealed that there are 7 CORRACTS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TESORO REFINING & MA	***23208 S. ALAMEDA STR***	***NW 1/8 - 1/4 (0.224 mi.)***	***D28***	***147***

EPA ID:: CAT000646331				
TESORO CARSON REFINE	***1801 E SEPULVEDA BLV***	***WSW 1/2 - 1 (0.680 mi.)***	***S87***	***528***
EPA ID:: CAD077227049				
STAUFFER MANAGEMENT	***2112 EAST 223RD STRE***	***NNW 1/2 - 1 (0.754 mi.)***	***U95***	***683***
EPA ID:: CAD076941103				
SOLUTIA INC. CARSON	***2100 EAST 223RD STRE***	***NW 1/2 - 1 (0.814 mi.)***	***W103***	***778***
EPA ID:: CAD043555366				
RAYTHEON SYSTEMS CO	***1500 HUGHES WAY***	***NE 1/2 - 1 (0.857 mi.)***	***X106***	***854***
EPA ID:: CAT080012867				
NIKLOR CHEMICAL CO.,	***2060 E 220TH STREET***	***NNW 1/2 - 1 (0.888 mi.)***	***Y112***	***893***
EPA ID:: CAD008392052				
PHILLIPS 66 CO LOS A	***1520 E SEPULVEDA BLV***	***WSW 1/2 - 1 (0.926 mi.)***	***Z113***	***910***
EPA ID:: CAD980881676				

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRA-TSDF list, as provided by EDR, and dated 03/06/2023 has revealed that there is 1 RCRA-TSDF site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TESORO REFINING & MA	***23208 S. ALAMEDA STR***	***NW 1/8 - 1/4 (0.224 mi.)***	***D28***	***147***
EPA ID:: CAT000646331				

Lists of Federal RCRA generators

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 03/06/2023 has revealed that there are 3 RCRA-LQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MONTROSE CHEMICAL CO	***20201 S NORMANDIE AV***	***0 - 1/8 (0.000 mi.)***	***0***	***41***
EPA ID:: CAD008242711				
TESORO REFINING & MA	***23208 S. ALAMEDA STR***	***NW 1/8 - 1/4 (0.224 mi.)***	***D28***	***147***

EPA ID:: CAT000646331

Lower Elevation	Address	Direction / Distance	Map ID	Page
AIR PRODUCTS AND CHE EPA ID:: CAR000056135	23300 S. ALAMEDA STR	WNW 1/8 - 1/4 (0.202 mi.)	C24	138

Federal institutional controls / engineering controls registries

US ENG CONTROLS: A listing of sites with engineering controls in place.

A review of the US ENG CONTROLS list, as provided by EDR, and dated 10/27/2022 has revealed that there is 1 US ENG CONTROLS site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MONTROSE CHEMICAL CO EPA ID:: CAD008242711 EPA ID:: CAD008242711	***20201 S NORMANDIE AV***	***0 - 1/8 (0.000 mi.)***	***0***	***41***

US INST CONTROLS: A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

A review of the US INST CONTROLS list, as provided by EDR, and dated 10/27/2022 has revealed that there is 1 US INST CONTROLS site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MONTROSE CHEMICAL CO EPA ID:: CAD008242711	***20201 S NORMANDIE AV***	***0 - 1/8 (0.000 mi.)***	***0***	***41***

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE: Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

A review of the RESPONSE list, as provided by EDR, has revealed that there are 3 RESPONSE sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MANVILLE PLANT Database: RESPONSE, Date of Government Version: 10/24/2022 Status: Certified O&M - Land Use Restrictions Only Facility Id: 19320001	***2420 223RD ST E***	***NNW 1/4 - 1/2 (0.437 mi.)***	***O73***	***366***
STAUFFER MANAGEMENT Database: RESPONSE, Date of Government Version: 10/24/2022	***2201_E_223RD ST OFF***	***NNW 1/2 - 1 (0.788 mi.)***	***U102***	***733***

Status: Active
Facility Id: 19280083

MONSANTO CHEMICAL CO ***2100 223RD*** ***NW 1/2 - 1 (0.824 mi.)*** ***105*** ***812***
Database: RESPONSE, Date of Government Version: 10/24/2022
Status: Active
Facility Id: 19281200

Lists of state- and tribal hazardous waste facilities

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 10/24/2022 has revealed that there are 28 ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WILMINGTON CLASS & H Facility Id: 80000531 Status: Inactive - Needs Evaluation		NE 0 - 1/8 (0.087 mi.)	B17	113
TESORO REFINING & MA Facility Id: 80001817 Status: Inactive - Action Required	***23208 S ALAMEDA ST***	***NW 1/8 - 1/4 (0.224 mi.)***	***D29***	***184***
WATSON CARBON & CHEM Facility Id: 19280751 Status: Refer: Other Agency	2021 EAST SEPULVEDA	SW 1/4 - 1/2 (0.254 mi.)	F37	221
MATLACK, INC. Facility Id: 71002109 Status: Refer: Other Agency	***22422 S. ALAMEDA***	***N 1/4 - 1/2 (0.281 mi.)***	***G42***	***229***
ALAMEDA ST SAN LDFL Facility Id: 60001198 Status: Inactive - Needs Evaluation	***22700 S ALAMEDA ST***	***NNW 1/4 - 1/2 (0.359 mi.)***	***L62***	***339***
MANVILLE PLANT Facility Id: 19320001 Status: Certified O&M - Land Use Restrictions Only	***2420 223RD ST E***	***NNW 1/4 - 1/2 (0.437 mi.)***	***O73***	***366***
GATX TANK STORAGE TE Facility Id: 71002322 Status: Refer: Other Agency	***2000 E SEPULVEDA BLV***	***SSW 1/2 - 1 (0.545 mi.)***	***R86***	***515***
BP CARSON REFINERY Facility Id: 19290015 Status: Refer: RCRA	***1801 SEPULVEDA***	***WSW 1/2 - 1 (0.680 mi.)***	***S88***	***620***
BP WEST COAST PRODUC	1801 E SEPULVEDA BLV	WSW 1/2 - 1 (0.680 mi.)	S89	634

Facility Id: 80001685 Status: Refer: RWQCB				
B F GOODRICH Facility Id: 60003154 Status: Active	***2104 E 223RD ST***	***NW 1/2 - 1 (0.706 mi.)***	***91***	***664***
LAGUNA DOM OIL SF PL Facility Id: 80000184 Status: Inactive - Needs Evaluation		SSW 1/2 - 1 (0.750 mi.)	T93	673
COONS TRUST PROPERTY Facility Id: 70000172 Status: Certified O&M - Land Use Restrictions Only	***2254 E. 223RD STREET***	***NNW 1/2 - 1 (0.754 mi.)***	***U94***	***674***
STAUFFER MANAGEMENT Facility Id: 80001681 Status: Inactive - Needs Evaluation	***2112 EAST 223RD STRE***	***NNW 1/2 - 1 (0.754 mi.)***	***U95***	***683***
L.A. ORDNANCE DEPOT Facility Id: 80001029 Status: Inactive - Needs Evaluation		SSW 1/2 - 1 (0.757 mi.)	T96	720
MANUEL WAREHOUSE Facility Id: 80001099 Status: Inactive - Needs Evaluation		SSW 1/2 - 1 (0.762 mi.)	T97	721
LONG BEACH USD-BOARD Facility Id: 60002177 Status: Active	***1515 HUGHES WAY***	***NNE 1/2 - 1 (0.764 mi.)***	***98***	***722***
WILMINGTON REFINERY Facility Id: 19290284 Status: Refer: Other Agency	1622 EAST SEPULVEDA	WSW 1/2 - 1 (0.778 mi.)	V101	732
STAUFFER MANAGEMENT Facility Id: 19280083 Status: Active	***2201_E_223RD ST OFF***	***NNW 1/2 - 1 (0.788 mi.)***	***U102***	***733***
MONSANTO CHEMICAL CO Facility Id: 80001380 Status: Inactive - Needs Evaluation	***2100 E 223RD ST***	***NW 1/2 - 1 (0.814 mi.)***	***W104***	***795***
MONSANTO CHEMICAL CO Facility Id: 19281200 Status: Active	***2100 223RD***	***NW 1/2 - 1 (0.824 mi.)***	***105***	***812***
HUGHES TECHNICAL SER Facility Id: 80001843 Status: No Action Required	***1500,1665 HUGHES WAY***	***NE 1/2 - 1 (0.857 mi.)***	***X108***	***869***
COMMONWELATH ALUMINU Facility Id: 71004111 Status: Certified O&M - Land Use Restrictions Only	***2211 E. CARSON ST.***	***N 1/2 - 1 (0.882 mi.)***	***109***	***874***
NIKLOR CHEMICAL CO I Facility Id: 80001581 Status: No Action Required	2060 E 220TH ST	NNW 1/2 - 1 (0.888 mi.)	Y110	889
NIKLOR CHEMICAL COMP Facility Id: 19281226 Status: Refer: 1248 Local Agency	***2060 E. 220TH ST.***	***NNW 1/2 - 1 (0.888 mi.)***	***Y111***	***890***
PACIFIC PIPELINE SYS Facility Id: 80001752	***1520 E SEPULVEDA BLV***	***WSW 1/2 - 1 (0.926 mi.)***	***Z114***	***1078***

Status: Refer: RWQCB

DAVIDSON CITY SUBSTA	***1521 WEST CARSON STR***	***NNE 1/2 - 1 (0.940 mi.)***	***116***	***1184***
Facility Id: 60003160 Status: Active				
ALPERT & ALPERT IRON	***21930 S. WILMINGTON***	***NNW 1/2 - 1 (0.980 mi.)***	***117***	***1186***
Facility Id: 19990052 Status: Refer: 1248 Local Agency				
CLEAN STEEL INC.	2061 E. 220TH STREET	NNW 1/2 - 1 (0.988 mi.)	118	1188
Facility Id: 70000130 Status: Refer: 1248 Local Agency				

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the Integrated Waste Management Board's Solid Waste Information System (SWIS) database.

A review of the SWF/LF list, as provided by EDR, has revealed that there are 6 SWF/LF sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ALLCO RECYCLING INC	***22620 ALAMEDA***	***NNW 1/4 - 1/2 (0.327 mi.)***	***I48***	***278***
Database: LOS ANGELES CO. LF, Date of Government Version: 01/09/2023 Status: Closed Site ID: 1956				
HARDWICK'S DISPOSAL	22620 S. ALAMEDA ST.	NNW 1/4 - 1/2 (0.329 mi.)	I49	285
Database: SWF/LF (SWIS), Date of Government Version: 11/03/2022 Regulation Status: Permitted Facility ID: 19-AQ-0015 Operational Status: Closed				
WATSON LAND COMPANY	***22400 S ALAMEDA ST***	***N 1/4 - 1/2 (0.337 mi.)***	***J53***	***291***
Database: SWF/LF (SWIS), Date of Government Version: 11/03/2022 Regulation Status: Unpermitted Facility ID: 19-AQ-5026 Operational Status: Closed				
JOHNS-MANVILLE CARSO	***22401 SOUTH ALAMEDA***	***N 1/4 - 1/2 (0.337 mi.)***	***J54***	***293***
Database: LOS ANGELES CO. LF, Date of Government Version: 01/09/2023 Status: Closed Site ID: 1965				
ALAMEDA STREET LANDF	***22700 SO ALAMEDA ST***	***NNW 1/4 - 1/2 (0.355 mi.)***	***L57***	***298***
Database: LOS ANGELES CO. LF, Date of Government Version: 01/09/2023 Database: SWF/LF (SWIS), Date of Government Version: 11/03/2022 Regulation Status: Unpermitted Status: Closed Facility ID: 19-AQ-0013 Site ID: 1870 Operational Status: Closed				
1X JOHNS-MANVILLE CO	***2420 E 223RD ST***	***NNW 1/4 - 1/2 (0.428 mi.)***	***O71***	***355***
Database: SWF/LF (SWIS), Date of Government Version: 11/03/2022				

Regulation Status: Not Currently Regulated
Facility ID: 19-AQ-5034
Operational Status: Closed

Lists of state and tribal leaking storage tanks

LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the LUST list, as provided by EDR, has revealed that there are 14 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MATLACK INC	***22422 ALAMEDA BLVD S***	***N 1/4 - 1/2 (0.284 mi.)***	***G43***	***232***
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 12/02/2022 Global ID: T0603702673 Status: Completed - Case Closed Facility Id: I-00124 Status: Case Closed Global Id: T0603702673				
COMMERCIAL CARRIERS	***22440 ALAMEDA ST S***	***N 1/4 - 1/2 (0.307 mi.)***	***H45***	***254***
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 12/02/2022 Global ID: T0603704930 Status: Completed - Case Closed Facility Id: R-10360 Status: Case Closed Global Id: T0603704930				
STATE SALVAGE	***22500 ALAMEDA ST S***	***NNW 1/4 - 1/2 (0.311 mi.)***	***H46***	***275***
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 12/02/2022 Global ID: T0603703845 Status: Completed - Case Closed Facility Id: I-11754 Status: Case Closed Global Id: T0603703845				
CITY OF LONG BEACH	SANTA FE AVE	ENE 1/4 - 1/2 (0.355 mi.)	K55	295
Database: LUST, Date of Government Version: 12/02/2022 Status: Completed - Case Closed Global Id: T0603700028				
CITY OF LONG BEACH	***SANTA FE AVE***	***ENE 1/4 - 1/2 (0.355 mi.)***	***K56***	***296***
Database: LUST REG 4, Date of Government Version: 09/07/2004 Global ID: T0603700028 Facility Id: 001020 Status: Leak being confirmed				
SUPREME EUPHORIA	***2943 SANTA FE AVE***	***E 1/4 - 1/2 (0.384 mi.)***	***66***	***346***
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 12/02/2022				

Global ID: T0603701914
Status: Completed - Case Closed
Facility Id: 908100207
Status: Leak being confirmed
Global Id: T0603701914

UNITED OIL #05 ***3631 SANTA FE AVE*** ***NE 1/4 - 1/2 (0.429 mi.)*** ***72*** ***357***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 12/02/2022
Global ID: T0603701910
Status: Completed - Case Closed
Facility Id: 908100161
Status: Remediation Plan
Global Id: T0603701910

MANVILLE PLANT ***2420 223RD ST E*** ***NNW 1/4 - 1/2 (0.437 mi.)*** ***O73*** ***366***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 12/02/2022
Global ID: T0603702687
Status: Completed - Case Closed
Facility Id: I-00223
Status: Case Closed
Global Id: T0603702687

VENTURA TRANSFER COM ***2418 EAST 223RD STRE*** ***NW 1/4 - 1/2 (0.449 mi.)*** ***75*** ***380***
Database: LUST, Date of Government Version: 12/02/2022
Status: Completed - Case Closed
Global Id: T10000002682

IMPORT DEALERS SERVI ***2222 SEPULVEDA BLVD*** ***SSE 1/4 - 1/2 (0.452 mi.)*** ***P79*** ***433***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 12/02/2022
Global ID: T0603703199
Status: Completed - Case Closed
Facility Id: I-06353
Status: Case Closed
Global Id: T0603703199

VENTURA TRANSFER COM ***2418 223RD ST. E.*** ***NNW 1/4 - 1/2 (0.457 mi.)*** ***O80*** ***436***
Database: LUST, Date of Government Version: 12/02/2022
Status: Completed - Case Closed
Global Id: T0603721950

SHELL #204-4482-6307 ***1700 WARDLOW RD W*** ***NE 1/4 - 1/2 (0.462 mi.)*** ***81*** ***439***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 12/02/2022
Global ID: T0603700084
Status: Completed - Case Closed
Facility Id: 053095-19
Status: Case Closed
Global Id: T0603700084

Lower Elevation	Address	Direction / Distance	Map ID	Page

ARCO (CARSON TERMINA ***2149 SEPULVEDA BLVD*** ***W 0 - 1/8 (0.066 mi.)*** ***14*** ***109***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Global ID: T0603705191
Facility Id: R-13337
Status: Pollution Characterization

ARCO CREDIT UNION ***1907 SEPULVEDA BLVD*** ***SW 1/4 - 1/2 (0.260 mi.)*** ***F39*** ***224***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 12/02/2022

EXECUTIVE SUMMARY

Global ID: T0603704294
Status: Completed - Case Closed
Facility Id: I-15338
Status: Leak being confirmed
Global Id: T0603704294

CPS-SLIC: Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the CPS-SLIC list, as provided by EDR, has revealed that there are 13 CPS-SLIC sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ARCO - CARSON TERMIN Database: SLIC REG 4, Date of Government Version: 11/17/2004 Facility Status: Inactive	2149 SEPULVEDA	SSW 1/8 - 1/4 (0.243 mi.)	33	214
ACTA SOUTH - PARCEL Database: CPS-SLIC, Date of Government Version: 12/02/2022 Facility Status: Completed - Case Closed Global Id: SL0603779405	***ALAMEDA ST***	***WSW 1/4 - 1/2 (0.336 mi.)***	***52***	***289***
CHEMOIL TERMINALS CO Database: CPS-SLIC, Date of Government Version: 12/02/2022 Facility Status: Open - Site Assessment Global Id: SL374472460	***2365 E SEPULVEDA BLV***	***SSE 1/4 - 1/2 (0.359 mi.)***	***M60***	***303***
CHEMOIL TANK FARM & Database: SLIC REG 4, Date of Government Version: 11/17/2004 Facility Status: Site Assessment	2365 SEPULVEDA	SSE 1/4 - 1/2 (0.359 mi.)	M61	339
WATSON LAND CO. - BL Database: SLIC REG 4, Date of Government Version: 11/17/2004 Facility Status: No further action required	2222 SEPULVEDA	S 1/4 - 1/2 (0.369 mi.)	M64	343
ACTA SOUTH - PARCEL Database: CPS-SLIC, Date of Government Version: 12/02/2022 Facility Status: Completed - Case Closed Global Id: SL0603711571 Global Id: SL0603780998	***S ALAMEDA ST***	***N 1/4 - 1/2 (0.375 mi.)***	***65***	***344***
ACTA PARCEL PCH-1553 Database: CPS-SLIC, Date of Government Version: 12/02/2022 Facility Status: Completed - Case Closed Global Id: SL0603773582	E. ALAMEDA ST.	N 1/4 - 1/2 (0.401 mi.)	N67	349
ACTA PARCEL PCH-1554 Database: CPS-SLIC, Date of Government Version: 12/02/2022 Facility Status: Completed - Case Closed Global Id: SL0603771890	E. ALAMEDA ST	N 1/4 - 1/2 (0.401 mi.)	N68	349
ACTA PARCEL PCH-1552 Database: CPS-SLIC, Date of Government Version: 12/02/2022 Facility Status: Completed - Case Closed Global Id: SL0603741121	E. ALAMEDA ST	N 1/4 - 1/2 (0.401 mi.)	N69	350
WATSON LAND CO. - BL Database: CPS-SLIC, Date of Government Version: 12/02/2022	***2222 E. SEPULVEDA BL***	***SSE 1/4 - 1/2 (0.449 mi.)***	***P78***	***432***

Facility Status: Completed - Case Closed
Global Id: SLT43278276

TEXACO - LONG BEACH ***1600 E. SPRING ST*** ***E 1/4 - 1/2 (0.465 mi.)*** ***Q82*** ***442***
Database: CPS-SLIC, Date of Government Version: 12/02/2022
Facility Status: Completed - Case Closed
Global Id: SLT430119

TEXACO - LONG BEACH 1600 SPRING E 1/4 - 1/2 (0.466 mi.) Q83 443
Database: SLIC REG 4, Date of Government Version: 11/17/2004
Facility Status: No further action required

Lower Elevation	Address	Direction / Distance	Map ID	Page
ACTA SOUTH - PARCEL	S. ALAMEDA ST.	NW 1/4 - 1/2 (0.331 mi.)	51	289
Database: CPS-SLIC, Date of Government Version: 12/02/2022 Facility Status: Completed - Case Closed Global Id: SL0603723245				

Lists of state and tribal registered storage tanks

AST: A listing of aboveground storage tank petroleum storage tank locations.

A review of the AST list, as provided by EDR, has revealed that there are 4 AST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	23208 S ALAMEDA ST	NW 1/8 - 1/4 (0.224 mi.)	D26	143
Database: AST, Date of Government Version: 07/06/2016				
SULFUR RECOVERY PLAN	***23208 S ALAMEDA ST***	***NW 1/8 - 1/4 (0.224 mi.)***	***D30***	***187***
Database: AST, Date of Government Version: 07/06/2016				

Lower Elevation	Address	Direction / Distance	Map ID	Page
Not reported	23300 S ALAMEDA ST	WNW 1/8 - 1/4 (0.202 mi.)	C22	121
Database: AST, Date of Government Version: 07/06/2016				
AIR PRODUCTS AND CHE	23300 SOUTH ALAMEDA	WNW 1/8 - 1/4 (0.202 mi.)	C25	142
Database: AST, Date of Government Version: 07/06/2016				

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: The Waste Management Unit Database System is used for program tracking and inventory of waste management units. The source is the State Water Resources Control Board.

A review of the WMUDS/SWAT list, as provided by EDR, and dated 04/01/2000 has revealed that there are 7 WMUDS/SWAT sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HARDWICK DISPOSAL PI	***22620 SOUTH ALAMEDA***	***NNW 1/4 - 1/2 (0.329 mi.)***	***I50***	***287***
WATSON LAND COMPANY	***22400 S ALAMEDA ST***	***N 1/4 - 1/2 (0.337 mi.)***	***J53***	***291***
JOHNS-MANVILLE CARSO	***22401 SOUTH ALAMEDA***	***N 1/4 - 1/2 (0.337 mi.)***	***J54***	***293***
ALAMEDA STREET	22700 SOUTH ALAMEDA	NNW 1/4 - 1/2 (0.355 mi.)	L58	301
CASSIDY & CRISMAN-CA	22700 SOUTH ALAMEDA	NNW 1/4 - 1/2 (0.355 mi.)	L59	302
MANVILLE PLANT SITE	2400 E. 223RD STREET	NNW 1/4 - 1/2 (0.477 mi.)	84	443

Lower Elevation	Address	Direction / Distance	Map ID	Page
HARGROVE	NE OF SEPULVEDA & AL	WSW 1/4 - 1/2 (0.256 mi.)	38	223

SWRCY: A listing of recycling facilities in California.

A review of the SWRCY list, as provided by EDR, and dated 12/02/2022 has revealed that there is 1 SWRCY site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
STATE SALVAGE INC	***22500 S ALAMEDA ST***	***NNW 1/4 - 1/2 (0.303 mi.)***	***H44***	***235***
Cert Id: RC6764				

Local Lists of Hazardous waste / Contaminated Sites

HIST Cal-Sites: Formerly known as ASPIS, this database contains both known and potential hazardous substance sites. The source is the California Department of Toxic Substance Control. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

A review of the HIST Cal-Sites list, as provided by EDR, and dated 08/08/2005 has revealed that there are 3 HIST Cal-Sites sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MANVILLE CORPORATION	***2420 EAST 223RD STRE***	***NNW 1/4 - 1/2 (0.437 mi.)***	***O74***	***374***
STAUFFER MANAGEMENT	***2112 EAST 223RD STRE***	***NNW 1/2 - 1 (0.754 mi.)***	***U95***	***683***
MONSANTO CHEMICAL CO	***2100 E 223RD ST***	***NW 1/2 - 1 (0.814 mi.)***	***W104***	***795***

Toxic Pits: The Toxic Pits Cleanup Act Sites database identifies sites suspected of containing hazardous substances where cleanup has not yet been completed. The data come from the State Water Resources Control Board.

A review of the Toxic Pits list, as provided by EDR, and dated 07/01/1995 has revealed that there is 1 Toxic Pits site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CARSON TERMINAL EXPA	***2000 EAST SEPULVEDA***	***SSW 1/2 - 1 (0.545 mi.)***	***R85***	***445***
Closure Date: 08/01/91				
Task #: 84021				
Status: CLOSED				

CERS HAZ WASTE: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

A review of the CERS HAZ WASTE list, as provided by EDR, and dated 01/05/2023 has revealed that there are 2 CERS HAZ WASTE sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SULFUR RECOVERY PLAN	*23208 S ALAMEDA ST*	*NW 1/8 - 1/4 (0.224 mi.)*	*D30*	*187*
Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
AIR PRODUCTS & CHEMI	*23300 SOUTH ALAMEDA*	*WNW 1/8 - 1/4 (0.202 mi.)*	*C23*	*122*

Local Lists of Registered Storage Tanks

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 2 HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
EQUILON ENTERPRISES,	*23208 S ALAMEDA ST*	*NW 1/8 - 1/4 (0.224 mi.)*	*D27*	*144*
SULFUR RECOVERY PLAN	*23208 S ALAMEDA ST*	*NW 1/8 - 1/4 (0.224 mi.)*	*D30*	*187*
Facility Id: 00000066990				

CERS TANKS: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

A review of the CERS TANKS list, as provided by EDR, and dated 01/06/2023 has revealed that there are 2 CERS TANKS sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SULFUR RECOVERY PLAN	*23208 S ALAMEDA ST*	*NW 1/8 - 1/4 (0.224 mi.)*	*D30*	*187*
Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
AIR PRODUCTS & CHEMI	*23300 SOUTH ALAMEDA*	*WNW 1/8 - 1/4 (0.202 mi.)*	*C23*	*122*

Local Land Records

DEED: The use of recorded land use restrictions is one of the methods the DTSC uses to protect the public from unsafe exposures to hazardous substances and wastes .

A review of the DEED list, as provided by EDR, and dated 11/28/2022 has revealed that there is 1 DEED site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MANVILLE PLANT	*2420 223RD ST E*	*NNW 1/4 - 1/2 (0.437 mi.)*	*O73*	*366*

Status: CERTIFIED O&M - LAND USE RESTRICTIONS ONLY
Envirostor ID: 19320001

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 03/06/2023 has revealed that there are 6 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
DANIEL PASCUAL EPA ID:: CAC003061677	2147 W CANTON ST	E 0 - 1/8 (0.097 mi.)	18	114
CHRISTINA JIMENEZ EPA ID:: CAC003095935	2400 W LINCOLN ST	NNE 1/8 - 1/4 (0.137 mi.)	19	116
CARLOS AND DIANA CAR EPA ID:: CAC002982515	2002 WEST ARLINGTON	NNE 1/8 - 1/4 (0.226 mi.)	31	209
SYLVESTER HARRIS EPA ID:: CAC003191116	2336 W. WARDLOW RD	NNE 1/8 - 1/4 (0.243 mi.)	E34	215
SYLVESTER HARRIS EPA ID:: CAC003168309	2336 W WARDLOW RD #B	NNE 1/8 - 1/4 (0.243 mi.)	E35	217
AMERICAN GOLD STAR M EPA ID:: CAC003179818	3020 N GOLD STAR DR	ENE 1/8 - 1/4 (0.249 mi.)	36	219

FUDS: The Listing includes locations of Formerly Used Defense Sites Properties where the US Army Corps Of Engineers is actively working or will take necessary cleanup actions.

A review of the FUDS list, as provided by EDR, and dated 11/01/2022 has revealed that there are 2 FUDS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WILMINGTON CLA & HOL		NE 0 - 1/8 (0.087 mi.)	B15	110
LAGUNA DOMINGEZ OIL		SSW 1/2 - 1 (0.749 mi.)	T92	673

ROD: Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid the cleanup.

A review of the ROD list, as provided by EDR, and dated 01/25/2023 has revealed that there is 1 ROD site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MONTROSE CHEMICAL CO	***20201 S NORMANDIE AV***	***0 - 1/8 (0.000 mi.)***	***0***	***41***

EPA ID:: CAD008242711

CONSENT: Major Legal settlements that establish responsibility and standards for cleanup at NPL (superfund) sites. Released periodically by U.S. District Courts after settlement by parties to litigation matters.

A review of the CONSENT list, as provided by EDR, and dated 09/30/2022 has revealed that there is 1 CONSENT site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MONTROSE CHEMICAL CO	***20201 S NORMANDIE AV***	***0 - 1/8 (0.000 mi.)***	***0***	***41***

UXO: A listing of unexploded ordnance site locations

A review of the UXO list, as provided by EDR, and dated 11/09/2021 has revealed that there is 1 UXO site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WILMINGTON CLASS&YAR		NE 0 - 1/8 (0.087 mi.)	B16	112

PFAS ECHO: Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. EPA has developed a dataset from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

A review of the PFAS ECHO list, as provided by EDR, and dated 01/03/2022 has revealed that there are 2 PFAS ECHO sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
AIR PRODUCTS & CHEMI	33.812778/-118.23138	WNW 1/8 - 1/4 (0.158 mi.)	20	118
TESORO SULFUR RECOVE	33.81403/-118.23127	NW 1/8 - 1/4 (0.229 mi.)	D32	212

CA BOND EXP. PLAN: Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

A review of the CA BOND EXP. PLAN list, as provided by EDR, and dated 01/01/1989 has revealed that there is 1 CA BOND EXP. PLAN site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MANVILLE CORPORATION	***2420 EAST 223RD STRE***	***NNW 1/4 - 1/2 (0.437 mi.)***	***O74***	***374***

Cortese: The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

A review of the Cortese list, as provided by EDR, and dated 12/14/2022 has revealed that there are 12 Cortese sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MATLACK INC	***22422 ALAMEDA BLVD S***	***N 1/4 - 1/2 (0.284 mi.)***	***G43***	***232***
Cleanup Status: COMPLETED - CASE CLOSED				
COMMERCIAL CARRIERS	***22440 ALAMEDA ST S***	***N 1/4 - 1/2 (0.307 mi.)***	***H45***	***254***
Cleanup Status: COMPLETED - CASE CLOSED				
STATE SALVAGE	***22500 ALAMEDA ST S***	***NNW 1/4 - 1/2 (0.311 mi.)***	***H46***	***275***
Cleanup Status: COMPLETED - CASE CLOSED				
CITY OF LONG BEACH	***SANTA FE AVE***	***ENE 1/4 - 1/2 (0.355 mi.)***	***K56***	***296***
Cleanup Status: COMPLETED - CASE CLOSED				
SUPREME EUPHORIA	***2943 SANTA FE AVE***	***E 1/4 - 1/2 (0.384 mi.)***	***66***	***346***
Cleanup Status: COMPLETED - CASE CLOSED				
UNITED OIL #05	***3631 SANTA FE AVE***	***NE 1/4 - 1/2 (0.429 mi.)***	***72***	***357***
Cleanup Status: COMPLETED - CASE CLOSED				
MANVILLE PLANT	***2420 223RD ST E***	***NNW 1/4 - 1/2 (0.437 mi.)***	***O73***	***366***
Cleanup Status: COMPLETED - CASE CLOSED				
VENTURA TRANSFER COM	***2418 EAST 223RD STRE***	***NW 1/4 - 1/2 (0.449 mi.)***	***75***	***380***
Cleanup Status: COMPLETED - CASE CLOSED				
IMPORT DEALERS SERVI	***2222 SEPULVEDA BLVD***	***SSE 1/4 - 1/2 (0.452 mi.)***	***P79***	***433***
Cleanup Status: COMPLETED - CASE CLOSED				
VENTURA TRANSFER COM	***2418 223RD ST. E.***	***NNW 1/4 - 1/2 (0.457 mi.)***	***O80***	***436***
Cleanup Status: COMPLETED - CASE CLOSED				
SHELL #204-4482-6307	***1700 WARDLOW RD W***	***NE 1/4 - 1/2 (0.462 mi.)***	***81***	***439***
Cleanup Status: COMPLETED - CASE CLOSED				

Lower Elevation	Address	Direction / Distance	Map ID	Page
ARCO CREDIT UNION	***1907 SEPULVEDA BLVD***	***SW 1/4 - 1/2 (0.260 mi.)***	***F39***	***224***
Cleanup Status: COMPLETED - CASE CLOSED				

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 11 HIST CORTESE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
COMMERCIAL CARRIERS	***22440 ALAMEDA ST S***	***N 1/4 - 1/2 (0.307 mi.)***	***H45***	***254***
Reg Id: R-10360				
STATE SALVAGE	***22500 ALAMEDA ST S***	***NNW 1/4 - 1/2 (0.311 mi.)***	***H46***	***275***
Reg Id: I-11754				
MATLACK INC	22422 ALAMEDA	N 1/4 - 1/2 (0.314 mi.)	47	278
Reg Id: I-00124				
CITY OF LONG BEACH	***SANTA FE AVE***	***ENE 1/4 - 1/2 (0.355 mi.)***	***K56***	***296***
Reg Id: 001020				
SUPREME EUPHORIA	***2943 SANTA FE AVE***	***E 1/4 - 1/2 (0.384 mi.)***	***66***	***346***
Reg Id: 908100207				
UNITED OIL #05	***3631 SANTA FE AVE***	***NE 1/4 - 1/2 (0.429 mi.)***	***72***	***357***

Reg Id: 908100161

MANVILLE PLANT	***2420 223RD ST E***	***NNW 1/4 - 1/2 (0.437 mi.)***	***O73***	***366***
Reg Id: I-00223				
IMPORT DEALERS SERVI	***2222 SEPULVEDA***	***SSE 1/4 - 1/2 (0.449 mi.)***	***P76***	***409***
Reg Id: I-06353				
SHELL #204-4482-6307	***1700 WARDLOW RD W***	***NE 1/4 - 1/2 (0.462 mi.)***	***81***	***439***
Reg Id: 053095-19				

Lower Elevation	Address	Direction / Distance	Map ID	Page
ARCO (CARSON TERMINA	***2149 SEPULVEDA BLVD***	***W 0 - 1/8 (0.066 mi.)***	***14***	***109***
Reg Id: R-13337				
ARCO CREDIT UNION	***1907 SEPULVEDA BLVD***	***SW 1/4 - 1/2 (0.260 mi.)***	***F39***	***224***
Reg Id: I-15338				

HWP: Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

A review of the HWP list, as provided by EDR, and dated 11/10/2022 has revealed that there are 8 HWP sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SULFUR RECOVERY PLAN	***23208 S ALAMEDA ST***	***NW 1/8 - 1/4 (0.224 mi.)***	***D30***	***187***
EPA ID: CAT000646331				
Cleanup Status: CLOSED				
PHILIP WEST INDUSTRI	***2222 E SEPULVEDA***	***SSE 1/4 - 1/2 (0.449 mi.)***	***P77***	***411***
EPA ID: CAD981685886				
Cleanup Status: CLOSED				
TESORO CARSON REFINE	***1801 E SEPULVEDA BLV***	***WSW 1/2 - 1 (0.680 mi.)***	***S90***	***637***
EPA ID: CAD077227049				
Cleanup Status: POST CLOSURE PERMIT				
STAUFFER MANAGEMENT	***2112 EAST 223RD STRE***	***NNW 1/2 - 1 (0.754 mi.)***	***U95***	***683***
EPA ID: CAD076941103				
Cleanup Status: UNDERGOING CLOSURE				
SOLUTIA INC. CARSON	***2100 EAST 223RD STRE***	***NW 1/2 - 1 (0.814 mi.)***	***W103***	***778***
EPA ID: CAD043555366				
Cleanup Status: CLOSED				
HUGHES AIRCRAFT COMP	***1500 HUGHES WAY***	***NE 1/2 - 1 (0.857 mi.)***	***X107***	***867***
EPA ID: CAT080012867				
Cleanup Status: CLOSED				
NIKLOR CHEMICAL CO.,	***2060 E 220TH STREET***	***NNW 1/2 - 1 (0.888 mi.)***	***Y112***	***893***
EPA ID: CAD008392052				
Cleanup Status: PROTECTIVE FILER				
SGS INDUSTRIAL	***1520 E SEPULVEDA***	***WSW 1/2 - 1 (0.926 mi.)***	***Z115***	***1145***
EPA ID: CAD980881676				
Cleanup Status: POST CLOSURE PERMIT				

PROC: A listing of certified processors.

A review of the PROC list, as provided by EDR, and dated 12/02/2022 has revealed that there is 1 PROC site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
STATE SALVAGE INC	***22500 S ALAMEDA ST***	***NNW 1/4 - 1/2 (0.303 mi.)***	***H44***	***235***
Cert Id: PR0215				
Reg Id: 28064				

Notify 65: Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

A review of the Notify 65 list, as provided by EDR, and dated 12/07/2022 has revealed that there are 3 Notify 65 sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TEXACO	232000 S. ALAMEDA	NW 1/4 - 1/2 (0.264 mi.)	41	228
SHELL OIL	1622 E. SEPULVEDA BL	WSW 1/2 - 1 (0.778 mi.)	V99	731
WILMINGTON COMPLEX	1622 EAST SEPULVEDA	WSW 1/2 - 1 (0.778 mi.)	V100	731

LOS ANGELES CO LF METHANE: This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

A review of the LOS ANGELES CO LF METHANE list, as provided by EDR, and dated 01/10/2022 has revealed that there are 2 LOS ANGELES CO LF METHANE sites within approximately 0.5 miles of the target property.

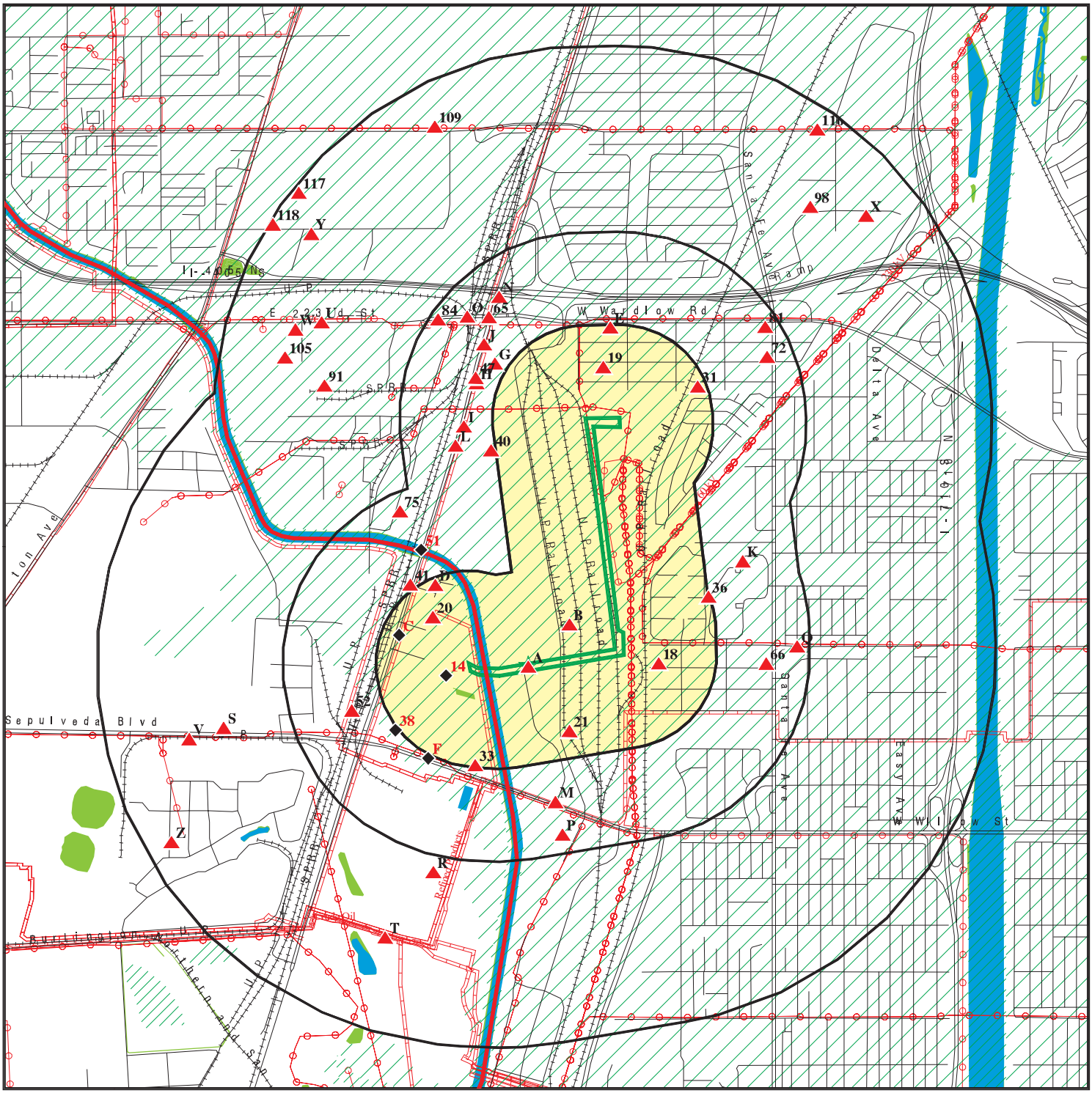
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HARDWICK'S DISPOSAL		N 1/4 - 1/2 (0.263 mi.)	40	228
ALAMEDA STREET LANDF	***22700 SO ALAMEDA ST***	***NNW 1/4 - 1/2 (0.355 mi.)***	***L57***	***298***

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 18 records.

Site Name	Database(s)
MIGUS357006 OFFSITE WELLS-DBA SHEL	CERS HAZ WASTE
GATX TERMIMALS CORP	LUST, HIST CORTESE
CITY OF CARSON - STADEL PROPERTY	CPS-SLIC
CITY OF CARSON - LUCAS PROPERTY	CPS-SLIC
ACTA SOUTH - PARCEL SE-351	CPS-SLIC
ACTA SOUTH - PARCEL SE-352/353	CPS-SLIC
ACTA SOUTH - PARCEL SE-349	CPS-SLIC
ACTA SOUTH - PARCEL SE-362	CPS-SLIC
ACTA SOUTH - PARCEL SE-358	CPS-SLIC
SOUTHERN CALIFORNIA GAS COMPANY	CPS-SLIC
HILLTOP SPORTS PARK	CPS-SLIC
SIGNAL HILL PETROLEUM - WEST UNIT	CPS-SLIC
ACTA SOUTH - PARCEL SE-372	CPS-SLIC
ORYX ENERGY CO.	CPS-SLIC
ACTA SOUTH - PCH GRADE SEPARATION	CPS-SLIC
ACTA PARCEL PCH-1542	CPS-SLIC
ACTA SOUTH - MAINTENANCE YARD	CPS-SLIC
TED HAMMETT (CARSON)	ENVIROSTOR

OVERVIEW MAP - 7294079.2S

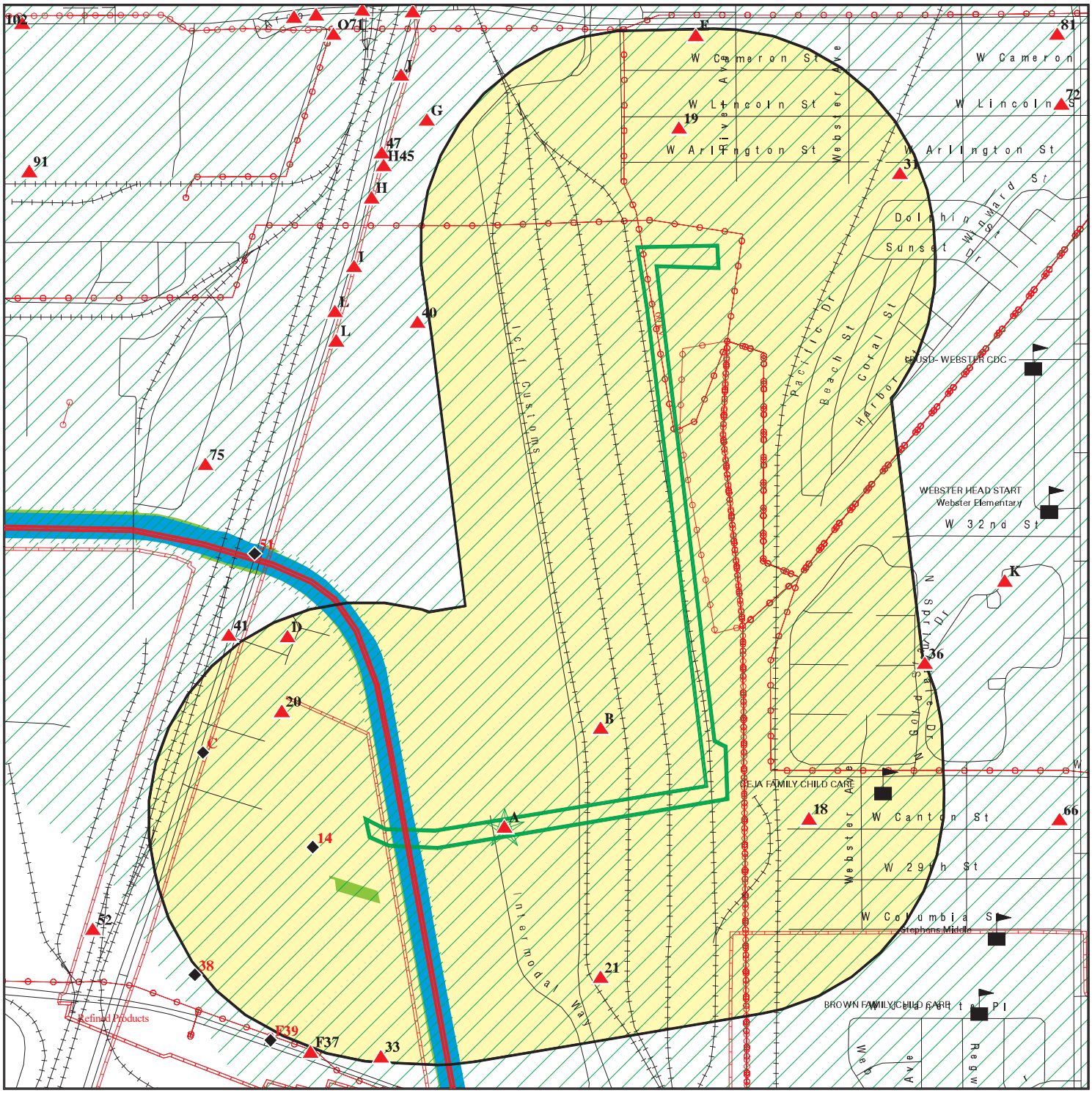


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Avocet Gen-Tie	CLIENT:	NV5
ADDRESS:	23320 South Alameda Street Long Beach CA 90810	CONTACT:	Eric Fraske
LAT/LONG:	33.810846 / 118.226926	INQUIRY #:	7294079.2s
		DATE:	March 30, 2023 8:32 am

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DETAIL MAP - 7294079.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Pipelines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Avocet Gen-Tie	CLIENT: NV5
ADDRESS: 23320 South Alameda Street Long Beach CA 90810	CONTACT: Eric Fraske INQUIRY #: 7294079.2s
LAT/LONG: 33.810846 / 118.226926	DATE: March 30, 2023 8:36 am

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Lists of Federal NPL (Superfund) sites								
NPL	1.000		1	0	0	0	NR	1
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Lists of Federal Delisted NPL sites								
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		1	0	1	NR	NR	2
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500	1	0	2	1	NR	NR	4
Lists of Federal RCRA facilities undergoing Corrective Action								
CORRACTS	1.000		0	1	0	6	NR	7
Lists of Federal RCRA TSD facilities								
RCRA-TSDF	0.500		0	1	0	NR	NR	1
Lists of Federal RCRA generators								
RCRA-LQG	0.250		1	2	NR	NR	NR	3
RCRA-SQG	0.250	1	0	0	NR	NR	NR	1
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		1	0	0	NR	NR	1
US INST CONTROLS	0.500		1	0	0	NR	NR	1
Federal ERNS list								
ERNS	TP	1	NR	NR	NR	NR	NR	1
Lists of state- and tribal (Superfund) equivalent sites								
RESPONSE	1.000		0	0	1	2	NR	3
Lists of state- and tribal hazardous waste facilities								
ENVIROSTOR	1.000	1	1	1	4	22	NR	29
Lists of state and tribal landfills and solid waste disposal facilities								
SWF/LF	0.500		0	0	6	NR	NR	6

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Lists of state and tribal leaking storage tanks								
LUST	0.500	1	1	0	13	NR	NR	15
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500	2	0	1	12	NR	NR	15
Lists of state and tribal registered storage tanks								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		0	4	NR	NR	NR	4
INDIAN UST	0.250		0	0	NR	NR	NR	0
Lists of state and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
Lists of state and tribal brownfield sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500	1	0	0	7	NR	NR	8
SWRCY	0.500		0	0	1	NR	NR	1
HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
AOCONCERN	1.000		0	0	0	0	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	1	2	NR	3
SCH	0.250		0	0	NR	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	1	NR	1
CERS HAZ WASTE	0.250		0	2	NR	NR	NR	2
US CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250	2	0	0	NR	NR	NR	2
HIST UST	0.250	2	0	2	NR	NR	NR	4
CERS TANKS	0.250		0	2	NR	NR	NR	2
CA FID UST	0.250	1	0	0	NR	NR	NR	1

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Local Land Records								
LIENS	TP		NR	NR	NR	NR	NR	0
LIENS 2	TP		NR	NR	NR	NR	NR	0
DEED	0.500		0	0	1	NR	NR	1
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
CHMIRS	TP		NR	NR	NR	NR	NR	0
LDS	TP		NR	NR	NR	NR	NR	0
MCS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		1	5	NR	NR	NR	6
FUDS	1.000		1	0	0	1	NR	2
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		1	0	0	0	NR	1
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		1	0	0	0	NR	1
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP	1	NR	NR	NR	NR	NR	1
ECHO	TP		NR	NR	NR	NR	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
UXO	1.000		1	0	0	0	NR	1
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
PFAS NPL	0.250		0	0	NR	NR	NR	0
PFAS FEDERAL SITES	0.250		0	0	NR	NR	NR	0
PFAS TSCA	0.250		0	0	NR	NR	NR	0
PFAS RCRA MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS ATSDR	0.250		0	0	NR	NR	NR	0
PFAS WQP	0.250		0	0	NR	NR	NR	0
PFAS NPDES	0.250		0	0	NR	NR	NR	0
PFAS ECHO	0.250		0	2	NR	NR	NR	2
PFAS ECHO FIRE TRAINING	0.250		0	0	NR	NR	NR	0
PFAS PART 139 AIRPORT	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM NRC	0.250		0	0	NR	NR	NR	0
PFAS	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	1	0	NR	1
Cortese	0.500		0	0	12	NR	NR	12
CUPA Listings	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	TP	1	NR	NR	NR	NR	NR	1
ENF	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
ICE	TP		NR	NR	NR	NR	NR	0
HIST CORTESE	0.500	1	1	0	10	NR	NR	12
LOS ANGELES CO. HMS	TP	1	NR	NR	NR	NR	NR	1
HWP	1.000		0	1	1	6	NR	8
HWT	0.250		0	0	NR	NR	NR	0
HAZNET	TP	1	NR	NR	NR	NR	NR	1
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
PEST LIC	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	1	NR	NR	1
Notify 65	1.000		0	0	1	2	NR	3
HAZMAT	0.250		0	0	NR	NR	NR	0
LA Co. Site Mitigation	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
UIC GEO	TP		NR	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	TP		NR	NR	NR	NR	NR	0
PROJECT	TP		NR	NR	NR	NR	NR	0
WDR	TP		NR	NR	NR	NR	NR	0
CIWQS	TP	1	NR	NR	NR	NR	NR	1
CERS	TP	1	NR	NR	NR	NR	NR	1
NON-CASE INFO	TP		NR	NR	NR	NR	NR	0
OTHER OIL GAS	TP		NR	NR	NR	NR	NR	0
PROD WATER PONDS	TP		NR	NR	NR	NR	NR	0
SAMPLING POINT	TP		NR	NR	NR	NR	NR	0
WELL STIM PROJ	TP		NR	NR	NR	NR	NR	0
HWTS	TP	1	NR	NR	NR	NR	NR	1
MINES MRDS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LOS ANGELES CO LF METHANE	0.500		0	0	2	NR	NR	2
PFAS TRIS	0.250		0	0	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP	2	NR	NR	NR	NR	NR	2
- Totals --		23	13	26	76	42	0	180

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 Target Property — **AIR PRODUCTS AND CHEMICALS, IN**, **23320 S ALAMEDA ST**, **LONG BEACH, CA 90810**

SWEEPS UST **U001566212**
HIST UST **N/A**
EMI

Site 1 of 13 in cluster A

Actual: 23 ft.

SWEEPS UST:

Name:	AIR PRODUCTS AND CHEMICALS, IN
Address:	23320 S ALAMEDA ST
City:	LONG BEACH
Status:	Active
Comp Number:	3098
Number:	9
Board Of Equalization:	44-010982
Referral Date:	07-01-85
Action Date:	Not reported
Created Date:	02-29-88
Owner Tank Id:	28 91
SWRCB Tank Id:	19-060-003098-000001
Tank Status:	A
Capacity:	500
Active Date:	07-01-85
Tank Use:	M.V. FUEL
STG:	P
Content:	DIESEL
Number Of Tanks:	5

Name:	AIR PRODUCTS AND CHEMICALS, IN
Address:	23320 S ALAMEDA ST
City:	LONG BEACH
Status:	Active
Comp Number:	3098
Number:	9
Board Of Equalization:	44-010982
Referral Date:	07-01-85
Action Date:	Not reported
Created Date:	02-29-88
Owner Tank Id:	28 7
SWRCB Tank Id:	19-060-003098-000002
Tank Status:	A
Capacity:	6000
Active Date:	07-01-85
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

Name:	AIR PRODUCTS AND CHEMICALS, IN
Address:	23320 S ALAMEDA ST
City:	LONG BEACH
Status:	Active
Comp Number:	3098
Number:	9
Board Of Equalization:	44-010982
Referral Date:	07-01-85
Action Date:	Not reported
Created Date:	02-29-88
Owner Tank Id:	28 5
SWRCB Tank Id:	19-060-003098-000003

AIR PRODUCTS AND CHEMICALS, IN (Continued) **U001566212**

Tank Status: A
Capacity: 2000
Active Date: 07-01-85
Tank Use: OIL
STG: W
Content: WASTE OIL
Number Of Tanks: Not reported

Name: AIR PRODUCTS AND CHEMICALS, IN
Address: 23320 S ALAMEDA ST
City: LONG BEACH
Status: Active
Comp Number: 3098
Number: 9
Board Of Equalization: 44-010982
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: LB-IGD-1
SWRCB Tank Id: 19-060-003098-000004
Tank Status: A
Capacity: 3000
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Name: AIR PRODUCTS AND CHEMICALS, IN
Address: 23320 S ALAMEDA ST
City: LONG BEACH
Status: Active
Comp Number: 3098
Number: 9
Board Of Equalization: 44-010982
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: LB-IGD-2
SWRCB Tank Id: 19-060-003098-000005
Tank Status: A
Capacity: 10000
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

HIST UST:
Name: AIR PRODUCTS AND CHEMICALS, IN
Address: 23320 S ALAMEDA ST
City,State,Zip: LONG BEACH, CA 90810
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000003098
Facility Type: Other

AIR PRODUCTS AND CHEMICALS, IN (Continued) **U001566212**

Other Type:	INDUSTRIAL GASES
Contact Name:	MR. RONALD 6. SHADMAN
Telephone:	2138305231
Owner Name:	AIR PRODUCTS AND CHEMICALS, IN
Owner Address:	BOX 538
Owner City,St,Zip:	ALLENTOWN, PA 18105
Total Tanks:	0005
Tank Num:	001
Container Num:	28 91
Year Installed:	1962
Tank Capacity:	00000500
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	3/16
Leak Detection:	Stock Inventor, 10
Tank Num:	002
Container Num:	28 7
Year Installed:	1962
Tank Capacity:	00006000
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	5/16
Leak Detection:	None
Tank Num:	003
Container Num:	28 5
Year Installed:	1962
Tank Capacity:	00002000
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	3/16
Leak Detection:	None
Tank Num:	004
Container Num:	LB-IGD-1
Year Installed:	1974
Tank Capacity:	00003000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, 10
Tank Num:	005
Container Num:	LB-IGD-2
Year Installed:	1974
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, 10

EMI:

Name:	AIR PROD & CHEM INC
Address:	23320 S ALAMEDA ST
City,State,Zip:	LONG BEACH, CA 90810

AIR PRODUCTS AND CHEMICALS, IN (Continued) **U001566212**

Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	3417
Air District Name:	SC
SIC Code:	3823
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

A2
Target Property **AIR PROD & CHEM INC; 23320 SOUTH ALAMEDA ST ZIP: 90810**
LONG BEACH, CA

ERNS 8860693
N/A

Site 2 of 13 in cluster A

Actual: 23 ft.

ERNS 1987-1989:

NRC Report #:	00060693
Envid:	8860693
Spill Date:	19880624
Spill Time:	1715
EPA Region:	09
EPA Region 2:	Not reported
County:	LOS ANGELES
Spill Address 1:	Not reported
Spill City:	LONG BEACH
Spill State:	CA
Spill Zip:	Not reported
Number of Fatalities:	0
Number of Injured:	0
Number of Evacuees:	0
Damage Dollar Amount:	0.00
Initial Report:	True
Updated Report:	True
Damage:	False
EPA Notified:	False
Air:	False
Land:	True
Water:	False
Groundwater:	False
Facility:	False
Other:	False
Notes:	CONCRETE DIKED AREA
Transport Related:	False
Equipment Failure:	False
Operator Error:	False
Natural Phenomenon:	False
Dumping:	False
Other:	False
Unknown:	False
Cause Code:	Not reported

(Continued) **8860693**

Source:	Not reported
Mode:	F
SRC:	N
Report Number:	08482
C.G. Unit:	Not reported
Type of Agency:	Not reported
Responding Agency:	Not reported
EPA Report Number:	Not reported
DC:	19930115
Discharger ID:	60693
Discharger DUNS:	Not reported
Discharger:	Not reported
Discharger Affiliation:	Not reported
Discharger Address:	Not reported
Discharger County:	Not reported
Discharger City:	Not reported
Discharger State:	Not reported
Discharger Zip:	Not reported
CID1:	2027
Material Spilled 1:	6% POTASSIUM PERMANGANATE SOLUTI
CC1:	PTP
Spill Total Quantity 1:	55.00
Units 1:	GAL
In Water 1:	0.00
Units in Water 1:	NON
Quantity Lbs 1:	1237.50
CAS 1:	Not reported
DOT Number 1:	Not reported
CID2:	Not reported
Material Spilled 2:	Not reported
CC2:	Not reported
Spill Total Quantity 2:	Not reported
Units 2:	Not reported
In Water 2:	Not reported
Units in Water 2:	Not reported
Quantity Lbs 2:	Not reported
CAS 2:	Not reported
DOT Number 2:	Not reported
CID3:	Not reported
Material Spilled 3:	Not reported
CC3:	Not reported
Spill Total Quantity 3:	Not reported
Units 3:	Not reported
In Water 3:	Not reported
Units in Water 3:	Not reported
Quantity Lbs 3:	Not reported
CAS 3:	Not reported
DOT Number 3:	Not reported
Description:	PVC PIPE FROM A SCRUBBER/LINE BROKE AT A THREADED CON NECTION
Site Location:	AIR PROD & CHEM INC; 23320 SOUTH ALAMEDA ST ZIP: 90810
Action:	CONTAINED AND SHUT OFF;WILL PLACE INTO DRUMS FOR DISPOSAL
Comments:	Not reported

A3 **AIR PRODUCTS & CHEMICALS** **RGA LUST** **S114569209**
Target Property **23320 ALAMEDA ST S** **N/A**
CARSON, CA

Site 3 of 13 in cluster A

Actual: 23 ft.

RGA LUST:

Name:	AIR PRODUCTS & CHEMICALS		
Address:	23320 ALAMEDA ST S		
City:	CARSON		
State:	CARSON		
	1998	AIR PRODUCTS & CHEMICALS	23320 ALAMEDA ST S
Name:	AIR PRODUCTS & CHEMICALS		
Address:	23320 ALAMEDA ST S		
City:	CARSON		
State:	CARSON		
	1997	AIR PRODUCTS & CHEMICALS	23320 ALAMEDA ST S
Name:	AIR PRODUCTS & CHEMICALS		
Address:	23320 ALAMEDA ST S		
City:	CARSON		
State:	CARSON		
	1996	AIR PRODUCTS & CHEMICALS	23320 ALAMEDA ST S
Name:	AIR PRODUCTS & CHEMICALS		
Address:	23320 ALAMEDA ST S		
City:	CARSON		
State:	CARSON		
	1995	AIR PRODUCTS & CHEMICALS	23320 ALAMEDA ST S

A4 **AIR PRODUCTS & CHEMICALS, INC.** **LUST** **S105032589**
Target Property **23320 ALAMEDA ST S** **N/A**
CARSON, CA 90810

Site 4 of 13 in cluster A

Actual: 23 ft.

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	I-05385	
Status:	Case Closed	
Substance:	Hydrocarbons	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603703068	
W Global ID:	Not reported	
Staff:	SLC	
Local Agency:	19000	
Cross Street:	SEPULVEDA	
Enforcement Type:	Not reported	
Date Leak Discovered:	Not reported	
Date Leak First Reported:		11/10/1993
Date Leak Record Entered:	5/31/1995	
Date Confirmation Began:	11/10/1993	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		9/21/1995
Date the Case was Closed:		9/25/1997
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	

AIR PRODUCTS & CHEMICALS, INC. (Continued) **S105032589**

Cause of Leak:	UNK
Leak Source:	Tank
Operator:	Not reported
Water System:	Not reported
Well Name:	Not reported
Approx. Dist To Production Well (ft):	4831.2527072615269373755120702
Source of Cleanup Funding:	Tank
Preliminary Site Assessment Workplan Submitted:	Not reported
Preliminary Site Assessment Began:	Not reported
Pollution Characterization Began:	Not reported
Remediation Plan Submitted:	Not reported
Remedial Action Underway:	Not reported
Post Remedial Action Monitoring Began:	Not reported
Enforcement Action Date:	Not reported
Historical Max MTBE Date:	Not reported
Hist Max MTBE Conc in Groundwater:	Not reported
Hist Max MTBE Conc in Soil:	Not reported
Significant Interim Remedial Action Taken:	Not reported
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
Organization:	Not reported
Owner Contact:	Not reported
Responsible Party:	AIR PRODUCTUS & CHEMICALS
RP Address:	PO BOX 538 ALLENTOWN PA 18105
Program:	SLIC
Lat/Long:	33.8131635 / -1
Local Agency Staff:	Not reported
Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	REFER TO SLIC #336

A5 **CARSON LIQUID HYDROGEN PLANT** **WMUDS/SWAT** **S104156408**
Target **23320 SOUTH ALAMEDA STREET** **N/A**
Property **CARSON ,CA, CA 90810**

Site 5 of 13 in cluster A

Actual: **23 ft.**

WMUDS/SWAT:

Edit Date:	Not reported
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.
Primary Waste:	MISCEL
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Base Meridian:	Not reported
NPID:	HH0003085
Tonnage:	0

CARSON LIQUID HYDROGEN PLANT (Continued) **S104156408**

Regional Board ID:	Not reported
Municipal Solid Waste:	False
Superorder:	False
Open To Public:	False
Waste List:	False
Agency Type:	Private
Agency Name:	87 AIR PRODUCTS & CHEMICALS
Agency Department:	Not reported
Agency Address:	23320 S ALAMEDA ST
Agency City,St,Zip:	LONG BEACH ,CA 90810
Agency Contact:	Not reported
Agency Telephone:	2138305231
Land Owner Name:	Not reported
Land Owner Address:	Not reported
Land Owner City,St,Zip:	Not reported
Land Owner Contact:	Not reported
Land Owner Phone:	Not reported
Region:	4
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Description:	Not reported
Facility Telephone:	Not reported
SWAT Facility Name:	Not reported
Primary SIC:	2813
Secondary SIC:	Not reported
Comments:	Not reported
Last Facility Editors:	Not reported
Waste Discharge System:	True
Solid Waste Assessment Test Program:	False
Toxic Pits Cleanup Act Program:	False
Resource Conservation Recovery Act:	True
Department of Defence:	False
Solid Waste Assessment Test Program:	Not reported
Threat to Water Quality:	Moderate Threat to Water Quality. A violation could have a major adverse impact on receiving biota, can cause aesthetic impairment to a significant human population, or render unusable a potential domestic or municipal water supply. Awsthetic impairment would include nuisance from a waste treatment facility.
Sub Chapter 15:	False
Regional Board Project Officer:	HK
Number of WMUDS at Facility:	1
Section Range:	Not reported
RCRA Facility:	Yes
Waste Discharge Requirements:	H
Self-Monitoring Rept. Frequency:	Quarterly Submittal
Waste Discharge System ID:	4B192003002
Solid Waste Information ID:	Not reported

A6 **AIR PRODUCTS & CHEMICALSNA INC.** **FINDS** **1023224641**
Target **23320 ALAMEDA ST S** **N/A**
Property **CARSON, CA 90810**

Site 6 of 13 in cluster A

Actual:
23 ft.

FINDS:
Registry ID: 110065112087

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

A7 **AIR PRODUCTS MFG CORP** **SWEEPS UST** **S101586466**
Target **23320 S ALAMEDA ST** **CA FID UST** **N/A**
Property **CARSON, CA 90810** **LOS ANGELES CO. HMS**

Site 7 of 13 in cluster A

Actual:
23 ft.

SWEEPS UST:

Name:	AIR PRODUCTS MFG CORP
Address:	23320 S ALAMEDA ST
City:	CARSON
Status:	Active
Comp Number:	5385
Number:	9
Board Of Equalization:	Not reported
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-005385-000001
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	1

CA FID UST:

Facility ID:	19050949
Regulated By:	UTNKA
Regulated ID:	00003098
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	8180000000
Mail To:	Not reported
Mailing Address:	P O BOX
Mailing Address 2:	Not reported
Mailing City,St,Zip:	CARSON
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported

AIR PRODUCTS MFG CORP (Continued) **S101586466**

Status: Active

LOS ANGELES CO. HMS:
Name: AIR PRODUCTS MFG CORP
Address: 23320 S ALAMEDA ST
City,State,Zip: CARSON, CA 90810
Region: LA
Permit Category: I
Facility Id: 005186-I05385
Facility Type: 03
Facility Status: Removed
Area: 22
Permit Number: 000003113
Permit Status: Removed

Name: AIR PRODUCTS MFG CORP
Address: 23320 S ALAMEDA ST
City,State,Zip: CARSON, CA 90810
Region: LA
Permit Category: T
Facility Id: 005186-005385
Facility Type: 0
Facility Status: Removed
Area: 22
Permit Number: 00003293T
Permit Status: Removed

A8 Target Property **AIR PRODS & CHEMS INC** **SEMS-ARCHIVE 1015732942**
23320 S ALAMEDA ST **RCRA-SQG CAT080010655**
LONG BEACH, CA 90810

Site 8 of 13 in cluster A

Actual: 23 ft.

SEMS Archive:
Site ID: 0902667
EPA ID: CAT080010655
Name: AIR PRODUCTS & CHEM INC
Address: 23320 S ALAMEDA ST
Address 2: Not reported
City,State,Zip: CARSON, CA 90810
Cong District: 32
FIPS Code: 06037
FF: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:
Region: 09
Site ID: 0902667
EPA ID: CAT080010655
Site Name: AIR PRODUCTS & CHEM INC
NPL: N
FF: N
OU: 00
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported

AIR PRODS & CHEMS INC (Continued) **1015732942**

Finish Date:	1992-01-23 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse
Region:	09
Site ID:	0902667
EPA ID:	CAT080010655
Site Name:	AIR PRODUCTS & CHEM INC
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	Not reported
Finish Date:	1988-12-21 05:00:00
Qual:	L
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0902667
EPA ID:	CAT080010655
Site Name:	AIR PRODUCTS & CHEM INC
NPL:	N
FF:	N
OU:	00
Action Code:	SI
Action Name:	SI
SEQ:	2
Start Date:	Not reported
Finish Date:	1991-04-15 04:00:00
Qual:	N
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0902667
EPA ID:	CAT080010655
Site Name:	AIR PRODUCTS & CHEM INC
NPL:	N
FF:	N
OU:	00
Action Code:	SI
Action Name:	SI
SEQ:	3
Start Date:	Not reported
Finish Date:	1992-01-23 05:00:00
Qual:	N
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0902667
EPA ID:	CAT080010655
Site Name:	AIR PRODUCTS & CHEM INC
NPL:	N
FF:	N
OU:	00
Action Code:	PA

AIR PRODS & CHEMS INC (Continued) **1015732942**

Action Name: PA
SEQ: 2
Start Date: 1985-07-01 05:00:00
Finish Date: 1986-01-01 05:00:00
Qual: L
Current Action Lead: St Perf

Region: 09
Site ID: 0902667
EPA ID: CAT080010655
Site Name: AIR PRODUCTS & CHEM INC
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1985-09-01 05:00:00
Finish Date: 1985-09-01 05:00:00
Qual: Not reported
Current Action Lead: St Perf

Region: 09
Site ID: 0902667
EPA ID: CAT080010655
Site Name: AIR PRODUCTS & CHEM INC
NPL: N
FF: N
OU: 00
Action Code: SI
Action Name: SI
SEQ: 1
Start Date: Not reported
Finish Date: 1990-08-15 04:00:00
Qual: N
Current Action Lead: St Perf

RCRA Listings:
Date Form Received by Agency: 19960901
Handler Name: Air Prods & Chems Inc
Handler Address: 23320 S ALAMEDA ST
Handler City,State,Zip: LONG BEACH, CA 90810
EPA ID: CAT080010655
Contact Name: Not reported
Contact Address: Not reported
Contact City,State,Zip: Not reported
Contact Telephone: Not reported
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Small Quantity Generator
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported

AIR PRODS & CHEMS INC (Continued) **1015732942**

Active Site Indicator:	Handler Activities
State District Owner:	CA
State District:	4
Mailing Address:	23320 SOUTH ALAMEDA STREET
Mailing City,State,Zip:	LONG BEACH, CA 90810
Owner Name:	Not reported
Owner Type:	Not reported
Operator Name:	Not Required
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20020627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: NOT REQUIRED	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported

AIR PRODS & CHEMS INC (Continued) **1015732942**

Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: AIR PRODUCTS AND CHEMICALS INC
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19960901
Handler Name: AIR PRODS & CHEMS INC
Federal Waste Generator Description: Small Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19800818
Handler Name: AIR PRODS & CHEMS INC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 32512
NAICS Description: INDUSTRIAL GAS MANUFACTURING

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

A9 Target Property — **AIR PRODUCTS AND CHEMICALS IN**, **23320 SOUTH ALAMEDA STREET**, **LONG BEACH, CA 90810**

HIST UST **S113179490**
HAZNET **N/A**
HWTS

Site 9 of 13 in cluster A

Actual: 23 ft.

HIST UST:

Name:	AIR PRODUCTS AND CHEMICALS IN
Address:	23320 SOUTH ALAMEDA STREET
City,State,Zip:	LONG BEACH, CA 90810
File Number:	000261f0
URL:	https://documents.geotracker.waterboards.ca.gov/ustpdfs/pdf/000261f0.pdf
Region:	Not reported
Facility ID:	Not reported
Facility Type:	Not reported
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Total Tanks:	Not reported
Tank Num:	Not reported
Container Num:	Not reported
Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported

Click here for Geo Tracker PDF:

HAZNET:

Name:	AIR PRODUCTS AND CHEMICALS INC
Address:	23320 S ALAMEDA ST
Address 2:	Not reported
City,State,Zip:	LONG BEACH, CA 908101921
Contact:	SHELLY STUART
Telephone:	3105180430
Mailing Name:	Not reported
Mailing Address:	GEG ENV 7201 HAMILTON BLVD
Year:	1999
Gepaid:	CAT080010655
TSD EPA ID:	CAD008302903
CA Waste Code:	352 - Other organic solids
Disposal Method:	-
Tons:	0.4
Year:	1999
Gepaid:	CAT080010655
TSD EPA ID:	CAT080014079
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H01 - Transfer Station
Tons:	0.1125
Year:	1999

AIR PRODUCTS AND CHEMICALS IN (Continued) **S113179490**

Gepaid:	CAT080010655
TSD EPA ID:	CAD008302903
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	R01 - Recycler
Tons:	0.7365
Year:	1999
Gepaid:	CAT080010655
TSD EPA ID:	CAT000646117
CA Waste Code:	352 - Other organic solids
Disposal Method:	D80 - Disposal, Land Fill
Tons:	15.1704
Year:	1999
Gepaid:	CAT080010655
TSD EPA ID:	CAT000646117
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	D80 - Disposal, Land Fill
Tons:	0.55
Year:	1999
Gepaid:	CAT080010655
TSD EPA ID:	CAD008302903
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	-
Tons:	0.814
Year:	1999
Gepaid:	CAT080010655
TSD EPA ID:	CAT080014079
CA Waste Code:	551 - Laboratory waste chemicals
Disposal Method:	H01 - Transfer Station
Tons:	0.094
Year:	1997
Gepaid:	CAT080010655
TSD EPA ID:	CAT000646117
CA Waste Code:	611 - Contaminated soil from site clean-up
Disposal Method:	D80 - Disposal, Land Fill
Tons:	2.5
Year:	1995
Gepaid:	CAT080010655
TSD EPA ID:	CAT000646117
CA Waste Code:	611 - Contaminated soil from site clean-up
Disposal Method:	D80 - Disposal, Land Fill
Tons:	0.75
Year:	1994
Gepaid:	CAT080010655
TSD EPA ID:	CAD050806850
CA Waste Code:	791 - Liquids with pH <= 2
Disposal Method:	H01 - Transfer Station
Tons:	0.25

AIR PRODUCTS AND CHEMICALS IN (Continued) **S113179490**

Click this hyperlink while viewing on your computer to access
38 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year:	1999
Gen EPA ID:	CAT080010655
Shipment Date:	19991118
Creation Date:	1/19/2000 0:00:00
Receipt Date:	19991124
Manifest ID:	99332483
Trans EPA ID:	CAT000624247
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000646117
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	15.1704
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19991117
Creation Date:	1/19/2000 0:00:00
Receipt Date:	19991130
Manifest ID:	99332484
Trans EPA ID:	NJD080631369
Trans Name:	Not reported
Trans 2 EPA ID:	CAT000624247
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000646117
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.55
Waste Quantity:	1100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990824

AIR PRODUCTS AND CHEMICALS IN (Continued) **S113179490**

Creation Date:	10/26/1999 0:00:00
Receipt Date:	19990824
Manifest ID:	98521481
Trans EPA ID:	NJD080631369
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19990824
Creation Date:	11/19/1999 0:00:00
Receipt Date:	19990831
Manifest ID:	98521482
Trans EPA ID:	NJD080631369
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080014079
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080014079
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.1125
Waste Quantity:	225
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19990824
Creation Date:	11/19/1999 0:00:00
Receipt Date:	19990831
Manifest ID:	98521482
Trans EPA ID:	NJD080631369
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080014079
Trans Name:	Not reported

AIR PRODUCTS AND CHEMICALS IN (Continued) **S113179490**

TSDF Alt EPA ID:	CAT080014079
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	F005
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.021
Waste Quantity:	42
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990824
Creation Date:	11/19/1999 0:00:00
Receipt Date:	19990831
Manifest ID:	98521482
Trans EPA ID:	NJD080631369
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080014079
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080014079
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.038
Waste Quantity:	76
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990824
Creation Date:	11/19/1999 0:00:00
Receipt Date:	19990831
Manifest ID:	98521482
Trans EPA ID:	NJD080631369
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080014079
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080014079
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.035
Waste Quantity:	70
Quantity Unit:	P
Additional Code 1:	Not reported

AIR PRODUCTS AND CHEMICALS IN (Continued) **S113179490**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990824
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	98521482
Trans EPA ID:	NJD080631369
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080014079
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080014079
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0135
Waste Quantity:	27
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990824
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	98521482
Trans EPA ID:	NJD080631369
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080014079
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080014079
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.028
Waste Quantity:	56
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990824
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	98521482

AIR PRODUCTS AND CHEMICALS IN (Continued) **S113179490**

Trans EPA ID:	NJD080631369
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080014079
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080014079
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0105
Waste Quantity:	21
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1997
Gen EPA ID:	CAT080010655
Shipment Date:	19971030
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19971103
Manifest ID:	96671482
Trans EPA ID:	NJD080631369
Trans Name:	Not reported
Trans 2 EPA ID:	CAT000624247
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000646117
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	2.5
Waste Quantity:	5000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1995
Gen EPA ID:	CAT080010655
Shipment Date:	19950216
Creation Date:	3/29/1996 0:00:00
Receipt Date:	19950224
Manifest ID:	93594483

AIR PRODUCTS AND CHEMICALS IN (Continued) **S113179490**

Trans EPA ID:	ILD099202681
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000646117
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.75
Waste Quantity:	1500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1994
Gen EPA ID:	CAT080010655
Shipment Date:	19940614
Creation Date:	3/26/1996 0:00:00
Receipt Date:	19940616
Manifest ID:	93312762
Trans EPA ID:	ILD099202681
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000646117
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	4.82
Waste Quantity:	9640
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19940106
Creation Date:	9/15/1995 0:00:00
Receipt Date:	19940111
Manifest ID:	92745494
Trans EPA ID:	CAD000057760
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850

AIR PRODUCTS AND CHEMICALS IN (Continued) **S113179490**

Trans Name:	Not reported
TSDF Alt EPA ID:	CAD050806850
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1993
Gen EPA ID:	CAT080010655
Shipment Date:	19931104
Creation Date:	9/12/1995 0:00:00
Receipt Date:	Not reported
Manifest ID:	92745371
Trans EPA ID:	CAD000057760
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D001
Meth Code:	- Not reported
Quantity Tons:	0.225
Waste Quantity:	450
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930524
Creation Date:	9/7/1995 0:00:00
Receipt Date:	Not reported
Manifest ID:	92746221
Trans EPA ID:	CAD000057760
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported

AIR PRODUCTS AND CHEMICALS IN (Continued) **S113179490**

Meth Code:	- Not reported
Quantity Tons:	0.75
Waste Quantity:	1500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930524
Creation Date:	9/7/1995 0:00:00
Receipt Date:	Not reported
Manifest ID:	92746221
Trans EPA ID:	CAD000057760
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930524
Creation Date:	9/7/1995 0:00:00
Receipt Date:	Not reported
Manifest ID:	92746221
Trans EPA ID:	CAD000057760
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	1.68
Waste Quantity:	400
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

AIR PRODUCTS AND CHEMICALS IN (Continued) **S113179490**

Shipment Date:	19930524
Creation Date:	9/7/1995 0:00:00
Receipt Date:	Not reported
Manifest ID:	92746221
Trans EPA ID:	CAD000057760
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	D001
Meth Code:	- Not reported
Quantity Tons:	1.47
Waste Quantity:	350
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19930521
Creation Date:	9/7/1995 0:00:00
Receipt Date:	Not reported
Manifest ID:	90036181
Trans EPA ID:	CAD008302903
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	12.05
Waste Quantity:	24100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19930521
Creation Date:	9/7/1995 0:00:00
Receipt Date:	Not reported
Manifest ID:	90036181
Trans EPA ID:	CAD008302903
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117

AIR PRODUCTS AND CHEMICALS IN (Continued) **S113179490**

Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	4.1305
Waste Quantity:	8261
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930513
Creation Date:	9/8/1995 0:00:00
Receipt Date:	19930513
Manifest ID:	92783592
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	4.17
Waste Quantity:	1000
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930506
Creation Date:	9/1/1995 0:00:00
Receipt Date:	Not reported
Manifest ID:	92783391
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	1.05
Waste Quantity:	250
Quantity Unit:	G

AIR PRODUCTS AND CHEMICALS IN (Continued) **S113179490**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930420
Creation Date:	9/7/1995 0:00:00
Receipt Date:	19930428
Manifest ID:	92782656
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	CAD982440364
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000646117
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.85
Waste Quantity:	1700
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	AIR PRODUCTS AND CHEMICALS INC
Address:	23320 S ALAMEDA ST
Address 2:	Not reported
City,State,Zip:	LONG BEACH, CA 90810
EPA ID:	CAT080010655
Inactive Date:	06/30/2000
Create Date:	07/23/1982
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	GEG ENV 7201 HAMILTON BLVD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	ALLENTOWN, PA 181951921
Owner Name:	AIR PRODUCTS AND CHEMICALS INC
Owner Address:	7201 HAMILTON BOULEVARD
Owner Address 2:	Not reported
Owner City,State,Zip:	ALLENTOWN, PA 181951501
Contact Name:	SHELLY STUART
Contact Address:	INACTIVE PER VQ00 - BMI
Contact Address 2:	Not reported
City,State,Zip:	CARSON, CA 908101921
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	FEDERAL
Latitude:	33.812506
Longitude:	-118.232968

AIR PRODUCTS AND CHEMICALS IN (Continued) **S113179490**

NAICS:

EPA ID:	CAT080010655
Create Date:	2002-03-14 16:36:30.000
NAICS Code:	32512
NAICS Description:	Industrial Gas Manufacturing
Issued EPA ID Date:	1982-07-23 00:00:00
Inactive Date:	2000-06-30 00:00:00
Facility Name:	AIR PRODUCTS AND CHEMICALS INC
Facility Address:	23320 S ALAMEDA ST
Facility Address 2:	Not reported
Facility City:	LONG BEACH
Facility County:	Not reported
Facility State:	CA
Facility Zip:	908101921

A10 **AIR PRODUCTS & CHEMICALS** **ENVIROSTOR** **S105024519**
Target **23320 ALAMEDA** **CPS-SLIC** **N/A**
Property **LONG BEACH, CA 90810** **HIST CORTESE**
CERS

Site 10 of 13 in cluster A

Actual: **23 ft.**

ENVIROSTOR:

Name:	AIR PRODUCTS & CHEMICALS INC
Address:	23320 SOUTH ALAMEDA STREET
City,State,Zip:	CARSON, CA 90810
Facility ID:	19281007
Status:	Refer: RWQCB
Status Date:	06/15/1995
Site Code:	Not reported
Site Type:	Historical
Site Type Detailed:	* Historical
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	* Mmonroy
Division Branch:	Cleanup Cypress
Assembly:	64
Senate:	35
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.81222
Longitude:	-118.2330
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	* HYDROCARBON SOLVENTS * Laboratory Waste Chemicals * WASTE OIL & MIXED OIL
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	ARCO REFINERY
Alias Type:	Alternate Name
Alias Name:	CAT080010655
Alias Type:	EPA Identification Number

AIR PRODUCTS & CHEMICALS (Continued) **S105024519**

Alias Name: 19281007
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 04/19/1982
Comments: FACILITY IDENTIFIED IDENTIFIED THROUGH TIP

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 02/14/1992
Comments: SSI Report reviewed by Region 4 staff. The site is bounded by: Alameda St. to the west, Sepulveda Blvd. to the south, and the Dominguez Channel to the north and east. There are three separate entities operating at the site: Texaco Ref. & Marketing, Air Products & Chemicals, and Atlantic Rich- field Co. (ARCO). In addition, the LA Co. Flood Control District (LACFCD) uses a portion in the SE corner as an equipment yard for the Dominguez Gap Saltwater Barrier Pro- ject. The Texaco Sulfer Recovery Plant is in the RCRA data base (EPA id# CAT000646331). Air Products & Chem. is also (EPA ID# CAT080010655). ARCO as well (EPA ID# CAD077227049) The RWQCB is overseeing GW contam. problems in the Carson area associated with past practices of refineries, but is not currently involved with this site. Recommend referral to RWQCB. Alameda Street Landfill is on the NE side of the Dom- inguez Channel from this site (Calsites # 19490218).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 05/19/1989
Comments: SITE SCREENING DONE E&E CONDUCTED A REASSESSMENT OF THE PA ON 12/20/88; RECOMMEND MEDIUM PRIORITY SSI; DHS CONCURS WITH RECOMMENDATION

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 06/01/1985
Comments: SOURCE ACT: LACE IW PERMIT 3/5/63 - CRYOGENIC GAS PROCESSING WASTE TYPE: LACH INSP REP 5/20/83 - COOLING WATER TO DOMINGUEZ CHANNEL, STODDARD SOLVENT - CLOSED SYSTEM 110 GAL/YR; SODIUM CARBONATE - 40 GAL/ MIN IN WASTEWATER TO CHANNEL & CAUSTIC STRIPPER - UNDERGROUND TANK 1050 GAL/M YEARS OPERATION: 1962 TO PRESENT DISPOSAL OF LAB WASTES INTO SEPTIC SYS- TEM; IN EARLIER INSPECTION: REPORTED WASTES DUMPED ON GROUND BY CHANNEL MENTIONED SUBMIT TO EPA PRELIM ASSESS DONE CERCLA 104

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported

AIR PRODUCTS & CHEMICALS (Continued) **S105024519**

Schedule Due Date: Not reported
Schedule Revised Date: Not reported

CPS-SLIC:
Name: AIR PRODUCTS & CHEMICALS, INC.
Address: 23320 ALAMEDA ST S
City,State,Zip: CARSON, CA 90810
Region: STATE
Facility Status: Completed - Case Closed
Status Date: 09/25/1997
Global Id: T0603703068
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 33.8124715
Longitude: -118.232838
Case Type: Cleanup Program Site
Case Worker: SLC
Local Agency: LOS ANGELES COUNTY
RB Case Number: 0336
File Location: Not reported
Potential Media Affected: Soil
Potential Contaminants of Concern: Other Solvent or Non-Petroleum Hydrocarbon
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

HIST CORTESE:
edr_fname: AIR PRODUCTS & CHEMICALS
edr_fadd1: 23320 ALAMEDA
City,State,Zip: LONG BEACH, CA 90810
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: I-05385

edr_fname: AIR PRODUCTS & CHEMICALS
edr_fadd1: 23320 ALAMEDA
City,State,Zip: LONG BEACH, CA 90810
Region: CORTESE
Facility County Code: 19
Reg By: CALSI
Reg Id: 19281007

CERS:
Name: AIR PRODUCTS & CHEMICALS, INC.
Address: 23320 ALAMEDA ST S
City,State,Zip: CARSON, CA 90810
Site ID: 230474
CERS ID: T0603703068
CERS Description: Cleanup Program Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: SLC - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: Not reported

AIR PRODUCTS & CHEMICALS (Continued) **S105024519**

Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	JOHN AWUJO - LOS ANGELES COUNTY
Entity Title:	Not reported
Affiliation Address:	900 S FREMONT AVE
Affiliation City:	ALHAMBRA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	6264583507,

A11 **23320 SOUTH ALAMEDA ST** **CIWQS** **S121614684**
Target **23320 S ALAMEDA ST** **N/A**
Property **LONG BEACH, CA 90810**

Site 11 of 13 in cluster A

Actual:
23 ft.

CIWQS:

Name:	23320 SOUTH ALAMEDA ST
Address:	23320 S ALAMEDA ST
City,State,Zip:	LONG BEACH, CA 90810
Agency:	Air Products AND cHEMICALS
Agency Address:	1515 Norman Avenue, Santa Clara , CA 90744
Place/Project Type:	Construction - Industrial
SIC/NAICS:	Not reported
Region:	4
Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	99-08DW
WDID:	4 19C308794
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	04/08/1998
Termination Date:	12/23/1999
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	Not reported
Longitude:	Not reported

A12 **AIR PRODUCTS AND CHEMICALS, INC.** **CPS-SLIC** **S106386996**
Target **23320 ALAMEDA** **N/A**
Property **CARSON, CA 90810**

Site 12 of 13 in cluster A

Actual: SLIC REG 4:
23 ft.
Region: 4
Facility Status: No further action required
SLIC: 0336
Substance: TPH/V
Staff: Not reported

A13 **AIR PRODUCTS & CHEMICALS, INC.** **RGA LUST** **S114569204**
Target **23320 ALAMEDA ST S** **N/A**
Property **CARSON, CA**

Site 13 of 13 in cluster A

Actual: RGA LUST:
23 ft.
Name: AIR PRODUCTS & CHEMICALS, INC.
Address: 23320 ALAMEDA ST S
City: CARSON
State: CARSON
2007 AIR PRODUCTS & CHEMICALS, INC. 23320 ALAMEDA ST S
Name: AIR PRODUCTS & CHEMICALS, INC.
Address: 23320 ALAMEDA ST S
City: CARSON
State: CARSON
2006 AIR PRODUCTS & CHEMICALS, INC. 23320 ALAMEDA ST S
Name: AIR PRODUCTS & CHEMICALS, INC.
Address: 23320 ALAMEDA ST S
City: CARSON
State: CARSON
2005 AIR PRODUCTS & CHEMICALS, INC. 23320 ALAMEDA ST S
Name: AIR PRODUCTS & CHEMICALS, INC.
Address: 23320 ALAMEDA ST S
City: CARSON
State: CARSON
2003 AIR PRODUCTS & CHEMICALS, INC. 23320 ALAMEDA ST S
Name: AIR PRODUCTS & CHEMICALS, INC.
Address: 23320 ALAMEDA ST S
City: CARSON
State: CARSON
2001 AIR PRODUCTS & CHEMICALS, INC. 23320 ALAMEDA ST S
Name: AIR PRODUCTS & CHEMICALS, INC.
Address: 23320 ALAMEDA ST S
City: CARSON
State: CARSON
2000 AIR PRODUCTS & CHEMICALS, INC. 23320 ALAMEDA ST S

NPL **MONTROSE CHEMICAL CORP.** **NPL** **1000420366**
Region **20201 S NORMANDIE AVE** **SEMS** **CAD008242711**
TORRANCE, CA 90502 **RCRA-LQG**
< 1/8 **US ENG CONTROLS**
1 ft. **US INST CONTROLS**
ROD
PRP
ICIS
CONSENT
FINDS

NPL:

EPA Region:	9
EPA ID:	CAD008242711
Site ID:	900993
Name:	MONTROSE CHEMICAL CORP.
Address:	20201 S NORMANDIE AVE
City,State,Zip:	TORRANCE, CA 90502
Federal:	N
Final Date:	1989-10-04 00:00:00
Latitude:	33.848331
Longitude:	-118.2983
Site Score:	32.100000000000001
NAI:	Not reported
Native American Entity:	Not reported

Substance as of 08/2019:

NPL Status:	Currently on the Final NPL
Substance ID:	Not reported
CAS Number:	Not reported
Substance:	Not reported
Pathway:	Not reported
Scoring:	Not reported

NPL Status:	Currently on the Final NPL
Substance ID:	A023
CAS Number:	72-55-9
Substance:	DDE
Pathway:	AIR PATHWAY
Scoring:	2

NPL Status:	Currently on the Final NPL
Substance ID:	U060
CAS Number:	72-54-8
Substance:	DDD
Pathway:	AIR PATHWAY
Scoring:	2

NPL Status:	Currently on the Final NPL
Substance ID:	U061
CAS Number:	50-29-3
Substance:	DDT
Pathway:	AIR PATHWAY
Scoring:	4

NPL Status:	Currently on the Final NPL
Substance ID:	U061
CAS Number:	50-29-3
Substance:	DDT
Pathway:	GROUND WATER PATHWAY

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

Scoring: 3

NPL Status: Currently on the Final NPL
Substance ID: U061
CAS Number: 50-29-3
Substance: DDT
Pathway: SURFACE WATER PATHWAY
Scoring: 3

Summary Details:

Conditions at proposal October 15, 1984): Montrose Chemical Corp. manufactured DDT on a l3-acre site in a light industrial/residential area of Torrance, Los Angeles County, California, from 1947 until 1982. About 3,000 people live or work within 0.25 mile of the site. The company s operations included formulation, grinding, packaging, and distribution of DDT. According to analyses conducted by EPA, Montrose, and various State and local agencies, on- and off-site soils, surface water, and sediments are contaminated with DDT. The major transport mechanisms identified were storm water run-off and aerial emissions. On May 6, 1983, EPA issued an Administrative Order under CERCLA Section 106 requiring Montrose Chemical to cease all discharges of DDT and to initiate a study to determine the nature and extent of contamination. After a more detailed review of the Montrose site, EPA determined that further work was necessary to characteri e the site andevaluate alternatives. Therefore, EPA prepared a workplan for a remedial investigation/feasibility study RI/FS). This second phase of investigation will assess all areas of contamination, both on- and off-site, and any public health and environmental impacts. Status June 1986): In February 1985, Montrose installed a temporary asphalt cover over the site. EPA did not endorse this activity. In the summer of 1985, EPA conducted Part I of the RI. On-site sampling foundhigh levels of contamination at 77-foot depths in soil and in shallow ground water. In October 1985, Montrose and EPA signed an Administrative Order under CERCLA Section 106 requiring Montrose to conduct Part II of the RI, which includes on-site sampling of ground water and off-site sampling of soil, sediments, surface water, and ground water. Status November 1988): During July 1986, EPA sampled off-site dust and soil and verified that DDT migrated off-site via aerial dispersion.In November 1986, Montrose completed Phase I sampling under Part II of the RI. Results indicated that soils near the site are contaminated with high levels of DDT, and that the two shallower aquifers in the four-aquifer system underlying the site are contaminated with DDT and monochloroben ene. In October 1987, EPA and Montrose signed an amendment to the October 1985 Administrative Order, calling for both on- and off-site sampling of the two deeper aquifers in the four-aquifer system. Status October 4, 1989): In July 1989, EPA and Montrose signed a second amendment to the original order, under which Montrose will conduct the FS for the overall site and evaluate options for removing DDT-contaminated sediments in the sanitary sewer lines near the site. Sampling conducted under the first amended order indicates that ground water is contaminated with high levels of monochloroben ene 0.25 mile downgradient from the site. Deep wells and additional downgradient wells will be constructed and sampled.

Category as of 08/2019:
NPL Status: Currently on the Final NPL
Category Description: Depth To Aquifer-> 100 Feet
Category Value: 400

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

NPL Status: Currently on the Final NPL
Category Description: Distance To Nearest Population-> 0 And <= 1/4 Mile
Category Value: 100

Narratives as of 08/2019:
NPL Name: MONTROSE CHEMICAL CORP.

Site as of 08/2019:
EPA Region: 09
Site ID: 0900993
Site Status: F
Federal Site: N
Date Deleted: Not reported
Date Finalized: 10/04/89
Date Proposed: 10/15/84

Site Status as of 08/2019:
Proposed Date: 10/15/1984
Final Date: 10/04/1989
Deleted Date: Not reported
NPL Status: Final

Narr:
Site Name: Montrose Chemical Corp.
Site EPA ID: CAD008242711
Listing Date: 10/4/1989
Site Score: 32.1
Federal Facility Indicator: No
Site List URL: https://semspub.epa.gov/src/document/09/2400244
Site Progress URL: https://cumulis.epa.gov/supercpad/cursites/csitinfo.cfm?id=0900993
Federal Register URL: https://semspub.epa.gov/src/document/11/189633
Site Location URL: https://epa.maps.arcgis.com/apps/webappviewer/index.html?id=33cebcdfdd1b4c3a8b51d416956c41f1&query=Superfund_National_Priorities_List__NPL__Sites_with_Status_Information_7557,SITE_EPA_ID=%27CAD008242711%27

SEMS:
Site ID: 0900993
EPA ID: CAD008242711
Name: MONTROSE CHEMICAL CORP.
Address: 20201 S NORMANDIE AVE
Address 2: Not reported
City,State,Zip: TORRANCE, CA 90502
Cong District: 36,37,43
FIPS Code: 06037
Latitude: 33.848331
Longitude: -118.298300
FF: N
NPL: Currently on the Final NPL
Non NPL Status: Not reported

SEMS Detail:
Region: 09
Site ID: 0900993
EPA ID: CAD008242711

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	00
Action Code:	NP
Action Name:	PROPOSED
SEQ:	1
Start Date:	1984-10-15 05:00:00
Finish Date:	1984-10-15 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	00
Action Code:	EE
Action Name:	EE/CA
SEQ:	2
Start Date:	1996-07-09 04:00:00
Finish Date:	2001-09-28 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	00
Action Code:	MA
Action Name:	ST COOP
SEQ:	1
Start Date:	1989-04-30 04:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	01
Action Code:	TS
Action Name:	TRTSTUDY
SEQ:	1
Start Date:	1992-06-01 04:00:00
Finish Date:	1994-08-12 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	01
Action Code:	ED
Action Name:	R/H ASMT
SEQ:	1
Start Date:	1992-03-01 05:00:00
Finish Date:	2017-05-01 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	00
Action Code:	TG
Action Name:	TA GRANT
SEQ:	1
Start Date:	2000-04-07 04:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	00
Action Code:	TA
Action Name:	TECH ASSIST
SEQ:	1
Start Date:	2001-04-03 04:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	00
Action Code:	AR
Action Name:	ADMIN REC
SEQ:	2
Start Date:	1994-06-28 04:00:00
Finish Date:	1994-06-28 04:00:00

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

Qual:	V
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	00
Action Code:	RC
Action Name:	RVL CRP
SEQ:	1
Start Date:	1994-04-11 04:00:00
Finish Date:	1998-09-24 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	00
Action Code:	CR
Action Name:	CI
SEQ:	1
Start Date:	1985-01-02 06:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	00
Action Code:	RS
Action Name:	RV ASSESS
SEQ:	1
Start Date:	1990-08-01 04:00:00
Finish Date:	1990-08-01 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	04
Action Code:	RV
Action Name:	RMVL

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

SEQ: 3
Start Date: 2001-05-08 04:00:00
Finish Date: 2002-09-26 04:00:00
Qual: C
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 03
Action Code: RD
Action Name: RD
SEQ: 2
Start Date: 1999-08-01 04:00:00
Finish Date: 2003-05-27 04:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 04
Action Code: CO
Action Name: RI/FS
SEQ: 2
Start Date: 1994-03-02 05:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 04
Action Code: RV
Action Name: RMVL
SEQ: 4
Start Date: 2001-04-12 04:00:00
Finish Date: 2002-03-06 05:00:00
Qual: C
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

OU: 00
Action Code: AR
Action Name: ADMIN REC
SEQ: 5
Start Date: 2000-08-24 04:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 00
Action Code: AR
Action Name: ADMIN REC
SEQ: 4
Start Date: 2000-03-24 05:00:00
Finish Date: Not reported
Qual: V
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 00
Action Code: RV
Action Name: RMVL
SEQ: 1
Start Date: 1994-04-11 04:00:00
Finish Date: 1999-06-30 04:00:00
Qual: C
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: 1984-04-01 06:00:00
Finish Date: 1984-04-01 06:00:00
Qual: H
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900993
EPA ID: CAD008242711

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	00
Action Code:	CR
Action Name:	CI
SEQ:	2
Start Date:	1997-08-14 04:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	01
Action Code:	RI
Action Name:	RI
SEQ:	2
Start Date:	1998-01-08 05:00:00
Finish Date:	1998-05-18 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	03
Action Code:	AR
Action Name:	ADMIN REC
SEQ:	3
Start Date:	1998-05-01 04:00:00
Finish Date:	1998-06-30 04:00:00
Qual:	E
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	00
Action Code:	NF
Action Name:	NPL FINL
SEQ:	1
Start Date:	1989-10-04 04:00:00
Finish Date:	1989-10-04 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	03
Action Code:	FS
Action Name:	FS
SEQ:	3
Start Date:	1997-08-14 04:00:00
Finish Date:	1999-03-30 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	01
Action Code:	RI
Action Name:	RI
SEQ:	1
Start Date:	1985-01-01 06:00:00
Finish Date:	1986-04-30 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	00
Action Code:	HR
Action Name:	HAZRANK
SEQ:	1
Start Date:	1988-06-01 04:00:00
Finish Date:	1988-06-01 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	00
Action Code:	CR
Action Name:	CI
SEQ:	4
Start Date:	2004-09-10 04:00:00
Finish Date:	Not reported

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	00
Action Code:	RS
Action Name:	RV ASSESS
SEQ:	2
Start Date:	1991-12-11 05:00:00
Finish Date:	1991-12-11 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	00
Action Code:	SI
Action Name:	SI
SEQ:	1
Start Date:	1984-04-01 06:00:00
Finish Date:	1984-04-01 06:00:00
Qual:	H
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	00
Action Code:	FE
Action Name:	5 YEAR
SEQ:	1
Start Date:	2013-09-12 05:00:00
Finish Date:	2014-08-28 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	03
Action Code:	RO
Action Name:	ROD

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

SEQ: 2
Start Date: 1999-03-30 05:00:00
Finish Date: 1999-03-30 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 00
Action Code: RV
Action Name: RMVL
SEQ: 2
Start Date: 1994-03-24 05:00:00
Finish Date: 2009-09-30 04:00:00
Qual: S
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 00
Action Code: AR
Action Name: ADMIN REC
SEQ: 1
Start Date: 1991-06-05 04:00:00
Finish Date: 1991-06-05 04:00:00
Qual: V
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 04
Action Code: RV
Action Name: RMVL
SEQ: 5
Start Date: 2007-12-03 05:00:00
Finish Date: 2008-02-21 05:00:00
Qual: C
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

OU:	06
Action Code:	CO
Action Name:	RI/FS
SEQ:	4
Start Date:	2005-10-01 04:00:00
Finish Date:	2021-03-11 06:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	02
Action Code:	RI
Action Name:	RI
SEQ:	3
Start Date:	1985-01-01 06:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	05
Action Code:	RD
Action Name:	RD
SEQ:	5
Start Date:	2009-07-22 05:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	05
Action Code:	CO
Action Name:	RI/FS
SEQ:	3
Start Date:	2003-07-17 04:00:00
Finish Date:	2009-05-27 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0900993
EPA ID:	CAD008242711

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	05
Action Code:	RO
Action Name:	ROD
SEQ:	4
Start Date:	2009-09-30 04:00:00
Finish Date:	2009-09-30 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	05
Action Code:	AR
Action Name:	ADMIN REC
SEQ:	6
Start Date:	2004-11-30 05:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	02
Action Code:	EE
Action Name:	EE/CA
SEQ:	3
Start Date:	2008-06-04 05:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	01
Action Code:	ED
Action Name:	R/H ASMT
SEQ:	2
Start Date:	1992-03-01 05:00:00
Finish Date:	2017-05-01 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	03
Action Code:	RO
Action Name:	ROD
SEQ:	7
Start Date:	2020-09-30 05:00:00
Finish Date:	2020-09-30 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	00
Action Code:	MA
Action Name:	ST COOP
SEQ:	2
Start Date:	2010-10-07 04:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1980-01-01 05:00:00
Finish Date:	1980-01-01 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	00
Action Code:	CR
Action Name:	CI
SEQ:	3
Start Date:	2001-02-15 05:00:00
Finish Date:	Not reported

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	00
Action Code:	FE
Action Name:	5 YEAR
SEQ:	2
Start Date:	2018-11-19 06:00:00
Finish Date:	2019-09-11 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	05
Action Code:	RD
Action Name:	RD
SEQ:	16
Start Date:	2013-08-22 05:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	05
Action Code:	RA
Action Name:	RA
SEQ:	13
Start Date:	2009-09-30 04:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	00
Action Code:	CR
Action Name:	CI

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

SEQ:	5
Start Date:	2010-05-19 05:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	00
Action Code:	CR
Action Name:	CI
SEQ:	6
Start Date:	2016-04-19 05:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	05
Action Code:	FS
Action Name:	FS
SEQ:	4
Start Date:	2021-04-01 05:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	00
Action Code:	FE
Action Name:	5 YEAR
SEQ:	5
Start Date:	2019-09-06 05:00:00
Finish Date:	2020-09-29 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

OU:	00
Action Code:	FE
Action Name:	5 YEAR
SEQ:	4
Start Date:	2015-09-30 05:00:00
Finish Date:	2015-09-30 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	04
Action Code:	PD
Action Name:	SITE SEC
SEQ:	1
Start Date:	2008-08-29 05:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	05
Action Code:	RA
Action Name:	RA
SEQ:	14
Start Date:	2013-09-03 05:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	05
Action Code:	TA
Action Name:	TECH ASSIST
SEQ:	2
Start Date:	2022-06-21 05:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0900993
EPA ID:	CAD008242711

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	06
Action Code:	FM
Action Name:	FPA/MA
SEQ:	1
Start Date:	2022-02-28 06:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	01
Action Code:	BD
Action Name:	PRP RI/FS
SEQ:	2
Start Date:	1986-10-10 04:00:00
Finish Date:	1998-01-08 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Ovrsght
Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	00
Action Code:	BB
Action Name:	PRP RV
SEQ:	1
Start Date:	1988-02-19 05:00:00
Finish Date:	1989-06-21 04:00:00
Qual:	C
Current Action Lead:	EPA Ovrsght
Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	03
Action Code:	NK
Action Name:	PRP FS
SEQ:	4
Start Date:	1998-01-08 05:00:00
Finish Date:	2020-09-30 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Ovrsght

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	00
Action Code:	BB
Action Name:	PRP RV
SEQ:	2
Start Date:	1988-02-19 05:00:00
Finish Date:	1999-03-31 05:00:00
Qual:	C
Current Action Lead:	EPA Ovrsght

Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	03
Action Code:	NK
Action Name:	PRP FS
SEQ:	2
Start Date:	1985-10-28 06:00:00
Finish Date:	1997-08-14 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Ovrsght

Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	06
Action Code:	BB
Action Name:	PRP RV
SEQ:	3
Start Date:	2006-01-17 05:00:00
Finish Date:	2006-01-17 05:00:00
Qual:	S
Current Action Lead:	EPA Ovrsght

Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	03
Action Code:	BE
Action Name:	PRP RD
SEQ:	2
Start Date:	2003-05-27 04:00:00
Finish Date:	2012-09-19 05:00:00

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

Qual:	Not reported
Current Action Lead:	EPA Ovrsght
Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	06
Action Code:	NA
Action Name:	PRP RI
SEQ:	1
Start Date:	2006-07-05 04:00:00
Finish Date:	2021-03-11 06:00:00
Qual:	Not reported
Current Action Lead:	EPA Ovrsght
Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	01
Action Code:	OM
Action Name:	OM
SEQ:	7
Start Date:	2002-03-06 05:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Ovrsght
Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	01
Action Code:	NK
Action Name:	PRP FS
SEQ:	3
Start Date:	1998-01-08 05:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Ovrsght
Region:	09
Site ID:	0900993
EPA ID:	CAD008242711
Site Name:	MONTROSE CHEMICAL CORP.
NPL:	F
FF:	N
OU:	07
Action Code:	BD
Action Name:	PRP RI/FS

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

SEQ: 3
Start Date: 2008-09-24 04:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 06
Action Code: BD
Action Name: PRP RI/FS
SEQ: 4
Start Date: 2016-11-04 04:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 03
Action Code: OM
Action Name: OM
SEQ: 2
Start Date: 1998-09-30 04:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 03
Action Code: BF
Action Name: PRP RA
SEQ: 1
Start Date: 2012-09-19 05:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Ovrsght

RCRA Listings:
Date Form Received by Agency: 20220216
Handler Name: Montrose Chemical Company Of California
Handler Address: 20201 SOUTH NORMANDIE AVENUE
Handler City,State,Zip: TORRANCE, CA 90502

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

EPA ID:	CAD008242711
Contact Name:	MICHAEL A PALMER
Contact Address:	SCOTT STREET, SUITE 104
Contact City,State,Zip:	SAN DIEGO, CA 92106
Contact Telephone:	619-546-8377
Contact Fax:	Not reported
Contact Email:	MPALMER@DEMAXIMIS.COM
Contact Title:	PROJECT COORDINATOR
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	2021
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	ERICKSEN AVENUE NE, SUITE 380
Mailing City,State,Zip:	BAINBRIDGE ISLAND, WA 98110
Owner Name:	Montrose Chemical Corporation Of Califor
Owner Type:	Private
Operator Name:	Montrose Chemical Corporation Of Califor
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20220616
Recognized Trader-Importer:	No

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

Recognized Trader-Exporter: No
Importer of Spent Lead Acid Batteries: No
Exporter of Spent Lead Acid Batteries: No
Recycler Activity Without Storage: No
Manifest Broker: No
Sub-Part P Indicator: No

Biennial: List of Years
Year: 2021

Click Here for Biennial Reporting System Data:
Year: 2019

Click Here for Biennial Reporting System Data:
Year: 2015

Click Here for Biennial Reporting System Data:
Year: 2013

Click Here for Biennial Reporting System Data:
Year: 2009

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D001
Waste Description: IGNITABLE WASTE

Waste Code: D012
Waste Description: ENDRIN
(1,2,3,4,10,10-HEXACHLORO-1,7-EPOXY-1,4,4A,5,6,7,8,8A-OCTAHYDRO-1,4-ENDO, ENDO-5,8-DIMETH-ANO-NAPHTHALENE)

Waste Code: D018
Waste Description: BENZENE

Waste Code: D019
Waste Description: CARBON TETRACHLORIDE

Waste Code: D021
Waste Description: CHLOROBENZENE

Waste Code: D022
Waste Description: CHLOROFORM

Waste Code: D027
Waste Description: 1,4-DICHLOROBENZENE

Waste Code: D033
Waste Description: HEXACHLOROBUTADIENE

Waste Code: D034
Waste Description: HEXACHLOROETHANE

Waste Code: D039
Waste Description: TETRACHLOROETHYLENE

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

Waste Code: D040
Waste Description: TRICHLORETHYLENE

Waste Code: U060
Waste Description: BENZENE, 1,1'-(2,2-DICHLOROETHYLIDENE)BIS[4-CHLORO- (OR) DDD

Waste Code: U061
Waste Description: BENZENE, 1,1'-(2,2,2-TRICHLOROETHYLIDENE)BIS[4-CHLORO- (OR) DDT

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: MONTROSE CHEMICAL CORP. OF CALIFORNIA
Legal Status: Private
Date Became Current: 19470101
Date Ended Current: Not reported
Owner/Operator Address: 600 ERICKSON AVE, NE, SUITE 380
Owner/Operator City,State,Zip: BAINBRIDGE ISLAND, WA 98110
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: MONTROSE CHEMICAL CORPORATION OF CALIFOR
Legal Status: Private
Date Became Current: 19470101
Date Ended Current: Not reported
Owner/Operator Address: 600 ERICKSEN AVENUE NE, SUITE 380
Owner/Operator City,State,Zip: BAINBRIDGE ISLAND, WA 98110
Owner/Operator Telephone: 619-546-8377
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: MONTROSE CHEMICAL COMPANY OF CALIFORNIA
Legal Status: Private
Date Became Current: 19470101
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: MONTROSE CHEMICAL CORP. OF CALIFORNIA
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: P O BOX E
Owner/Operator City,State,Zip: CITY NOT REPORTED, NJ 99999
Owner/Operator Telephone: 201-964-3250
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

Owner/Operator Indicator: Owner
Owner/Operator Name: MONTROSE CHEMICAL CORP. OF CALIFORNIA
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: P O BOX E
Owner/Operator City,State,Zip: UNION, NJ 07083
Owner/Operator Telephone: 201-964-3250
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: MONTROSE CHEMICAL COMPANY OF CALIFORNIA
Legal Status: Private
Date Became Current: 19470101
Date Ended Current: Not reported
Owner/Operator Address: 600 ERICKSEN AVENUE NE, SUITE 380
Owner/Operator City,State,Zip: BAINBRIDGE ISLAND, WA 98110
Owner/Operator Telephone: 619-546-8377
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: MONTROSE CHEMICAL COMPANY OF CALIFORNIA
Legal Status: Private
Date Became Current: 19470101
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: MONTROSE CHEMICAL CORPORATION OF CALIFOR
Legal Status: Private
Date Became Current: 19470101
Date Ended Current: Not reported
Owner/Operator Address: 600 ERICKSEN AVENUE NE, SUITE 380
Owner/Operator City,State,Zip: BAINBRIDGE ISLAND, WA 98110
Owner/Operator Telephone: 619-546-8377
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: MONTROSE CHEMICAL CORPORATION OF CALIFOR
Legal Status: Private
Date Became Current: 19470101
Date Ended Current: Not reported
Owner/Operator Address: 600 ERICKSEN AVENUE NE, SUITE 380
Owner/Operator City,State,Zip: BAINBRIDGE ISLAND, WA 98110
Owner/Operator Telephone: 619-546-8377
Owner/Operator Telephone Ext: Not reported

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

Owner/Operator Fax: Not reported
Owner/Operator Email: MCCC@MONTROSECHEMICAL.COM

Owner/Operator Indicator: Operator
Owner/Operator Name: MONTROSE CHEMICAL CORP OF CALIFORNIA
Legal Status: Private
Date Became Current: 19470101
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: MONTROSE CHEMICAL CORPORATION OF CALIFOR
Legal Status: Private
Date Became Current: 19470101
Date Ended Current: Not reported
Owner/Operator Address: 600 ERICKSEN AVENUE NE, SUITE 380
Owner/Operator City,State,Zip: BAINBRIDGE ISLAND, WA 98110
Owner/Operator Telephone: 619-546-8377
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: MONTROSE CHEMICAL CORPORATION OF CALIFOR
Legal Status: Private
Date Became Current: 19470101
Date Ended Current: Not reported
Owner/Operator Address: 600 ERICKSEN AVENUE NE, SUITE 380
Owner/Operator City,State,Zip: BAINBRIDGE ISLAND, WA 98110
Owner/Operator Telephone: 619-546-8377
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: MCCC@MONTROSECHEMICAL.COM

Owner/Operator Indicator: Operator
Owner/Operator Name: MONTROSE CHEMICAL CORP. OF CALIFORNIA
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: P O BOX E
Owner/Operator City,State,Zip: CITY NOT REPORTED, NJ 99999
Owner/Operator Telephone: 201-964-3250
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20100615
Handler Name: MONTROSE CHEMICAL CORPORATION OF CALIFORNIA
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20140301
Handler Name: MONTROSE CHEMICAL COMPANY OF CALIFORNIA
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20160212
Handler Name: MONTROSE CHEMICAL COMPANY OF CALIFORNIA
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20200210
Handler Name: MONTROSE CHEMICAL COMPANY OF CALIFORNIA
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20220216
Handler Name: MONTROSE CHEMICAL COMPANY OF CALIFORNIA
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 19960901
Handler Name: MONTROSE CHEM CORP OF CA
Federal Waste Generator Description: Large Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19960901
Handler Name: MONTROSE CHEM CORP OF CA
Federal Waste Generator Description: Small Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19800807
Handler Name: MONTROSE CHEM CORP OF CA
Federal Waste Generator Description: Large Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 32511
NAICS Description: PETROCHEMICAL MANUFACTURING

NAICS Code: 325199
NAICS Description: ALL OTHER BASIC ORGANIC CHEMICAL MANUFACTURING

NAICS Code: 32532
NAICS Description: PESTICIDE AND OTHER AGRICULTURAL CHEMICAL MANUFACTURING

NAICS Code: 56291
NAICS Description: REMEDIATION SERVICES

Has the Facility Received Notices of Violations:

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:
Evaluation Date: 19820517
Evaluation Responsible Agency: EPA
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9EPA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19801222
Evaluation Responsible Agency: EPA
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9EPA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

SIte:
Name: MONTROSE CHEMICAL CORP.
Address: 20201 S NORMANDIE AVE
Address 2: Not reported
City,State,Zip: TORRANCE, CA 90502
Event Code: Not reported
Action Taken Date: 09/30/2020
EPA ID: CAD008242711
Action Name: Record of Decision

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

Action ID: 7
Operable Unit: 03
Contaminated Media: Soil
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 2020
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.848331
Longitude: -118.298300

Media:
EPA ID: CAD008242711
Contaminated Media: Groundwater
Action ID: 2
Operable Unit: 03
Action Name: Record of Decision
Action Taken Date: 03/30/1999
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 1999
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.848331
Longitude: -118.298300

EPA ID: CAD008242711
Contaminated Media: Groundwater
Action ID: 2
Operable Unit: 03
Action Name: Record of Decision
Action Taken Date: 03/30/1999
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 1999
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.848331
Longitude: -118.298300

EPA ID: CAD008242711
Contaminated Media: Groundwater
Action ID: 2
Operable Unit: 03
Action Name: Record of Decision
Action Taken Date: 03/30/1999
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

Federal Facility:	N
Fiscal Year:	1999
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.848331
Longitude:	-118.298300

EPA ID:	CAD008242711
Contaminated Media:	Groundwater
Action ID:	2
Operable Unit:	03
Action Name:	Record of Decision
Action Taken Date:	03/30/1999
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	1999
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.848331
Longitude:	-118.298300

EPA ID:	CAD008242711
Contaminated Media:	Groundwater
Action ID:	2
Operable Unit:	03
Action Name:	Record of Decision
Action Taken Date:	03/30/1999
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	1999
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.848331
Longitude:	-118.298300

EPA ID:	CAD008242711
Contaminated Media:	Groundwater
Action ID:	2
Operable Unit:	03
Action Name:	Record of Decision
Action Taken Date:	03/30/1999
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	1999
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.848331
Longitude:	-118.298300

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

EPA ID:	CAD008242711
Contaminated Media:	Groundwater
Action ID:	2
Operable Unit:	03
Action Name:	Record of Decision
Action Taken Date:	03/30/1999
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	1999
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.848331
Longitude:	-118.298300

EPA ID:	CAD008242711
Contaminated Media:	Groundwater
Action ID:	2
Operable Unit:	03
Action Name:	Record of Decision
Action Taken Date:	03/30/1999
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	1999
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.848331
Longitude:	-118.298300

EPA ID:	CAD008242711
Contaminated Media:	Sediment
Action ID:	4
Operable Unit:	05
Action Name:	Record of Decision
Action Taken Date:	09/30/2009
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	2009
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.848331
Longitude:	-118.298300

EPA ID:	CAD008242711
Contaminated Media:	Sediment
Action ID:	4
Operable Unit:	05
Action Name:	Record of Decision
Action Taken Date:	09/30/2009

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 2009
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.848331
Longitude: -118.298300

EPA ID: CAD008242711
Contaminated Media: Sediment
Action ID: 4
Operable Unit: 05
Action Name: Record of Decision
Action Taken Date: 09/30/2009
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 2009
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.848331
Longitude: -118.298300

EPA ID: CAD008242711
Contaminated Media: Surface Water
Action ID: 4
Operable Unit: 05
Action Name: Record of Decision
Action Taken Date: 09/30/2009
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 2009
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.848331
Longitude: -118.298300

EPA ID: CAD008242711
Contaminated Media: Sediment
Action ID: 4
Operable Unit: 05
Action Name: Record of Decision
Action Taken Date: 09/30/2009
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 2009

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.848331
Longitude: -118.298300

EPA ID: CAD008242711
Contaminated Media: Soil
Action ID: 7
Operable Unit: 03
Action Name: Record of Decision
Action Taken Date: 09/30/2020
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 2020
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.848331
Longitude: -118.298300

EPA ID: CAD008242711
Contaminated Media: Free-phase NAPL
Action ID: 7
Operable Unit: 03
Action Name: Record of Decision
Action Taken Date: 09/30/2020
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 2020
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.848331
Longitude: -118.298300

US INST CONTROLS:
Name: MONTROSE CHEMICAL CORP.
Address: 20201 S NORMANDIE AVE
Address 2: Not reported
City,State,Zip: TORRANCE, CA 90502
EPA ID: CAD008242711
Action Name: Record of Decision
Action ID: 2
Operable Unit: 03
Actual Date: 03/30/1999
Contaminated Media: Groundwater
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 1999

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.848331
Longitude: -118.298300

Name: MONTROSE CHEMICAL CORP.
Address: 20201 S NORMANDIE AVE
Address 2: Not reported
City,State,Zip: TORRANCE, CA 90502
EPA ID: CAD008242711
Action Name: Record of Decision
Action ID: 4
Operable Unit: 05
Actual Date: 09/30/2009
Contaminated Media: Sediment
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 2009
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.848331
Longitude: -118.298300

Name: MONTROSE CHEMICAL CORP.
Address: 20201 S NORMANDIE AVE
Address 2: Not reported
City,State,Zip: TORRANCE, CA 90502
EPA ID: CAD008242711
Action Name: Record of Decision
Action ID: 7
Operable Unit: 03
Actual Date: 09/30/2020
Contaminated Media: Free-phase NAPL
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 2020
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.848331
Longitude: -118.298300

Name: MONTROSE CHEMICAL CORP.
Address: 20201 S NORMANDIE AVE
Address 2: Not reported
City,State,Zip: TORRANCE, CA 90502
EPA ID: CAD008242711
Action Name: Record of Decision
Action ID: 7
Operable Unit: 03
Actual Date: 09/30/2020
Contaminated Media: Soil

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 2020
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.848331
Longitude: -118.298300

ROD:
Name: MONTROSE CHEMICAL CORP.
Address: 20201 S NORMANDIE AVE
City,State,Zip: TORRANCE, CA 90502
EPA ID: CAD008242711
RG: 9
Site ID: 900993
Action: GOVT Decision Document (ROD)
Operable Unit Number: GROUNDWATER/NAPL (OU-03)
SEQ ID: 2
Action Completion: 1999-03-30 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: MONTROSE CHEMICAL CORP.
Address: 20201 S NORMANDIE AVE
City,State,Zip: TORRANCE, CA 90502
EPA ID: CAD008242711
RG: 9
Site ID: 900993
Action: GOVT Decision Document (ROD)
Operable Unit Number: PALOS VERDES SHELF (OU-05)
SEQ ID: 4
Action Completion: 2009-09-30 00:00:00
NPL Status: Final
Non NPL Status: Not reported

PRP:
PRP Name:
ATKEMIX THIRTY-SEVEN, INC.
ATKEMIX THIRTY-SEVEN, INC.
ATKEMIX THIRTY-SEVEN, INC.
ATKEMIX THIRTY-SEVEN, INC.
AVENTIS CROPSCIENCE USA, INC
AVENTIS CROPSCIENCE USA, INC
AVENTIS CROPSCIENCE USA, INC
AVENTIS CROPSCIENCE USA, INC
CBS CORPORATION
CHRIS-CRAFT CORPORATION OF CALIFORNIA
CHRIS-CRAFT CORPORATION OF CALIFORNIA
CHRIS-CRAFT CORPORATION OF CALIFORNIA
CHRIS-CRAFT CORPORATION OF CALIFORNIA
CITY OF LOS ANGELES
CITY OF LOS ANGELES
ECOLOGY CONTROL INDUSTRIES, INC.
ECOLOGY CONTROL INDUSTRIES, INC.

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

ECOLOGY CONTROL INDUSTRIES, INC.
ICI AMERICAN HOLDINGS, INC.
ICI AMERICAN HOLDINGS, INC.

Click this hyperlink while viewing on your computer to access
41 additional PRP: record(s) in the EDR Site Report.

ICIS:

Enforcement Action ID:	09-2016-2507
FRS ID:	110002630608
Action Name:	MONTROSE - ECOLOGY CONTROL INDUSTRIES UAO
Facility Name:	MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Facility Address:	20201 SOUTH NORMANDIE AVENUE TORRANCE, CA 90502
Enforcement Action Type:	CERCLA 106 AO For Resp Action/Imm Haz
Facility County:	LOS ANGELES
Program System Acronym:	ICIS
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	106
Facility SIC Code:	2879
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.84833
Longitude in Decimal Degrees:	-118.2983
Permit Type Desc:	Not reported
Program System Acronym:	10849
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported

Enforcement Action ID:	09-2016-2507
FRS ID:	110002630608
Action Name:	MONTROSE - ECOLOGY CONTROL INDUSTRIES UAO
Facility Name:	MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Facility Address:	20201 SOUTH NORMANDIE AVENUE TORRANCE, CA 90502
Enforcement Action Type:	CERCLA 106 AO For Resp Action/Imm Haz
Facility County:	LOS ANGELES
Program System Acronym:	CERCLIS
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	106
Facility SIC Code:	Not reported
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.84833
Longitude in Decimal Degrees:	-118.2983
Permit Type Desc:	Not reported
Program System Acronym:	CAD008242711
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported

Enforcement Action ID:	09-2010-2518
FRS ID:	110002630608
Action Name:	Montrose/Del Amo Superfund Sites Dual Site Groundwater OU RD/RA
Facility Name:	MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Facility Address:	20201 SOUTH NORMANDIE AVENUE TORRANCE, CA 90502
Enforcement Action Type:	Civil Judicial Action
Facility County:	LOS ANGELES
Program System Acronym:	CERCLIS
Enforcement Action Forum Desc:	Judicial

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

EA Type Code: CIV
Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.84833
Longitude in Decimal Degrees: -118.2983
Permit Type Desc: Not reported
Program System Acronym: CAD008242711
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: 09-2008-2530
FRS ID: 110002630608
Action Name: Montrose Chemical AOC with JCI Jones for RI/FS
Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Facility Address: 20201 SOUTH NORMANDIE AVENUE
TORRANCE, CA 90502
Enforcement Action Type: CERCLA 122A/104A Agrmt For RI/FS
Facility County: LOS ANGELES
Program System Acronym: CERCLIS
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: 122/104
Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.84833
Longitude in Decimal Degrees: -118.2983
Permit Type Desc: Not reported
Program System Acronym: CAD008242711
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: 09-2008-2501
FRS ID: 110002630608
Action Name: Montrose Chemical - Shell Oil
Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Facility Address: 20201 SOUTH NORMANDIE AVENUE
TORRANCE, CA 90502
Enforcement Action Type: CERCLA 106 AO For Resp Action/Imm Haz
Facility County: LOS ANGELES
Program System Acronym: CERCLIS
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: 106
Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.84833
Longitude in Decimal Degrees: -118.2983
Permit Type Desc: Not reported
Program System Acronym: CAD008242711
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: 09-2008-0009
FRS ID: 110002630608
Action Name: Montrose Cemical - Kenwood
Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Facility Address: 20201 SOUTH NORMANDIE AVENUE
TORRANCE, CA 90502
Enforcement Action Type: CERCLA 106 AO For Resp Action/Imm Haz

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

Facility County: LOS ANGELES
Program System Acronym: CERCLIS
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: 106
Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.84833
Longitude in Decimal Degrees: -118.2983
Permit Type Desc: Not reported
Program System Acronym: CAD008242711
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: 09-2006-0133
FRS ID: 110002630608
Action Name: Montrose Chemical - Normandie (#2)
Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Facility Address: 20201 SOUTH NORMANDIE AVENUE
TORRANCE, CA 90502
Enforcement Action Type: CERCLA 106 AO For Resp Action/Imm Haz
Facility County: LOS ANGELES
Program System Acronym: ICIS
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: 106
Facility SIC Code: 2879
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.84833
Longitude in Decimal Degrees: -118.2983
Permit Type Desc: Not reported
Program System Acronym: 10849
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: 09-2006-0025
FRS ID: 110002630608
Action Name: Montrose Chemical - Normandie (#1)
Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Facility Address: 20201 SOUTH NORMANDIE AVENUE
TORRANCE, CA 90502
Enforcement Action Type: CERCLA 106 AO For Resp Action/Imm Haz
Facility County: LOS ANGELES
Program System Acronym: ICIS
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: 106
Facility SIC Code: 2879
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.84833
Longitude in Decimal Degrees: -118.2983
Permit Type Desc: Not reported
Program System Acronym: 10849
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: 09-2003-0114
FRS ID: 110002630608
Action Name: Montrose Chemical / Del Amo (#2)
Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

Facility Address:	20201 SOUTH NORMANDIE AVENUE TORRANCE, CA 90502
Enforcement Action Type:	CERCLA 106 AO For Resp Action/Imm Haz
Facility County:	LOS ANGELES
Program System Acronym:	ICIS
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	106
Facility SIC Code:	2879
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.84833
Longitude in Decimal Degrees:	-118.2983
Permit Type Desc:	Not reported
Program System Acronym:	10849
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported

Enforcement Action ID:	09-2003-0060
FRS ID:	110002630608
Action Name:	Montrose Chemical / Del Amo (#1)
Facility Name:	MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Facility Address:	20201 SOUTH NORMANDIE AVENUE TORRANCE, CA 90502
Enforcement Action Type:	CERCLA 106 AO For Resp Action/Imm Haz
Facility County:	LOS ANGELES
Program System Acronym:	ICIS
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	106
Facility SIC Code:	2879
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.84833
Longitude in Decimal Degrees:	-118.2983
Permit Type Desc:	Not reported
Program System Acronym:	10849
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported

Enforcement Action ID:	09-1998-0169
FRS ID:	110002630608
Action Name:	MONTROSE - CBS/POTLATCH/SIMPSON
Facility Name:	MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Facility Address:	20201 SOUTH NORMANDIE AVENUE TORRANCE, CA 90502
Enforcement Action Type:	Civil Judicial Action
Facility County:	LOS ANGELES
Program System Acronym:	ICIS
Enforcement Action Forum Desc:	Judicial
EA Type Code:	CIV
Facility SIC Code:	2879
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.84833
Longitude in Decimal Degrees:	-118.2983
Permit Type Desc:	Not reported
Program System Acronym:	10849
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported

Enforcement Action ID:	09-1997-0048

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

FRS ID:	110002630608
Action Name:	MONTROSE - LOS ANGELES COUNTY SANITATION DISTRICT
Facility Name:	MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Facility Address:	20201 SOUTH NORMANDIE AVENUE TORRANCE, CA 90502
Enforcement Action Type:	Civil Judicial Action
Facility County:	LOS ANGELES
Program System Acronym:	ICIS
Enforcement Action Forum Desc:	Judicial
EA Type Code:	CIV
Facility SIC Code:	2879
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.84833
Longitude in Decimal Degrees:	-118.2983
Permit Type Desc:	Not reported
Program System Acronym:	10849
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported

Enforcement Action ID:	09-1997-0009
FRS ID:	110002630608
Action Name:	MONTROSE - UAO
Facility Name:	MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Facility Address:	20201 SOUTH NORMANDIE AVENUE TORRANCE, CA 90502
Enforcement Action Type:	CERCLA 106 AO For Resp Action/Imm Haz
Facility County:	LOS ANGELES
Program System Acronym:	ICIS
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	106
Facility SIC Code:	2879
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.84833
Longitude in Decimal Degrees:	-118.2983
Permit Type Desc:	Not reported
Program System Acronym:	10849
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported

Enforcement Action ID:	09-1990-0012
FRS ID:	110002630608
Action Name:	MONTROSE CHEMCIAL CORPORATION OF CALIFORNIA
Facility Name:	MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Facility Address:	20201 SOUTH NORMANDIE AVENUE TORRANCE, CA 90502
Enforcement Action Type:	Civil Judicial Action
Facility County:	LOS ANGELES
Program System Acronym:	ICIS
Enforcement Action Forum Desc:	Judicial
EA Type Code:	CIV
Facility SIC Code:	2879
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.84833
Longitude in Decimal Degrees:	-118.2983
Permit Type Desc:	Not reported
Program System Acronym:	10849
Facility NAICS Code:	Not reported

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

Tribal Land Code: Not reported

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

SIC Code: Not reported

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
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Fed Facility: No
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Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
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Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
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Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
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Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
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Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
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Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
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Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
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Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
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Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2869

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2879

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 5191

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2869

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2879

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 5191

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
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Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
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Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
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Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
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MONTROSE CHEMICAL CORP. (Continued) **1000420366**

Fed Facility: No
NAIC Code: Not reported
SIC Code: 2869

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
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Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
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MONTROSE CHEMICAL CORP. (Continued) **1000420366**

NAIC Code: Not reported
SIC Code: 5191

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
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Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
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Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
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Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

SIC Code: 2879

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 5191

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2869

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2879

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 5191

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2869

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2879

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 5191

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2869

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2879

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 5191

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2869

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
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SIC Code: 2879

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
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Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
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Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
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SIC Code: 5191

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2869

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
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NAIC Code: Not reported
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Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
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Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
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Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
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Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

Fed Facility: No
NAIC Code: Not reported
SIC Code: 2879

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
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Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 5191

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Tribal Indicator: N
Fed Facility: No

MONTROSE CHEMICAL CORP. (Continued) **1000420366**

NAIC Code: Not reported
SIC Code: 2869

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Fed Facility: No
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MONTROSE CHEMICAL CORP. (Continued) **1000420366**

NAIC Code: Not reported
SIC Code: 5191

CONSENT:
EPA ID: CAD008242711
Site ID: Not reported
Case Title: Not reported
Court Num: Not reported
District: Not reported
Entered Date: Not reported
Name: US V. MONTROSE CHEMICAL CORP.
Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
City,State,Zip: TORRANCE, CA 90502
County: Not reported

FINDS:
Registry ID: 110002630608

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
California Department of Toxic Substances Control EnviroStor System (DTSC-EnviroStor) is an online search and Geographic Information System (GIS) tool for identifying sites that have known contamination or sites for which there may be reasons to investigate further. The EnviroStor database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites.
SUPERFUND NPL
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
HAZARDOUS WASTE BIENNIAL REPORTER
ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

14
West
< 1/8
0.066 mi.
349 ft.

ARCO (CARSON TERMINAL)
2149 SEPULVEDA BLVD E
CARSON, CA 90810

LUST **S101295817**
HIST CORTESE **N/A**
NON-CASE INFO

Relative:
Lower

Actual:
21 ft.

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	R-13337	
Status:	Pollution Characterization	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Groundwater	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603705191	
W Global ID:	Not reported	
Staff:	SLC	
Local Agency:	19000	
Cross Street:	Not reported	
Enforcement Type:	Not reported	
Date Leak Discovered:	6/20/1989	
Date Leak First Reported:		7/7/1989
Date Leak Record Entered:	7/26/1989	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		7/24/1992
Date the Case was Closed:		Not reported
How Leak Discovered:	Inventory Control	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	BILLINGS, PATRICK	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		7188.92901516163854641045 74193
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		3/10/1989
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	ARCO	
RP Address:	8600 S GARFIELD AVE, SOUTH GATE, CA 90280	
Program:	LUST	
Lat/Long:	33.8069106 / -1	
Local Agency Staff:	Not reported	

ARCO (CARSON TERMINAL) (Continued) **S101295817**

Beneficial Use: Not reported
Priority: LOP/LOW - MINOR OR NO POTENTIAL WATER RESOURCE IMPACT
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: TWO UNDERGROUND TANKS WERE INVESTIGATED. OLD CASE #080289-04. THIS IS A SLIC SITE BEING HANDLED BY PAUL CHO

HIST CORTESE:
edr_fname: ARCO (CARSON TERMINAL)
edr_fadd1: 2149 SEPULVEDA
City,State,Zip: CARSON, CA 90810
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: R-13337

NON-CASE INFO:
Name: TESORO LOGISTICS OPERATIONS LLC
Address: 2149 SEPULVEDA BOULEVARD
City,State,Zip: CARSON, CA 90749
Global ID: T10000016441
Case Type: Non-Case Information
Status: Informational Item / Review Complete
Status Date: 11/12/2020
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: CL
Local Agency: Not reported
RB Case Number: Not reported
Loc Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported
Begin Date: 2020-11-12 00:00:00
How Discovered: Not reported
How Discovered Description: Not reported
Stop Method: Not reported
Stop Description: Not reported
Latitude: 33.80909
Longitude: -118.23119
Geotracker: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000016441

B15 **WILMINGTON CLA & HOLD YD** **FUDS** **1007212263**
NE **N/A**
< 1/8 **LOS ANGELES, CA**
0.087 mi.
457 ft. **Site 1 of 3 in cluster B**

Relative:
Higher

Actual:
26 ft.

FUDS:
EPA Region: 09
Installation ID: CA99799F569000
Congressional District Number: 44
Name: WILMINGTON CLA & HOLD YD
FUDS Number: J09CA0730
City: LOS ANGELES
State: CA

WILMINGTON CLA & HOLD YD (Continued) **1007212263**

County:	LOS ANGELES
Object ID:	9910
USACE Division:	SPD
USACE District:	Los Angeles District (SPL)
Status:	Properties with all projects at site closeout
Current Owner:	LOCAL: CITY VETERANS ADMIIN AND CITY OF LOS ANGELES; USED FOR SULFUR STORAGE, IMPORT & EXPORT OPERATIONS, WAREHOUSES & A REFINERY
EMS Map Link:	https://fudsportal.usace.army.mil/ems/inventory/map?id=61234
Eligibility:	Eligible
Has Projects:	Yes
NPL Status:	Not reported
Project Required:	Yes
Feature Description:	The site was used by the U.S. Army asa loading and storage area for military equipment awaiting shipment. Improvements to the site, all constructed in 1943 and 1944, included three warehouses, a railroad spur, sewer and water lines. The property, formerly known as Manuel Warehouse, is currently the site of the Cal Cartage, Inc., a container and freight station that stores and distributes goods that arrive at the Port of Los Angeles from U.S. and international destinations. Goods stored and distributed at the facility include bulk cotton, copper, and other miscellaneous items. Cal Cartage occupies approximately the same area as the former Manuel Warehouse, which encompassed 85 acres. The southern boundary of Cal Cartage is Pacific Coast Highway; the northern boundary is Sepulveda Boulevard; the western Boundary is the Dominguez Channel and Union Pacific Railroad Line; and the eastern boundary is a Southern California Edison electrical tower transmission easement. Although Cal Cartage leases the Edison easement for storage, this easement is not part of the Wilmington Classification and Hold Yard or Manuel Warehouse site. There are three 200,000 square foot former DoD warehouses being beneficially used by Cal Cartage. These warehouses currently numbered 13, 16, and 17 (formerly numbers 1, 2, and 3 respectively) were constructed in 1943 for the DoD. The LA Ordnance Depot occupied warehouse No. 17. The warehouses are surrounded by roadways, rail lines, and other miscellaneous facilities associated with importing and exporting of goods from the port. Some of the rail lines, constructed for DoD use, are being beneficially used. Large portions of the property are occupied by stored freight containers.
Latitude:	33.8125
Longitude:	-118.225

FUDS Detail as of Jan 2015:

Fiscal Year:	2013
Federal Facility ID:	CA9799F5690
RAB:	Not reported
NPL Status:	Not Listed
Description:	The site consisted of 274.57 acres, located 2401 E. Pacific Coast Highway in Wilmington, California. The property composing the Wilmington Class and Hold Yard was acquired by the U.S. Army during 1943 and 1944. Records indicate that 272.23 acres were leased from the City of Los Angeles (W2972-eng-755 and W04- 193-eng-4356). Approximately 1.55 acres were leased from the Watson Land Company (W04-193-eng2652). Approximately 0.65 acres were acquired by permit and 0.142 acres were acquired by license from various private and public parties. Thus, a total of 274.57 acres were acquired by the Army for the Wilmington Class and Hold Yard. In the months of May and June 1946, 201.57 and 73 acres, respectively, of the Class and Hold Yard were declared surplus. On 1 July 1946 the land was transferred to

WILMINGTON CLA & HOLD YD (Continued) **1007212263**

the Veterans Administration. The City of Los Angeles currently owns 272.23 acres of the former Wilmington Class and Hold Yard. The property is currently being beneficially used for many purposes. Business located on the property include shipping container platforms for loading and unloading container onto railroad cars (Intermodal Container and Transportation Facility), sulfur storage (California Sulfur Company), import and export operations (Import Dealers Service Corporation), warehouses (Port of Los Angeles, California Cartage Company, Inc.) and a refinery (Texaco).

History: The site was used by the U.S. Army asa loading and storage area for military equipment awaiting shipment. Improvements to the site, all constructed in 1943 and 1944, included three warehouses, a railroad spur, sewer and water lines. The property, formerly known as Manuel Warehouse, is currently the site of the Cal Cartage, Inc., a container and freight station that stores and distributes goods that arrive at the Port of Los Angeles from U.S. and international destinations. Goods stored and distributed at the facility include bulk cotton, copper, and other miscellaneous items. Cal Cartage occupies approximately the same area as the former Manuel Warehouse, which encompassed 85 acres. The southern boundary of Cal Cartage is Pacific Coast Highway; the northern boundary is Sepulveda Boulevard; the western Boundary is the Dominguez Channel and Union Pacific Railroad Line; and the eastern boundary is a Southern California Edison electrical tower transmission easement. Although Cal Cartage leases the Edison easement for storage, this easement is not part of the Wilmington Classification and Hold Yard or Manuel Warehouse site. There are three 200,000 square foot former DoD warehouses being beneficially used by Cal Cartage. These warehouses currently numbered 13, 16, and 17 (formerly numbers 1, 2, and 3 respectively) were constructed in 1943 for the DoD. The LA Ordnance Depot occupied warehouse No. 17. The warehouses are surrounded by roadways, rail lines, and other miscellaneous facilities associated with importing and exporting of goods from the port. Some of the rail lines, constructed for DoD use, are being beneficially used. Large portions of the property are occupied by stored freight containers.

CTC: 163
Current Program: Not reported
Future Program: Not reported
Institutional ID: 61234

B16 **WILMINGTON CLASS&YARD OE** **UXO** **1024714842**
NE **N/A**
< 1/8 **LOS ANGELES, CA**
0.087 mi.
457 ft. **Site 2 of 3 in cluster B**

Relative: **Higher**

Actual: **26 ft.**

UXO:
DoD Component: FUDS
Installation Name: WILMINGTON CLA & HOLD YD
Name: WILMINGTON CLASS&YARD OE
Address: Not reported
Address 2: Not reported
City,State,Zip: LOS ANGELES, CA
Site ID: 02OEW
Site Type: Unexploded Munitions and Ordnance Area
Latitude: 33.812500
Longitude: -118.225000

B17 **WILMINGTON CLASS & HOLD YD** **ENVIROSTOR** **S107737624**
NE **N/A**
< 1/8 **LOS ANGELES, CA**
0.087 mi.
457 ft. **Site 3 of 3 in cluster B**

Relative:
Higher

Actual:
26 ft.

ENVIROSTOR:

Name:	WILMINGTON CLASS & HOLD YD
Address:	Not reported
City,State,Zip:	LOS ANGELES, CA
Facility ID:	80000531
Status:	Inactive - Needs Evaluation
Status Date:	07/01/2005
Site Code:	Not reported
Site Type:	Military Evaluation
Site Type Detailed:	FUDS
Acres:	275
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Douglas Bautista
Division Branch:	Cleanup Cypress
Assembly:	64
Senate:	35
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	DERA
Latitude:	33.8125
Longitude:	-118.225
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	WILMINGTON CLASS & HOLD YARD
Alias Type:	Alternate Name
Alias Name:	CA99799F569000
Alias Type:	Federal Facility ID
Alias Name:	J09CA0730
Alias Type:	INPR
Alias Name:	80000531
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Inventory Project Report (INPR)
Completed Date:	09/30/1999
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported

WILMINGTON CLASS & HOLD YD (Continued) **S107737624**

Schedule Revised Date: Not reported

18
East
< 1/8
0.097 mi.
511 ft.

DANIEL PASCUAL
2147 W CANTON ST
LONG BEACH, CA 90810

RCRA NonGen / NLR **1026161694** **CAC003061677**

Relative:
Higher

Actual:
23 ft.

RCRA Listings:

Date Form Received by Agency:	20200330
Handler Name:	Daniel Pascual
Handler Address:	2147 W CANTON ST
Handler City,State,Zip:	LONG BEACH, CA 90810-2939
EPA ID:	CAC003061677
Contact Name:	DANIEL PASCUAL
Contact Address:	24817 BAYPOINT AVE
Contact City,State,Zip:	WILMINGTON, CA 90744-1107
Contact Telephone:	310-619-4271
Contact Fax:	Not reported
Contact Email:	NANCYRUIZ@ALLIANCE-ENVIRO.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	24817 BAYPOINT AVE
Mailing City,State,Zip:	WILMINGTON, CA 90744-1107
Owner Name:	Daniel Pascual
Owner Type:	Other
Operator Name:	Daniel Pascual
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No

DANIEL PASCUAL (Continued) **1026161694**

Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200408
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: DANIEL PASCUAL	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	24817 BAYPOINT AVE
Owner/Operator City,State,Zip:	WILMINGTON, CA 90744-1107
Owner/Operator Telephone:	310-619-4271
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: DANIEL PASCUAL	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	24817 BAYPOINT AVE
Owner/Operator City,State,Zip:	WILMINGTON, CA 90744-1107
Owner/Operator Telephone:	310-619-4271
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20200330
Handler Name: DANIEL PASCUAL	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes

DANIEL PASCUAL (Continued) **1026161694**

Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

19
NNE
1/8-1/4
0.137 mi.
722 ft.

CHRISTINA JIMENEZ
2400 W LINCOLN ST
LONG BEACH, CA 90810

RCRA NonGen / NLR **1026707944**
CAC003095935

Relative:
Higher

Actual:
23 ft.

RCRA Listings:

Date Form Received by Agency:	20201204
Handler Name:	Christina Jimenez
Handler Address:	2400 W LINCOLN ST
Handler City,State,Zip:	LONG BEACH, CA 90810
EPA ID:	CAC003095935
Contact Name:	CHRISTINA JIMENEZ
Contact Address:	2400 W LINCOLN ST
Contact City,State,Zip:	LONG BEACH, CA 90810
Contact Telephone:	562-519-8387
Contact Fax:	Not reported
Contact Email:	KURISTEENA_JAYMENEZ@YAHOO.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	2400 W LINCOLN ST
Mailing City,State,Zip:	LONG BEACH, CA 90810
Owner Name:	Christina Jimenez
Owner Type:	Other
Operator Name:	Christina Jimenez
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No

CHRISTINA JIMENEZ (Continued) **1026707944**

Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20201218
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: CHRISTINA JIMENEZ	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2400 W LINCOLN ST
Owner/Operator City,State,Zip:	LONG BEACH, CA 90810
Owner/Operator Telephone:	562-519-8387
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: CHRISTINA JIMENEZ	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2400 W LINCOLN ST
Owner/Operator City,State,Zip:	LONG BEACH, CA 90810
Owner/Operator Telephone:	562-519-8387
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported

CHRISTINA JIMENEZ (Continued) **1026707944**

Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20201204
Handler Name: CHRISTINA JIMENEZ
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

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20 WNW 1/8-1/4 0.158 mi. 832 ft. **AIR PRODUCTS & CHEMICALS INCORPORATED** **PFAS ECHO** **1027322541**
33.812778/-118.231389 **N/A**
LONG BEACH, CA

Relative: Higher
Actual: 23 ft.

PFAS ECHO:
Name: AIR PRODUCTS & CHEMICALS INCORPORATED
Address: 33.812778/-118.231389
City,State,Zip: LONG BEACH, CA
Latitude: 33.812778
Longitude: -118.231389
Count: -1
County: LOS ANGELES
Status: Active
Region: 09
Industry: Industrial Gas
ECHO Facility Report: https://echo.epa.gov/detailed-facility-report?fid=110002305443
Facility Percent Minority: 90.637
Facility Derived Tribes: Not reported
Facility Population: 6701.17
EJSCREEN Flag US: N
EJSCREEN Report: https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-118.231389,%22y%22:33.812778,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&unit=9035&areatype=&areaid=&basemap=streets&distance=1
EPA Programs: CAA; CWA; RCRA
Federal Facility: No
Federal Agency: Not reported

AIR PRODUCTS & CHEMICALS INCORPORATED (Continued) **1027322541**

Facility FIPS Code:	06037
Facility Indian Country Flag:	N
Facility Collection Method:	INTERPOLATION-PHOTO
Facility Derived HUC:	18070104
Facility Derived WBD:	Not reported
Facility Derived CD113:	44
Facility Derived CB2010:	060379800021062
Facility Major Flag:	Y
Facility Active Flag:	Y
Facility Inspection Count:	6
Facility Date Last Inspection:	8/21/2020
Facility Days Last Inspection:	498
Facility Informal Count:	0
Facility Date Last Informal Action:	1/24/2013
Facility Formal Action Count:	0
Facility Date Last Formal Action:	9/26/2013
Facility Total Penalties:	0
Facility Penalty Count:	Not reported
Facility Date Last Penalty:	10/5/2004
Facility Last Penalty AMT:	3,500
Facility QTRS With NC:	12
Facility Programs With SNC:	0
Facility Compliance Status:	Violation Identified
Facility SNC Flag:	N
AIR Flag:	Y
NPDES Flag:	Y
SDWIS Flag:	N
RCRA Flag:	Y
TRI Flag:	Y
GHG Flag:	Y
AIR IDS:	CASCA00006037CJ656
CAA Permit Types:	Major Emissions
CAA NAICS:	334513
CAA SICS:	3823
NPDES IDS:	CAZ190947
CWA Permit Types:	Minor
CWA NAICS:	Not reported
CWA SICS:	2813
RCRA IDS:	CAR000056135 CAT080010655
RCRA Permit Types:	LQG, SQG
RCRA NAICS:	32512
SDWA IDS:	Not reported
SDWA System Types:	Not reported
SDWA Compliance Status:	Not reported
SDWA SNC Flag:	N
TRI IDS:	90810RPRDS23300
TRI Releases Transfers:	81545
TRI On Site Releases:	12,166
TRI Off Site Transfers:	69,379
TRI Reporter:	Y
Facility IMP Water Flag:	Y

21
SSE
1/8-1/4
0.177 mi.
936 ft.

TED HAMMETT
E OF ALAMEDA N OF SEPULVEDA
CARSON, CA 90744

SEMS-ARCHIVE

1003878477
CAD980636450

Relative:
Higher

Actual:
23 ft.

SEMS Archive:

Site ID:	0901812
EPA ID:	CAD980636450
Name:	TED HAMMETT
Address:	E OF ALAMEDA N OF SEPULVEDA
Address 2:	Not reported
City,State,Zip:	CARSON, CA 90744
Cong District:	32
FIPS Code:	06037
FF:	N
NPL:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region:	09
Site ID:	0901812
EPA ID:	CAD980636450
Site Name:	TED HAMMETT
NPL:	N
FF:	N
OU:	00
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	1990-03-27 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	09
Site ID:	0901812
EPA ID:	CAD980636450
Site Name:	TED HAMMETT
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	Not reported
Finish Date:	1990-03-27 05:00:00
Qual:	N
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0901812
EPA ID:	CAD980636450
Site Name:	TED HAMMETT
NPL:	N
FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1

TED HAMMETT (Continued) **1003878477**

Start Date:	1981-06-01 04:00:00
Finish Date:	1981-06-01 04:00:00
Qual:	Not reported
Current Action Lead:	St Perf
Region:	09
Site ID:	0901812
EPA ID:	CAD980636450
Site Name:	TED HAMMETT
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	2
Start Date:	1986-05-01 04:00:00
Finish Date:	1987-07-01 04:00:00
Qual:	L
Current Action Lead:	St Perf

C22 **AST** **A100344785**
WNW **23300 S ALAMEDA ST** **N/A**
1/8-1/4 **CARSON, CA**
0.202 mi.
1067 ft. **Site 1 of 4 in cluster C**

Relative: **Lower**

Actual: **22 ft.**

AST:

Name:	Not reported
Address:	23300 S ALAMEDA ST
City/Zip:	CARSON,
Certified Unified Program Agencies:	Los Angeles County
Owner:	AIR PRODUCTS CARSON HYDROGEN
Total Gallons:	3702
CERSID:	Not reported
Facility ID:	Not reported
Business Name:	Not reported
Phone:	Not reported
Fax:	Not reported
Mailing Address:	Not reported
Mailing Address City:	Not reported
Mailing Address State:	Not reported
Mailing Address Zip Code:	Not reported
Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	Not reported
Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Country:	Not reported
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Not reported

C23 **AIR PRODUCTS & CHEMICALS INCORPORATED** **CERS HAZ WASTE** **S112897061**
WNW **23300 SOUTH ALAMEDA STREET** **CERS TANKS** **N/A**
1/8-1/4 **CARSON, CA 90810** **HAZNET**
0.202 mi. **CERS**
1067 ft. **Site 2 of 4 in cluster C** **HWTS**

Relative:
Lower

Actual:
22 ft.

CERS HAZ WASTE:

Name:	AIR PRODUCTS AND CHEMICALS, INC. - CARSON
Address:	23300 SOUTH ALAMEDA STREET
City,State,Zip:	CARSON, CA 90810
Site ID:	384362
CERS ID:	10155423
CERS Description:	Hazardous Waste Generator

Name:	AIR PRODUCTS AND CHEMICALS, INC. - CARSON
Address:	23300 SOUTH ALAMEDA STREET
City,State,Zip:	CARSON, CA 90810
Site ID:	384362
CERS ID:	10155423
CERS Description:	Hazardous Chemical Management

Name:	AIR PRODUCTS AND CHEMICALS, INC. - CARSON
Address:	23300 SOUTH ALAMEDA STREET
City,State,Zip:	CARSON, CA 90810
Site ID:	384362
CERS ID:	10155423
CERS Description:	RCRA LQ HW Generator

CERS TANKS:

Name:	AIR PRODUCTS AND CHEMICALS, INC. - CARSON
Address:	23300 SOUTH ALAMEDA STREET
City,State,Zip:	CARSON, CA 90810
Site ID:	384362
CERS ID:	10155423
CERS Description:	Aboveground Petroleum Storage

HAZNET:

Name:	AIR PRODUCTS AND CHEMICAL INC
Address:	23300 S ALAMEDA ST
Address 2:	Not reported
City,State,Zip:	CARSON, CA 908100000
Contact:	KENT KISENBAUER-ENV ENGIN
Telephone:	6104816463
Mailing Name:	Not reported
Mailing Address:	7201 HAMILTON BLVD

Year:	1998
Gepaid:	CAC002102136
TSD EPA ID:	AZC950823111
CA Waste Code:	611 - Contaminated soil from site clean-up
Disposal Method:	-
Tons:	1761.697

Additional Info:

Year:	1998
Gen EPA ID:	CAC002102136

AIR PRODUCTS & CHEMICALS INCORPORATED (Continued) **S112897061**

Shipment Date:	19980922
Creation Date:	11/5/1998 0:00:00
Receipt Date:	19980922
Manifest ID:	98112852
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC950823111
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	19.31
Waste Quantity:	38620
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19980922
Creation Date:	11/5/1998 0:00:00
Receipt Date:	19980922
Manifest ID:	98112853
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC950823111
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	22.88
Waste Quantity:	45760
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19980922
Creation Date:	11/5/1998 0:00:00
Receipt Date:	19980922
Manifest ID:	98112851
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC950823111

AIR PRODUCTS & CHEMICALS INCORPORATED (Continued) **S112897061**

Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	24.03
Waste Quantity:	48060
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980921
Creation Date:	11/5/1998 0:00:00
Receipt Date:	19980921
Manifest ID:	98112857
Trans EPA ID:	CAD076073550
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC950823111
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	22.91
Waste Quantity:	45820
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980921
Creation Date:	11/5/1998 0:00:00
Receipt Date:	19980922
Manifest ID:	98112850
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC950823111
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	24.19
Waste Quantity:	48380
Quantity Unit:	P

AIR PRODUCTS & CHEMICALS INCORPORATED (Continued) **S112897061**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980921
Creation Date:	11/5/1998 0:00:00
Receipt Date:	19980922
Manifest ID:	98112849
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC950823111
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	23.88
Waste Quantity:	47760
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980921
Creation Date:	11/5/1998 0:00:00
Receipt Date:	19980922
Manifest ID:	98112848
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC950823111
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	21.27
Waste Quantity:	42540
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980921
Creation Date:	11/5/1998 0:00:00
Receipt Date:	19980922

AIR PRODUCTS & CHEMICALS INCORPORATED (Continued) **S112897061**

Manifest ID:	98112847
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC950823111
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	22.29
Waste Quantity:	44580
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19980921
Creation Date:	11/5/1998 0:00:00
Receipt Date:	19980922
Manifest ID:	98112846
Trans EPA ID:	Not reported
Trans Name:	Not reported
Trans 2 EPA ID:	CAD981634116
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC950823111
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	2.227
Waste Quantity:	4454
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19980921
Creation Date:	11/5/1998 0:00:00
Receipt Date:	19980921
Manifest ID:	98112845
Trans EPA ID:	CAD076073550
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC950823111
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

AIR PRODUCTS & CHEMICALS INCORPORATED (Continued) **S112897061**

Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	24.2
Waste Quantity:	48400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CERS:

Name:	AIR PRODUCTS AND CHEMICALS, INC. - CARSON
Address:	23300 SOUTH ALAMEDA STREET
City,State,Zip:	CARSON, CA 90810
Site ID:	384362
CERS ID:	10155423
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	384362
Site Name:	Air Products and Chemicals, Inc. - Carson
Violation Date:	09-06-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 10/05/2017. Log onto the California Environmental Reporting System (CERS) web site to correct the deficiencies in the HAZARDOUS MATERIALS INVENTORY section. Observed the following corrections required; 1. Hydrogen and flammable mixtures containing hydrogen and methane need to be reported in pounds, 2. Ensure all reportable hazardous materials are properly reported; the inventories for propane and argon are under reported; 3. Ensure the Hazardous Components sections are completed for all entries; these sections are left blank for several hazardous materials including the entries for the hydrogen and various compressed gases. Operator failed to properly report hazardous materials to the California Environmental Reporting System (CERS).
Violation Division:	Los Angeles County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	384362
Site Name:	Air Products and Chemicals, Inc. - Carson
Violation Date:	10-21-2021
Citation:	19 CCR 4.5 2760.1(d)(1) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2760.1(d)(1)
Violation Description:	Failure to compile written process safety information pertaining to the equipment in the process that includes the following: 1. Materials of construction; 2. Piping and instrument diagrams (P&IDs); 3. Electrical classification; 4. Relief system design and design basis; 5. Ventilation system design; 6. Design codes and standards employed; 7. Material and energy balances for processes built after June 21, 1999; 8. Safety systems (e.g., interlocks, detection, or suppression

AIR PRODUCTS & CHEMICALS INCORPORATED (Continued) **S112897061**

	systems).
Violation Notes:	OBSERVATION: The owner/operator failed to compile written process safety information pertaining to the equipment in the process that includes: material and energy balances for processes built after June 21, 1999; safety systems (e.g., interlocks, detection, or suppression systems). Operator stated the KMI binders included all the required elements for the PSI information; however, the information was not able to review at the time of inspection. At minimum, the process safety information should indicate the binder number, sections of the binder and the page numbers and page numbers of each of the elements of the section is located. CORRECTIVE ACTION: Compile written process safety information pertaining to the equipment in the process that includes: materials of construction; piping and instrument diagrams (P&IDs); electrical classification; relief system design and design basis; ventilation system design; design codes and standards employed; material and energy [Truncated]
Violation Division:	Los Angeles County Fire Department
Violation Program:	CalARP
Violation Source:	CERS,
Site ID:	384362
Site Name:	Air Products and Chemicals, Inc. - Carson
Violation Date:	10-21-2021
Citation:	19 CCR 4.5 2760.8(c) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2760.8(c)
Violation Description:	Failure to develop and have available for review, a report of the scope, methods used, results and findings of the audit.
Violation Notes:	OBSERVATION: The owner/operator failed to develop and have available for review, a report of the scope, methods used, results and findings of the audit. The compliance audit report did not include a report of the scope, methods used, results and findings of the audit. The report should include the above mentioned items . This report, including results, shall be available for UPA review. The owner/operator failed to make available for review, the audit report, scope and the method used, and the results and finding for each section audited during the audit process. The 2016 and 2019 compliance audit certification page and the recommendation pages were available for review; however, the scope and method used (checklist, questionnaire, etc.) and a complete report for the audit were not available for review upon request. CORRECTIVE ACTION: Maintain supporting documentations and provide a copy of the complete audit report that include the scope, methods used, and results [Truncated]
Violation Division:	Los Angeles County Fire Department
Violation Program:	CalARP
Violation Source:	CERS,
Site ID:	384362
Site Name:	Air Products and Chemicals, Inc. - Carson
Violation Date:	09-25-2017
Citation:	22 CCR 15 66265.192(a) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.192(a)
Violation Description:	Failure to obtain and maintain a written assessment reviewed and certified by an independent, qualified, professional engineer prior to placing the tank system in service. The written assessment shall state that, the new hazardous waste tank system has sufficient structural integrity, is acceptable for the transferring, storing and treating of hazardous waste, and that the tanks and containment system including

AIR PRODUCTS & CHEMICALS INCORPORATED (Continued) **S112897061**

	the foundation, structural support, seams, connections, and pressure controls (if applicable) are suitably designed to meet the regulation.
Violation Notes:	Returned to compliance on 10/05/2017.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	384362
Site Name:	Air Products and Chemicals, Inc. - Carson
Violation Date:	10-21-2021
Citation:	19 CCR 4.5 2760.1(c) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2760.1(c)
Violation Description:	Failure to compile written process safety information concerning the technology of the process that includes the following: 1. A block flow diagram or simplified process flow diagram; 2. Process chemistry; 3. Maximum intended inventory; 4. Safe upper and lower limits for such items as temperatures, pressures, flows or compositions; 5. An evaluation of the consequences of deviations.
Violation Notes:	OBSERVATION: The owner/operator failed to compile written process safety information concerning the technology of the process that includes: safe upper and lower limits for such items as temperatures, pressures, flows or compositions; an evaluation of the consequences of deviations. Operator stated the KMI binders included all the required elements for the PSI information; however, the information was not able to review at the time of inspection. At minimum, the process safety information section should include the binder number, sections and the page numbers of the binder where details of each of the elements is located. CORRECTIVE ACTION: Revise and update written process safety information concerning the technology of the process to include safe upper and lower limits for such items as temperatures, pressures, flows or compositions; an evaluation of the consequences of deviations and submit a copy to the CUPA.
Violation Division:	Los Angeles County Fire Department
Violation Program:	CalARP
Violation Source:	CERS,
Site ID:	384362
Site Name:	Air Products and Chemicals, Inc. - Carson
Violation Date:	09-06-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 10/05/2017. Revise and resubmit the site map to clearly show all the required components; north orientation, loading areas, internal roads, adjacent streets, storm and sewer drains, access and exit points, emergency shutoffs, evacuation staging areas, hazardous material handling and storage areas, emergency response equipment. The map currently submitted to the California Environmental Reporting System (CERS) does not clearly show the locations of the required components such as the locations of the emergency response equipment and the legends are not legible. Owner/operator failed to provide site map that clearly shows all the required information.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,

AIR PRODUCTS & CHEMICALS INCORPORATED (Continued) **S112897061**

Site ID:	384362
Site Name:	Air Products and Chemicals, Inc. - Carson
Violation Date:	09-06-2017
Citation:	19 CCR 4.5 2750.1 - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2750.1
Violation Description:	Failure to comply with Sections 2750.2 through 2750.9
Violation Notes:	Returned to compliance on 10/05/2017. Revise Offsite Consequence Analysis (OCA) narratives to correspond to the data entered into the RMP Comp software. The data for the OCA section on the Risk Management Plan (RMP) is inconsistent with the data entered into the RMP Comp software. For example, the narrative stated that 447 lbs of ammonia is assumed to be released over a 2 minute period for the toxic alternative release scenario but the data on RMP Comp show a 200 gal release over a 10 minute period. Another example, the narrative stated that 6,800 lbs of flammable substance is assumed to be released for the flammable worst case release scenario but the data on RMP Comp show 947 lbs and 641 lbs to be released for hydrogen and methane, respectively. Owner/operator failed to ensure the proper and consistent parameters are used for the OCA.
Violation Division:	Los Angeles County Fire Department
Violation Program:	CalARP
Violation Source:	CERS,

Site ID:	384362
Site Name:	Air Products and Chemicals, Inc. - Carson
Violation Date:	09-06-2017
Citation:	19 CCR 4.5 2745.10(b) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2745.10(b)
Violation Description:	Failure to revise, update, and submit the Risk Management Plan to the United States Environmental Protection Agency and the Administering Agency as follows: 1. At least once every five years from the date of its initial submission or most recent update required by section 2745.10(a)(2) through (7); 2. No later than three years after a newly regulated substance is first listed by the United States Environmental Protection Agency; 3. No later than the date on which on which a new regulated substance is first present in an already covered process above a threshold quantity; 4. No later than the date on which a regulated substance is first present above a threshold quantity in a new process; 5. Within six months of a change that requires a revised process hazard analysis or hazard review. 6. Within six months of a change that requires a revised offsite consequence analysis as provided in section 2750.7; 7. Within six months of a change that alters the program level that applied to any covered process.
Violation Notes:	Returned to compliance on 10/05/2017. Ensure RMP updates that are submitted to the US EPA are also submitted to the LA County Fire Department/Administering Agency. Update in the Offsite Consequence Analysis was submitted to the US EPA in April 2017 but was not submitted to the LA County Fire Department. Owner/operator failed to submit RMP update to the local Administering Agency.
Violation Division:	Los Angeles County Fire Department
Violation Program:	CalARP
Violation Source:	CERS,

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-05-2021
Violations Found:	No

AIR PRODUCTS & CHEMICALS INCORPORATED (Continued) **S112897061**

Eval Type: Routine done by local agency
Eval Notes: Gustavo Bahena, Operator Jose Guerrero, Maintenance Tech Ramsey Haddad, Principal Environmental Engineer
Eval Division: Los Angeles County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-05-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Gustavo Bahena, Operator Jose Guerrero, Maintenance Tech Ramsey Haddad, Principal Environmental Engineer
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-02-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: INSPECTED BY M. ORDONEZ CONSENT GIVEN BY MATT PITCHER
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-06-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Roger Han
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-25-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Patrick Anstine, Site Supervisor.
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-21-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Roger Han, Plant Manager
Eval Division: Los Angeles County Fire Department
Eval Program: CalARP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-02-2013
Violations Found: No
Eval Type: Routine done by local agency

AIR PRODUCTS & CHEMICALS INCORPORATED (Continued) **S112897061**

Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-02-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: INSPECTED BY M. ORDONEZ CONSENT GIVEN BY MATT PITCHER
Eval Division: Los Angeles County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-02-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: INSPECTED BY M. ORDONEZ CONSENT GIVEN BY MATT PITCHER
Eval Division: Los Angeles County Fire Department
Eval Program: CalARP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-06-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Roger Han
Eval Division: Los Angeles County Fire Department
Eval Program: CalARP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-03-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-05-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: CalARP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-21-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Roger Han, Plant Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP

AIR PRODUCTS & CHEMICALS INCORPORATED (Continued) **S112897061**

Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 11-18-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: The CalARP violations were abated. File.
Eval Division: Los Angeles County Fire Department
Eval Program: CalARP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-25-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: CalARP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-25-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Patrick Anstine, Site Supervisor. No significant violations observed at the time of inspection.
Eval Division: Los Angeles County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-13-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: CalARP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-02-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: INSPECTED BY M. ORDONEZ CONSENT GIVEN BY MATT PITCHER
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 09-29-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: CalARP
Eval Source: CERS,

AIR PRODUCTS & CHEMICALS INCORPORATED (Continued) **S112897061**

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	Los Angeles County Fire
Entity Title:	Not reported
Affiliation Address:	5825 Rickenbacker Road
Affiliation City:	Commerce
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90040-3027
Affiliation Phone:	(323) 890-4000,

Affiliation Type Desc:	Operator
Entity Name:	Air Products & Chemicals, Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(310) 847-7300,

Affiliation Type Desc:	Environmental Contact
Entity Name:	Ramsey Haddad
Entity Title:	Not reported
Affiliation Address:	23300 South Alameda Street
Affiliation City:	Carson
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90810
Affiliation Phone:	,

Affiliation Type Desc:	Identification Signer
Entity Name:	Ramsey Haddad
Entity Title:	Pr. Environmental Engineer
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Legal Owner
Entity Name:	Air Products & Chemicals, Inc.
Entity Title:	Not reported
Affiliation Address:	7201 Hamilton Boulevard
Affiliation City:	Allentown
Affiliation State:	PA
Affiliation Country:	United States
Affiliation Zip:	18195
Affiliation Phone:	(610) 481-4911,

Affiliation Type Desc:	Document Preparer
Entity Name:	Ramsey Haddad
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported

AIR PRODUCTS & CHEMICALS INCORPORATED (Continued) **S112897061**

Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 23300 South Alameda Street
Affiliation City: Carson
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90810
Affiliation Phone: ,

Affiliation Type Desc: Parent Corporation
Entity Name: Air Products and Chemicals, Inc.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Name: AIR PRODUCTS & CHEMICALS INCORPORATED
Address: 23300 SOUTH ALAMEDA STREET
City,State,Zip: CARSON, CA 90810-1921
Site ID: 450034
CERS ID: 110002305443
CERS Description: US EPA Air Emission Inventory System (EIS)

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: CHRISTOPHER M MC WILLIAMS
Entity Title: AREA PLANT MANAGER
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: JIM C REEBEL
Entity Title: SR. ENVI ENG
Affiliation Address: 23300 S ALAMEDA STREET
Affiliation City: CARSON
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: JIM REEBEL
Entity Title: ENVIRONMENTAL CONTACT
Affiliation Address: 23300 SOUTH ALAMEDA STREET
Affiliation City: CARSON

AIR PRODUCTS & CHEMICALS INCORPORATED (Continued) **S112897061**

Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Facility Owner
Entity Name:	AIR PROD AND CHEM
Entity Title:	OWNER
Affiliation Address:	7201 HAMILTON BOULEVARD
Affiliation City:	ALLENTOWN
Affiliation State:	PA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	AIR PROD AND CHEM
Entity Title:	OPERATOR
Affiliation Address:	23300 SOUTH ALAMEDA STREET
Affiliation City:	CARSON
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	MATT PITCHER
Entity Title:	SITE SUPERVISOR
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Chris McWilliams
Entity Title:	Plant Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Public Contact
Entity Name:	CHRIS MCWILLIAMS
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Name:	AIR PRODUCTS & CHEMICALS INC.

AIR PRODUCTS & CHEMICALS INCORPORATED (Continued) **S112897061**

Address: 23300 S ALAMEDA ST
City,State,Zip: CARSON, CA 90810
Site ID: 90248
CERS ID: 90810RPRDS23300
CERS Description: Toxic Release Inventory

Affiliation:
Affiliation Type Desc: Parent Company
Entity Name: Air Products & Chemicals Inc
Entity Title: Not reported
Affiliation Address: 23300 S ALAMEDA ST
Affiliation City: CARSON
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90810
Affiliation Phone: ,

Affiliation Type Desc: Public Contact
Entity Name: ROGER HAN
Entity Title: Not reported
Affiliation Address: 23300 S ALAMEDA ST
Affiliation City: CARSON
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90810
Affiliation Phone: 3109529172,

Affiliation Type Desc: Company Official
Entity Name: Roger Han
Entity Title: Plant Manager
Affiliation Address: 23300 S ALAMEDA ST
Affiliation City: CARSON
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90810
Affiliation Phone: ,

Affiliation Type Desc: Technical Contact
Entity Name: Ramsey Haddad
Entity Title: Not reported
Affiliation Address: 23300 S ALAMEDA ST
Affiliation City: CARSON
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90810
Affiliation Phone: 9515392277,

HWTS:
Name: AIR PRODUCTS AND CHEMICAL INC
Address: 23300 S ALAMEDA ST
Address 2: Not reported
City,State,Zip: CARSON, CA 90810
EPA ID: CAC002102136
Inactive Date: 12/31/1899
Create Date: 09/15/1998
Last Act Date: Not reported

AIR PRODUCTS & CHEMICALS INCORPORATED (Continued) **S112897061**

Mailing Name:	Not reported
Mailing Address:	7201 HAMILTON BLVD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	ALLENTOWN, PA 181951501
Owner Name:	AIR PRODUCTS AND CHEMICAL INC
Owner Address:	7201 HAMILTON BLVD
Owner Address 2:	Not reported
Owner City,State,Zip:	ALLENTOWN, PA 181951501
Contact Name:	KENT KISENBAUER-ENV ENGIN
Contact Address:	7201 HAMILTON BLVD
Contact Address 2:	Not reported
City,State,Zip:	ALLENTOWN, PA 181951501
Facility Status:	Inactive
Facility Type:	TEMPORARY
Category:	STATE
Latitude:	33.805815
Longitude:	-118.235469

C24 **AIR PRODUCTS AND CHEMICALS, INC.** **RCRA-LQG** **1001492874**
WNW **23300 S. ALAMEDA STREET** **CAR000056135**
1/8-1/4 **CARSON, CA 90810**
0.202 mi.
1067 ft. **Site 3 of 4 in cluster C**

Relative: **Lower**

Actual: **22 ft.**

RCRA Listings:

Date Form Received by Agency:	20220224
Handler Name:	Air Products And Chemicals, Inc.
Handler Address:	23300 S. ALAMEDA STREET
Handler City,State,Zip:	CARSON, CA 90810
EPA ID:	CAR000056135
Contact Name:	RAMSEY S HADDAD
Contact Address:	S. ALAMEDA STREET
Contact City,State,Zip:	CARSON, CA 90810
Contact Telephone:	951-539-2277
Contact Fax:	310-847-7311
Contact Email:	HADDADRS@AIRPRODUCTS.COM
Contact Title:	PR. ENVI ENG
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	2021
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	S. ALAMEDA STREET
Mailing City,State,Zip:	CARSON, CA 90810
Owner Name:	Air Products And Chemicals, Inc.
Owner Type:	Private
Operator Name:	Air Products And Chemicals, Inc.
Operator Type:	Private
Short-Term Generator Activity:	Yes
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No

AIR PRODUCTS AND CHEMICALS, INC. (Continued) **1001492874**

Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20220629
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2021

Click Here for Biennial Reporting System Data:
Year: 2011

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D001
Waste Description: IGNITABLE WASTE

Waste Code: D002
Waste Description: CORROSIVE WASTE

Waste Code: D007
Waste Description: CHROMIUM

Waste Code: D008
Waste Description: LEAD

AIR PRODUCTS AND CHEMICALS, INC. (Continued) **1001492874**

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: AIR PRODUCTS AND CHEMICALS, INC.	
Legal Status:	Private
Date Became Current:	19991101
Date Ended Current:	Not reported
Owner/Operator Address:	7201 HAMILTON BOULEVARD
Owner/Operator City,State,Zip:	ALLENTOWN, PA 18195
Owner/Operator Telephone:	610-481-4911
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: AIR PRODUCTS AND CHEMICALS, INC.	
Legal Status:	Private
Date Became Current:	19991101
Date Ended Current:	Not reported
Owner/Operator Address:	7201 HAMILTON BOULEVARD
Owner/Operator City,State,Zip:	ALLENTOWN, PA 18195
Owner/Operator Telephone:	610-481-4911
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: AIR PRODUCTS AND CHEMICALS, INC.	
Legal Status:	Private
Date Became Current:	19991101
Date Ended Current:	Not reported
Owner/Operator Address:	1940 AIR PRODUCTS BLVD.
Owner/Operator City,State,Zip:	ALLENTOWN, PA 18106-5500
Owner/Operator Telephone:	951-539-2277
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	HADDADRS@AIRPRODUCTS.COM

Owner/Operator Indicator:	Operator
Owner/Operator Name: AIR PRODUCTS AND CHEMICALS, INC.	
Legal Status:	Private
Date Became Current:	19991101
Date Ended Current:	Not reported
Owner/Operator Address:	1940 AIR PRODUCTS BLVD
Owner/Operator City,State,Zip:	ALLENTOWN, PA 18106-5500
Owner/Operator Telephone:	951-539-2277
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	HADDADRS@AIRPRODUCTS.COM

Owner/Operator Indicator:	Owner
Owner/Operator Name: AIR PRODUCTS AND CHEMICALS INC	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	7201 HAMILTON BLVD
Owner/Operator City,State,Zip:	ALLENTOWN, PA 18195-1501
Owner/Operator Telephone:	610-481-3354

AIR PRODUCTS AND CHEMICALS, INC. (Continued) **1001492874**

Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20120307
Handler Name: AIR PRODUCTS AND CHEMICALS, INC.
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20220224
Handler Name: AIR PRODUCTS AND CHEMICALS, INC.
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 19990901
Handler Name: AIR PRODUCTS AND CHEMICALS INC
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 32512
NAICS Description: INDUSTRIAL GAS MANUFACTURING

Has the Facility Received Notices of Violations:
Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported

AIR PRODUCTS AND CHEMICALS, INC. (Continued) **1001492874**

Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Evaluation Action Summary:

Evaluation Date:	20221215
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	CUPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

C25 **AIR PRODUCTS AND CHEMICALS, INC. - CARSON** **AST** **A100416966**
WNW **23300 SOUTH ALAMEDA STREET** **N/A**
1/8-1/4 **CARSON, CA 90810**
0.202 mi.
1067 ft. **Site 4 of 4 in cluster C**

Relative: AST:
Lower

Name:	AIR PRODUCTS AND CHEMICALS, INC. - CARSON
Address:	23300 SOUTH ALAMEDA STREET
City/Zip:	CARSON,90810
Certified Unified Program Agencies:	Not reported

Actual:
22 ft.

AIR PRODUCTS AND CHEMICALS, INC. - CARSON (Continued) **A100416966**

Owner:	Air Products & Chemicals, Inc.
Total Gallons:	Not reported
CERSID:	10155423
Facility ID:	LACoFA0002211
Business Name:	Air Products and Chemicals, Inc.
Phone:	310-847-7300
Fax:	310-847-7311
Mailing Address:	23300 South Alameda Street
Mailing Address City:	Carson
Mailing Address State:	CA
Mailing Address Zip Code:	90810
Operator Name:	Air Products & Chemicals, Inc.
Operator Phone:	310-847-7300 x7
Owner Phone:	610-481-4911
Owner Mail Address:	7201 Hamilton Boulevard
Owner State:	PA
Owner Zip Code:	18195
Owner Country:	United States
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	CAR000056135

D26 **AST** **A100344782**
NW **23208 S ALAMEDA ST** **N/A**
1/8-1/4 **CARSON, CA**
0.224 mi.
1185 ft. **Site 1 of 6 in cluster D**

Relative: AST:
Higher

Actual:
23 ft.

Name:	Not reported
Address:	23208 S ALAMEDA ST
City/Zip:	CARSON,
Certified Unified Program Agencies:	Los Angeles County
Owner:	TESORO REFINING AND MARKETING COMP
Total Gallons:	3702
CERSID:	Not reported
Facility ID:	Not reported
Business Name:	Not reported
Phone:	Not reported
Fax:	Not reported
Mailing Address:	Not reported
Mailing Address City:	Not reported
Mailing Address State:	Not reported
Mailing Address Zip Code:	Not reported
Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	Not reported
Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Country:	Not reported
Property Owner Name:	Not reported
Property Owner Phone:	Not reported

(Continued) **A100344782**

Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Not reported

D27 **EQUILON ENTERPRISES, LLC** **HIST UST** **U002277760**
NW **23208 S ALAMEDA ST** **EMI** **N/A**
1/8-1/4 **CARSON, CA 90810**
0.224 mi.
1185 ft. **Site 2 of 6 in cluster D**

Relative:
Higher

Actual:
23 ft.

HIST UST:

Name:	SULFUR RECOVERY PLANT
Address:	23208 SOUTH ALAMEDA STREET
City,State,Zip:	CARSON, CA 90810
File Number:	00028a2d
URL:	https://documents.geotracker.waterboards.ca.gov/ustpdfs/pdf/00028a2d.pdf
Region:	Not reported
Facility ID:	Not reported
Facility Type:	Not reported
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Total Tanks:	Not reported
Tank Num:	Not reported
Container Num:	Not reported
Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported

Click here for Geo Tracker PDF:

EMI:

Name:	EQUILON LA CARSON SULFUR PLANT
Address:	23208 S ALAMEDA ST
City,State,Zip:	CARSON, CA 90810
Year:	1999
County Code:	19
Air Basin:	SC
Facility ID:	117247
Air District Name:	SC
SIC Code:	2819
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	14
Reactive Organic Gases Tons/Yr:	7
Carbon Monoxide Emissions Tons/Yr:	167

EQUILON ENTERPRISES, LLC (Continued) **U002277760**

NOX - Oxides of Nitrogen Tons/Yr: 35
SOX - Oxides of Sulphur Tons/Yr: 49
Particulate Matter Tons/Yr: 7
Part. Matter 10 Micrometers and Smllr Tons/Yr: 7

Name: EQUILON ENTERPRISES,LLC
Address: 23208 S ALAMEDA ST
City,State,Zip: CARSON, CA 90810
Year: 2001
County Code: 19
Air Basin: SC
Facility ID: 117247
Air District Name: SC
SIC Code: 2819
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Y
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 16
Reactive Organic Gases Tons/Yr: 7
Carbon Monoxide Emissions Tons/Yr: 116
NOX - Oxides of Nitrogen Tons/Yr: 65
SOX - Oxides of Sulphur Tons/Yr: 35
Particulate Matter Tons/Yr: 6
Part. Matter 10 Micrometers and Smllr Tons/Yr: 6

Name: EQUILON ENTERPRISES, LLC
Address: 23208 S ALAMEDA ST
City,State,Zip: CARSON, CA 90810
Year: 2002
County Code: 19
Air Basin: SC
Facility ID: 117247
Air District Name: SC
SIC Code: 2819
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 5
Reactive Organic Gases Tons/Yr: 3
Carbon Monoxide Emissions Tons/Yr: 114
NOX - Oxides of Nitrogen Tons/Yr: 50
SOX - Oxides of Sulphur Tons/Yr: 27
Particulate Matter Tons/Yr: 4
Part. Matter 10 Micrometers and Smllr Tons/Yr: 4

Name: EQUILON ENTERPRISES, LLC
Address: 23208 S ALAMEDA ST
City,State,Zip: CARSON, CA 90810
Year: 2003
County Code: 19
Air Basin: SC
Facility ID: 117247
Air District Name: SC
SIC Code: 2819
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported

EQUILON ENTERPRISES, LLC (Continued) **U002277760**

Total Organic Hydrocarbon Gases Tons/Yr:	5
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	114
NOX - Oxides of Nitrogen Tons/Yr:	50
SOX - Oxides of Sulphur Tons/Yr:	27
Particulate Matter Tons/Yr:	4
Part. Matter 10 Micrometers and Smllr Tons/Yr:	4

Name:	EQUILON ENTERPRISES, LLC
Address:	23208 S ALAMEDA ST
City,State,Zip:	CARSON, CA 90810
Year:	2004
County Code:	19
Air Basin:	SC
Facility ID:	117247
Air District Name:	SC
SIC Code:	2819
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5.14526492
Reactive Organic Gases Tons/Yr:	3.43
Carbon Monoxide Emissions Tons/Yr:	113.7734
NOX - Oxides of Nitrogen Tons/Yr:	50.4421
SOX - Oxides of Sulphur Tons/Yr:	27.40262
Particulate Matter Tons/Yr:	4.477353
Part. Matter 10 Micrometers and Smllr Tons/Yr:	4.46

Name:	EQUILON ENTERPRISES, LLC
Address:	23208 S ALAMEDA ST
City,State,Zip:	CARSON, CA 90810
Year:	2005
County Code:	19
Air Basin:	SC
Facility ID:	117247
Air District Name:	SC
SIC Code:	2819
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	39.431765
Reactive Organic Gases Tons/Yr:	18.41584133
Carbon Monoxide Emissions Tons/Yr:	117.306
NOX - Oxides of Nitrogen Tons/Yr:	58.6088
SOX - Oxides of Sulphur Tons/Yr:	21.97711
Particulate Matter Tons/Yr:	32.9084
Part. Matter 10 Micrometers and Smllr Tons/Yr:	31.7437098

D28
NW
1/8-1/4
0.224 mi.
1185 ft.

Relative:
Higher

Actual:
23 ft.

TESORO REFINING & MARKETING COMPANY LLC-- SULFUR R
23208 S. ALAMEDA STREET
CARSON, CA 90810

Site 3 of 6 in cluster D

Database(s): SEMS-ARCHIVE, CORRACTS, RCRA-TSDF, RCRA-LQG, ICIS, US AIRS

EDR ID Number: 1000144765
EPA ID Number: CAT000646331

SEMS Archive:

Site ID:	0900240
EPA ID:	CAT000646331
Name:	TEXACO USA DIV TEXACO INC
Address:	23208
Address 2:	Not reported
City,State,Zip:	CARSON, CA 90745
Cong District:	31
FIPS Code:	06037
FF:	N
NPL:	Not on the NPL
Non NPL Status:	Deferred to RCRA (Subtitle C)

SEMS Archive Detail:

Region:	09
Site ID:	0900240
EPA ID:	CAT000646331
Site Name:	TEXACO USA DIV TEXACO INC
NPL:	N
FF:	N
OU:	00
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	1996-01-23 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	09
Site ID:	0900240
EPA ID:	CAT000646331
Site Name:	TEXACO USA DIV TEXACO INC
NPL:	N
FF:	N
OU:	00
Action Code:	SI
Action Name:	SI
SEQ:	1
Start Date:	Not reported
Finish Date:	1991-04-15 04:00:00
Qual:	N
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0900240
EPA ID:	CAT000646331
Site Name:	TEXACO USA DIV TEXACO INC
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA

TESORO REFINING & MARKETING COMPANY LLC-- SULFUR RECOVERY (Continued) **1000144765**

SEQ: 1
Start Date: Not reported
Finish Date: 1991-04-15 04:00:00
Qual: N
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900240
EPA ID: CAT000646331
Site Name: TEXACO USA DIV TEXACO INC
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 2
Start Date: Not reported
Finish Date: 1991-09-06 04:00:00
Qual: D
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900240
EPA ID: CAT000646331
Site Name: TEXACO USA DIV TEXACO INC
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1990-08-24 04:00:00
Finish Date: 1990-08-24 04:00:00
Qual: Not reported
Current Action Lead: EPA Perf

CORRACTS:
Name: TESORO REFINING & MARKETING COMPANY LLC-- SULFUR RECOVERY
Address: 23208 S. ALAMEDA STREET
Address 2: Not reported
EPA ID: CAT000646331
Area Name: ENTIRE FACILITY
Corrective Action: CA PRIORITIZATION-LOW CA PRIORITY
Actual Date: 19920325
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: TESORO REFINING & MARKETING COMPANY LLC-- SULFUR RECOVERY
Address: 23208 S. ALAMEDA STREET
Address 2: Not reported
EPA ID: CAT000646331
Area Name: ENTIRE FACILITY
Corrective Action: CA PRIORITIZATION-MEDIUM CA PRIORITY
Actual Date: 19910830

TESORO REFINING & MARKETING COMPANY LLC-- SULFUR RECOVERY (Continued) **1000144765**

Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

RCRA TSDF:
Treatment Storage and Disposal Type: Storage
Full Enforcement Universe: Not reported
Corrective Action Workload Universe: No
Permit Renewals Workload Universe: Not reported
Permit Workload Universe: Not reported
Permit Progress Universe: Storage
Post-Closure Workload Universe: Not reported
Closure Workload Universe: Not reported
Operating TSDF Universe: Not reported
Commercial TSD Indicator: No
Active Site Fed-Reg Treatment Storage and Disposal Facility: Not reported
Active Site Converter Treatment storage and Disposal Facility: Not reported
Active Site State-Reg Treatment Storage and Disposal Facility: Not reported
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: No
TSDFs Only Subject to CA under Discretionary Auth Universe: Yes

Biennial: List of Years
Year: 2021

Click Here for Biennial Reporting System Data:
Year: 2015

Click Here for Biennial Reporting System Data:
Year: 2013

Click Here for Biennial Reporting System Data:
Year: 2011

Click Here for Biennial Reporting System Data:
Year: 2009

Click Here for Biennial Reporting System Data:
Year: 2003

Click Here for Biennial Reporting System Data:

RCRA Listings:
Date Form Received by Agency: 20220225
Handler Name: Tesoro Refining & Marketing Company Llc-- Sulfur Recovery
Handler Address: 23208 S. ALAMEDA STREET
Handler City,State,Zip: CARSON, CA 90810
EPA ID: CAT000646331
Contact Name: NATE J BUSCH
Contact Address: E. PACIFIC COAST HIGHWAY
Contact City,State,Zip: WILMINGTON, CA 90744
Contact Telephone: 310-522-6000 x6154
Contact Fax: 310-522-6484
Contact Email: NBUSCH@MARATHONPETROLEUM.COM
Contact Title: ENVIRONMENTAL SPECIALIST
EPA Region: 09

TESORO REFINING & MARKETING COMPANY LLC-- SULFUR RECOVERY (Continued) **1000144765**

Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	2021
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	223RD STREET
Mailing City,State,Zip:	CARSON, CA 90810
Owner Name:	Tesoro Refining And Marketing
Owner Type:	Private
Operator Name:	Tesoro Refining & Marketing Company
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	Yes
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	Low
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20220617
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years

Year:	2021

TESORO REFINING & MARKETING COMPANY LLC-- SULFUR RECOVERY (Continued) **1000144765**

Click Here for Biennial Reporting System Data:
Year: 2015

Click Here for Biennial Reporting System Data:
Year: 2013

Click Here for Biennial Reporting System Data:
Year: 2011

Click Here for Biennial Reporting System Data:
Year: 2009

Click Here for Biennial Reporting System Data:
Year: 2003

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D001
Waste Description: IGNITABLE WASTE

Waste Code: D002
Waste Description: CORROSIVE WASTE

Waste Code: D003
Waste Description: REACTIVE WASTE

Waste Code: D007
Waste Description: CHROMIUM

Waste Code: D008
Waste Description: LEAD

Waste Code: D009
Waste Description: MERCURY

Waste Code: D011
Waste Description: SILVER

Waste Code: D018
Waste Description: BENZENE

Waste Code: K037
Waste Description: WASTEWATER TREATMENT SLUDGES FROM THE PRODUCTION OF DISULFOTON.

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: TESORO REFINING AND MARKETING COMPANY
Legal Status: Private
Date Became Current: 20070511
Date Ended Current: Not reported
Owner/Operator Address: 2101 E. PACIFIC COAST HIGHWAY
Owner/Operator City,State,Zip: WILMINGTON, CA 90744
Owner/Operator Telephone: 310-522-6000
Owner/Operator Telephone Ext: Not reported

TESORO REFINING & MARKETING COMPANY LLC-- SULFUR RECOVERY (Continued) **1000144765**

Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: TESORO REFINING & MARKETING COMPANY
Legal Status: Private
Date Became Current: 20121203
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: TESORO REFINING AND MARKETING
Legal Status: Private
Date Became Current: 20121203
Date Ended Current: Not reported
Owner/Operator Address: 2350 223RD STREET
Owner/Operator City,State,Zip: CARSON, CA 90810
Owner/Operator Telephone: 310-522-6000
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: NBUSCH@MARATHONPETROLEUM.COM

Owner/Operator Indicator: Owner
Owner/Operator Name: TESORO REFINING & MARKETING
Legal Status: Private
Date Became Current: 20121203
Date Ended Current: Not reported
Owner/Operator Address: 2101 E PACIFIC COAST HWY
Owner/Operator City,State,Zip: WILMINGTON, CA 90744
Owner/Operator Telephone: 310-522-6195
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: EQUILON ENTERPRISES LLC
Legal Status: Private
Date Became Current: 19980115
Date Ended Current: Not reported
Owner/Operator Address: P.O. BOX 817
Owner/Operator City,State,Zip: WILMINGTON, CA 90748
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: TESORO REFINING AND MARKETING COMPANY
Legal Status: Private
Date Became Current: 20070511
Date Ended Current: Not reported
Owner/Operator Address: 2101 E. PACIFIC COAST HIGHWAY

TESORO REFINING & MARKETING COMPANY LLC-- SULFUR RECOVERY (Continued) **1000144765**

Owner/Operator City,State,Zip:	WILMINGTON, CA 90744
Owner/Operator Telephone:	310-522-6000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: TEXACO U.S.A.	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	23208 SOUTH ALAMEDA STREET
Owner/Operator City,State,Zip:	CITY NOT REPORTED, CA 99999
Owner/Operator Telephone:	213-835-8261
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: EQUILON ENTERPRISES LLC	
Legal Status:	Private
Date Became Current:	19980115
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: TESORO REFINING AND MARKETING COMPANY	
Legal Status:	Private
Date Became Current:	20070511
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 817
Owner/Operator City,State,Zip:	WILMINGTON, CA 90744
Owner/Operator Telephone:	310-522-6000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: TESORO REFINING AND MARKETING	
Legal Status:	Private
Date Became Current:	20121203
Date Ended Current:	Not reported
Owner/Operator Address:	2101 E. PACIFIC COAST HIGHWAY
Owner/Operator City,State,Zip:	WILMINGTON, CA 90744
Owner/Operator Telephone:	310-522-6000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: TESORO REFINING AND MARKETING COMPANY	
Legal Status:	Private

TESORO REFINING & MARKETING COMPANY LLC-- SULFUR RECOVERY (Continued) **1000144765**

Date Became Current: 20070511
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: CA
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: TESORO REFINING & MARKETING COMPANY
Legal Status: Private
Date Became Current: 20121203
Date Ended Current: Not reported
Owner/Operator Address: 2350 223RD STREET
Owner/Operator City,State,Zip: CARSON, CA 90810
Owner/Operator Telephone: 310-847-3920
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: NBUSCH@MARATHONPETROLEUM.COM

Owner/Operator Indicator: Owner
Owner/Operator Name: EQUILON ENTERPRISES LLC
Legal Status: Private
Date Became Current: 19980115
Date Ended Current: Not reported
Owner/Operator Address: P.O. BOX 817
Owner/Operator City,State,Zip: WILMINGTON, CA 90748
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: EQUILON ENTERPRISES LLC
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: P O BOX 817
Owner/Operator City,State,Zip: WILMINGTON, CA 90748-0817
Owner/Operator Telephone: 310-522-6000
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: TESORO REFINING & MARKETING CO
Legal Status: Private
Date Became Current: 20121203
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

TESORO REFINING & MARKETING COMPANY LLC-- SULFUR RECOVERY (Continued) **1000144765**

Owner/Operator Indicator: Owner
Owner/Operator Name: TESORO REFINING AND MARKETING CO LLC
Legal Status: Private
Date Became Current: 20121203
Date Ended Current: Not reported
Owner/Operator Address: 2101 E PACIFIC COAST HWY
Owner/Operator City,State,Zip: WILMINGTON, CA 90744
Owner/Operator Telephone: 310-522-6000
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: TESORO REFINING AND MARKETING CO LLC
Legal Status: Private
Date Became Current: 20121203
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: TESORO REFINING AND MARKETING COMPANY
Legal Status: Private
Date Became Current: 20070511
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: TESORO REFINING AND MARKETING COMPANY
Legal Status: Private
Date Became Current: 20070511
Date Ended Current: Not reported
Owner/Operator Address: PO BOX 817
Owner/Operator City,State,Zip: WILMINGTON, CA 90748-0817
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: EQUILON ENTERPRISES LLC
Legal Status: Private
Date Became Current: 19980115
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported

TESORO REFINING & MARKETING COMPANY LLC-- SULFUR RECOVERY (Continued) **1000144765**

Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 20100128
Handler Name: TESORO REFINING AND MARKETING COMPANY -- SULFUR RECOVERY PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20120217
Handler Name: TESORO REFINING AND MARKETING COMPANY, SULFUR RECOVERY PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20140301
Handler Name: TESORO REFINING & MARKETING CO LLC, SULFUR RECOVERY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20160212
Handler Name: TESORO REFINING & MARKETING COMPANY LLC-- SULFUR RECOVERY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20220225

TESORO REFINING & MARKETING COMPANY LLC-- SULFUR RECOVERY (Continued) **1000144765**

Handler Name: TESORO REFINING & MARKETING COMPANY LLC-- SULFUR RECOVERY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 19960901
Handler Name: EQUILON ENTERPRISES LLC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20040218
Handler Name: SULFUR RECOVERY PLANT
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19980529
Handler Name: EQUILON ENTERPRISES LLC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20070604
Handler Name: TESORO SULFUR RECOVERY PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No

TESORO REFINING & MARKETING COMPANY LLC-- SULFUR RECOVERY (Continued) **1000144765**

Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20121219
Handler Name: TESORO REFINING AND MARKETING CO LLC SULFUR RECOVERY PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19900417
Handler Name: TEXACO REFINING & MKT. INC.
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20040218
Handler Name: SULFUR RECOVERY PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 32411
NAICS Description: PETROLEUM REFINERIES

NAICS Code: 324199
NAICS Description: ALL OTHER PETROLEUM AND COAL PRODUCTS MANUFACTURING

NAICS Code: 32518
NAICS Description: OTHER BASIC INORGANIC CHEMICAL MANUFACTURING

NAICS Code: 325188

TESORO REFINING & MARKETING COMPANY LLC-- SULFUR RECOVERY (Continued) **1000144765**

NAICS Description: ALL OTHER BASIC INORGANIC CHEMICAL MANUFACTURING

NAICS Code: 325199
NAICS Description: ALL OTHER BASIC ORGANIC CHEMICAL MANUFACTURING

Has the Facility Received Notices of Violations:

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	LDR - General
Date Violation was Determined:	19880113
Actual Return to Compliance Date:	19880826
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19880413
Actual Return to Compliance Date:	19880507
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19880507
Enforcement Identifier:	003
Date of Enforcement Action:	19880505
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

TESORO REFINING & MARKETING COMPANY LLC-- SULFUR RECOVERY (Continued) **1000144765**

Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 20010101
Actual Return to Compliance Date: 20010101
Return to Compliance Qualifier: Unverifiable
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported

TESORO REFINING & MARKETING COMPANY LLC-- SULFUR RECOVERY (Continued) **1000144765**

Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19881213
Actual Return to Compliance Date: 19890223
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19890205
Enforcement Identifier: 004
Date of Enforcement Action: 19890105
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported

TESORO REFINING & MARKETING COMPANY LLC-- SULFUR RECOVERY (Continued) **1000144765**

Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	19871230
Actual Return to Compliance Date:	19880210
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19880204
Enforcement Identifier:	001
Date of Enforcement Action:	19880104
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported

TESORO REFINING & MARKETING COMPANY LLC-- SULFUR RECOVERY (Continued) **1000144765**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

TESORO REFINING & MARKETING COMPANY LLC-- SULFUR RECOVERY (Continued) **1000144765**

Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19880113
Actual Return to Compliance Date: 19880507
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19880323
Enforcement Identifier: 002
Date of Enforcement Action: 19880224
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported

TESORO REFINING & MARKETING COMPANY LLC-- SULFUR RECOVERY (Continued) **1000144765**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	LDR - General
Date Violation was Determined:	19880113
Actual Return to Compliance Date:	19880826
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Evaluation Action Summary:

Evaluation Date:	19880113
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19880826
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

TESORO REFINING & MARKETING COMPANY LLC-- SULFUR RECOVERY (Continued) **1000144765**

Evaluation Date:	19880413
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19880507
Scheduled Compliance Date:	19880507
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19910801
Evaluation Responsible Agency:	EPA Contractor/Grantee
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20010101
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19881213
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19890223
Scheduled Compliance Date:	19890205
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19910423
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19871230
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA

TESORO REFINING & MARKETING COMPANY LLC-- SULFUR RECOVERY (Continued) **1000144765**

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19880210
Scheduled Compliance Date:	19880204
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19881201
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19921020
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19880113
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19880507
Scheduled Compliance Date:	19880323
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19880113
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19880826
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

TESORO REFINING & MARKETING COMPANY LLC-- SULFUR RECOVERY (Continued) **1000144765**

Request Agency: Not reported
Former Citation: Not reported

ICIS:
Enforcement Action ID: CASCAA0000060370008100069
FRS ID: 110000746667
Action Name: TESORO REF & MKTG CO 060370008100069
Facility Name: TESORO REF & MKTG CO
Facility Address: 23208 S ALAMEDA
CARSON, CA 90810
Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2819
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.81489
Longitude in Decimal Degrees: -118.232
Permit Type Desc: Not reported
Program System Acronym: CASCA0000603700081
Facility NAICS Code: 325188
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA0000060370008100068

TESORO REFINING & MARKETING COMPANY LLC-- SULFUR RECOVERY (Continued) **1000144765**

FRS ID: 110000746667
Action Name: TESORO REF & MKTG CO 060370008100068
Facility Name: TESORO REF & MKTG CO
Facility Address: 23208 S ALAMEDA
CARSON, CA 90810
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2819
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.81489
Longitude in Decimal Degrees: -118.232
Permit Type Desc: Not reported
Program System Acronym: CASCA0000603700081
Facility NAICS Code: 325188
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA0000060370008100057
FRS ID: 110000746667
Action Name: TESORO REF & MKTG CO 060370008100057
Facility Name: TESORO REF & MKTG CO
Facility Address: 23208 S ALAMEDA
CARSON, CA 90810
Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2819
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.81489
Longitude in Decimal Degrees: -118.232
Permit Type Desc: Not reported
Program System Acronym: CASCA0000603700081
Facility NAICS Code: 325188
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA0000060370008100054
FRS ID: 110000746667
Action Name: TESORO REF & MKTG CO 060370008100054
Facility Name: TESORO REF & MKTG CO
Facility Address: 23208 S ALAMEDA
CARSON, CA 90810
Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2819
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.81489
Longitude in Decimal Degrees: -118.232
Permit Type Desc: Not reported
Program System Acronym: CASCA0000603700081
Facility NAICS Code: 325188

TESORO REFINING & MARKETING COMPANY LLC-- SULFUR RECOVERY (Continued) **1000144765**

Tribal Land Code: Not reported

Enforcement Action ID: CASCAA0000060370008100053
FRS ID: 110000746667
Action Name: TESORO REF & MKTG CO 060370008100053
Facility Name: TESORO REF & MKTG CO
Facility Address: 23208 S ALAMEDA
CARSON, CA 90810
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2819
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.81489
Longitude in Decimal Degrees: -118.232
Permit Type Desc: Not reported
Program System Acronym: CASCA0000603700081
Facility NAICS Code: 325188
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA0000060370008100047
FRS ID: 110000746667
Action Name: TESORO REF & MKTG CO 060370008100047
Facility Name: TESORO REF & MKTG CO
Facility Address: 23208 S ALAMEDA
CARSON, CA 90810
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2819
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.81489
Longitude in Decimal Degrees: -118.232
Permit Type Desc: Not reported
Program System Acronym: CASCA0000603700081
Facility NAICS Code: 325188
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA0000060370008100040
FRS ID: 110000746667
Action Name: TESORO REF & MKTG CO 060370008100040
Facility Name: TESORO REF & MKTG CO
Facility Address: 23208 S ALAMEDA
CARSON, CA 90810
Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2819
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.81489
Longitude in Decimal Degrees: -118.232

TESORO REFINING & MARKETING COMPANY LLC-- SULFUR RECOVERY (Continued) **1000144765**

Permit Type Desc: Not reported
Program System Acronym: CASCA0000603700081
Facility NAICS Code: 325188
Tribal Land Code: Not reported

US AIRS (AFS):
Region Code: 09
County Code: CA037
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
D and B Number: Not reported
Facility Site Name: TESORO REF & MKTG CO
Primary SIC Code: 2819
NAICS Code: 325188
Default Air Classification Code: MAJ
Facility Type of Ownership Code: POF
Air CMS Category Code: TVM
HPV Status: ADDRESSED HPV

US AIRS (AFS):
Region Code: 09
Programmatic ID: AIR CASCA0000603700081
Facility Registry ID: 110000746667
Air Operating Status Code: OPR
Default Air Classification Code: MAJ

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-09-25 00:00:00
Activity Status Date: 2015-01-09 16:00:31
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-09-25 00:00:00
Activity Status Date: 2015-01-09 16:11:12
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: Title V Permits
Activity Date: 2014-09-25 00:00:00
Activity Status Date: 2015-01-09 16:11:12
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: Title V Permits
Activity Date: 2014-09-25 00:00:00
Activity Status Date: 2015-01-09 16:00:31
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: Title V Permits
Activity Date: 2014-07-29 00:00:00

TESORO REFINING & MARKETING COMPANY LLC-- SULFUR RECOVERY (Continued) **1000144765**

Activity Status Date: 2015-01-09 16:10:13
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: Title V Permits
Activity Date: 2014-03-05 00:00:00
Activity Status Date: 2015-01-09 16:08:44
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: Title V Permits
Activity Date: 2014-03-03 00:00:00
Activity Status Date: 2015-01-09 16:06:10
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: Title V Permits
Activity Date: 2014-02-28 00:00:00
Activity Status Date: 2015-01-09 16:02:29
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: Title V Permits
Activity Date: 2014-01-20 00:00:00
Activity Status Date: 2015-01-09 16:04:37
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-04-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2013-04-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2013-04-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-04-29 00:00:00
Activity Status Date: Not reported

TESORO REFINING & MARKETING COMPANY LLC-- SULFUR RECOVERY (Continued) **1000144765**

Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2013-03-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-03-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-02-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2013-02-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-09-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2012-09-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-09-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2012-09-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

TESORO REFINING & MARKETING COMPANY LLC-- SULFUR RECOVERY (Continued) **1000144765**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2012-05-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-05-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-04-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2012-04-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2012-02-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-02-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2011-07-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-07-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

TESORO REFINING & MARKETING COMPANY LLC-- SULFUR RECOVERY (Continued) **1000144765**

Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-06-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2011-06-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-06-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2011-06-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-06-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2011-06-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2011-02-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-02-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

TESORO REFINING & MARKETING COMPANY LLC-- SULFUR RECOVERY (Continued) **1000144765**

Air Program: Title V Permits
Activity Date: 2010-09-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-09-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-09-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2010-09-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2010-05-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-05-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-02-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2010-02-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

TESORO REFINING & MARKETING COMPANY LLC-- SULFUR RECOVERY (Continued) **1000144765**

Activity Date: 2009-07-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2009-07-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-09-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2008-09-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2007-07-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-07-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2006-08-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-08-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2006-04-26 00:00:00

TESORO REFINING & MARKETING COMPANY LLC-- SULFUR RECOVERY (Continued) **1000144765**

Activity Status Date: 2006-04-26 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Resolved

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-04-26 00:00:00
Activity Status Date: 2006-04-26 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Resolved

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-09-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2005-09-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2005-03-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-03-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2003-05-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2003-05-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2003-02-13 00:00:00
Activity Status Date: 2003-02-13 00:00:00

TESORO REFINING & MARKETING COMPANY LLC-- SULFUR RECOVERY (Continued) **1000144765**

Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Air Program: Title V Permits
Activity Date: 2003-02-13 00:00:00
Activity Status Date: 2003-02-13 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Air Program: Title V Permits
Activity Date: 1998-12-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1998-12-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 1997-09-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1997-09-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1997-02-18 00:00:00
Activity Status Date: 1997-02-18 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1996-11-01 00:00:00
Activity Status Date: 1996-11-01 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1996-08-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

TESORO REFINING & MARKETING COMPANY LLC-- SULFUR RECOVERY (Continued) **1000144765**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1996-02-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1995-12-06 00:00:00
Activity Status Date: 1995-12-06 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1995-12-01 00:00:00
Activity Status Date: 1995-12-01 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1994-06-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1994-05-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1993-09-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1993-05-01 00:00:00
Activity Status Date: 1993-05-01 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1992-09-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

TESORO REFINING & MARKETING COMPANY LLC-- SULFUR RECOVERY (Continued) **1000144765**

Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1991-09-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1990-09-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1990-03-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1989-09-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1989-03-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1988-11-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1988-05-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1987-06-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

TESORO REFINING & MARKETING COMPANY LLC-- SULFUR RECOVERY (Continued) **1000144765**

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1987-01-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1986-08-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1986-03-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1985-10-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1985-03-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1984-05-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1983-06-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1983-03-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

TESORO REFINING & MARKETING COMPANY LLC-- SULFUR RECOVERY (Continued) **1000144765**

Activity Date: 1982-04-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1982-01-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1981-05-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1981-03-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1980-12-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1980-09-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1980-06-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1979-12-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1979-04-11 00:00:00

TESORO REFINING & MARKETING COMPANY LLC-- SULFUR RECOVERY (Continued) **1000144765**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1978-11-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1978-11-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1978-05-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1978-01-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

D29
NW
1/8-1/4
0.224 mi.
1185 ft.

TESORO REFINING & MARKETING COMPANY-SULFUR RECOVER **ENVIROSTOR S100222939**
23208 S ALAMEDA ST **CHMIRS N/A**
CARSON, CA 90810

Site 4 of 6 in cluster D

Relative: Higher

Actual: 23 ft.

ENVIROSTOR:
Name: TESORO REFINING & MARKETING COMPANY-SULFUR RECOVERY PLANT
Address: 23208 S ALAMEDA ST
City,State,Zip: CARSON, CA 908101919
Facility ID: 80001817
Status: Inactive - Action Required
Status Date: 05/31/2012
Site Code: Not reported
Site Type: Corrective Action
Site Type Detailed: Corrective Action
Acres: 0
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: WM
Program Manager: Katherine Gould
Supervisor: Ju-Tseng Liu
Division Branch: Cleanup Cypress
Assembly: 64

TESORO REFINING & MARKETING COMPANY-SULFUR RECOVERY PLANT (Continued) **S100222939**

Senate: 35
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.81398
Longitude: -118.2311
APN: 7315020001
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 7315020001
Alias Type: APN
Alias Name: CAT000646331
Alias Type: EPA Identification Number
Alias Name: 110000746667
Alias Type: EPA (FRS #)
Alias Name: 80001817
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/04/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Questionnaire
Completed Date: 03/25/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 08/30/1991
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 04/15/1991
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

CHMIRS:

TESORO REFINING & MARKETING COMPANY-SULFUR RECOVERY PLANT (Continued) **S100222939**

Name:	Not reported
Address:	23208 S ALAMEDA
City,State,Zip:	CARSON, CA 90810-1919
OES Incident Number:	991845
OES notification:	Not reported
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**04-SEP-88**
Property Use:	600
Agency Id Number:	19110
Agency Incident Number:	0
Time Notified:	1324
Time Completed:	1430
Surrounding Area:	Not reported
Estimated Temperature:	105
Property Management:	Not reported
More Than Two Substances Involved?:	N
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	HARRISON
Report Date:	04-SEP-88
Facility Telephone:	213 267-2485
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Not reported
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	88-92
Agency:	Not reported
Incident Date:	04-SEP-88
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Not reported
Site Type:	Not reported
E Date:	Not reported
Substance:	Not reported
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported

TESORO REFINING & MARKETING COMPANY-SULFUR RECOVERY PLANT (Continued) **S100222939**

#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	N
Description:	Not reported

D30 **SULFUR RECOVERY PLANT** **AST** **U001566261**
NW **23208 S ALAMEDA ST** **CERS HAZ WASTE** **N/A**
1/8-1/4 **CARSON, CA 90810** **HIST UST**
0.224 mi. **CERS TANKS**
1185 ft. **Site 5 of 6 in cluster D** **CHMIRS**
EMI
Relative: **HWP**
Higher **HAZNET**
Actual: **CERS**
23 ft. **HWTS**

AST:

Name:	TESORO REFINING AND MARKETING CO
Address:	23208 S ALAMEDA ST
City/Zip:	CARSON,90810
Certified Unified Program Agencies:	Not reported
Owner:	TESORO REFINING & MARKETING COMPANY LLC
Total Gallons:	Not reported
CERSID:	10263403
Facility ID:	LACoFA0002133
Business Name:	TESORO REFINING AND MARKETING CO
Phone:	310 847-5209
Fax:	Not reported
Mailing Address:	2101 E PACIFIC COAST HWY
Mailing Address City:	WILMINGTON
Mailing Address State:	CA
Mailing Address Zip Code:	90744
Operator Name:	DAVID L. FOSTER
Operator Phone:	310 847-5209
Owner Phone:	310 522 6000
Owner Mail Address:	2101 EAST PACIFIC COAST HWY
Owner State:	CA
Owner Zip Code:	90744
Owner Country:	United States
Property Owner Name:	Tesoro Refining & Marketing Company LLC
Property Owner Phone:	310 522 6000
Property Owner Mailing Address:	2101 East Pacific Coast Hwy
Property Owner City:	Wilmington
Property Owner Stat :	CA
Property Owner Zip Code:	90744
Property Owner Country:	United States
EPAID:	CAT000646331

CERS HAZ WASTE:

Name:	TESORO REFINING AND MARKETING CO

SULFUR RECOVERY PLANT (Continued) **U001566261**

Address: 23208 S ALAMEDA ST
City,State,Zip: CARSON, CA 90810
Site ID: 403656
CERS ID: 10263403
CERS Description: RCRA LQ HW Generator

Name: TESORO REFINING AND MARKETING CO
Address: 23208 S ALAMEDA ST
City,State,Zip: CARSON, CA 90810
Site ID: 403656
CERS ID: 10263403
CERS Description: Hazardous Chemical Management

Name: TESORO REFINING AND MARKETING CO
Address: 23208 S ALAMEDA ST
City,State,Zip: CARSON, CA 90810
Site ID: 403656
CERS ID: 10263403
CERS Description: Hazardous Waste Generator

HIST UST:
Name: SULFUR RECOVERY PLANT
Address: 23208 S ALAMEDA ST
City,State,Zip: CARSON, CA 90810
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000066990
Facility Type: Other
Other Type: SULFUR RECOVERY
Contact Name: D. E. REYNOLDS
Telephone: 2138358261
Owner Name: TEXACO REFINING & MARKETING IN
Owner Address: 1111 RUSK AVENUE
Owner City,St,Zip: HOUSTON, TX 77002
Total Tanks: 0001

Tank Num: 001
Container Num: T-909
Year Installed: Not reported
Tank Capacity: 00001000
Tank Used for: WASTE
Type of Fuel: 2
Container Construction Thickness: X
Leak Detection: Stock Inventor

CERS TANKS:
Name: TESORO REFINING AND MARKETING CO
Address: 23208 S ALAMEDA ST
City,State,Zip: CARSON, CA 90810
Site ID: 403656
CERS ID: 10263403
CERS Description: Aboveground Petroleum Storage

CHMIRS:
Name: Not reported

SULFUR RECOVERY PLANT (Continued) **U001566261**

Address:	23208 S. ALAMEDA ST
City,State,Zip:	CARSON, CA
OES Incident Number:	16-5200
OES notification:	08/26/2016
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	n/a
Spill Site:	Refinery
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	VAPOR
Measure:	Unknown
Other:	Not reported
Date/Time:	1300
Year:	2016
Agency:	Tesoro
Incident Date:	08/26/2016
Admin Agency:	LACoFD Health Haz-Mat
Amount:	Not reported
Contained:	No
Site Type:	n/a
E Date:	Not reported
Substance:	SO2, H2S and Steam
Quantity Released:	unknown
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported

SULFUR RECOVERY PLANT (Continued) **U001566261**

Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	RP states: Sulfur tank at sulfur recovery plant compromised resulting in the release of an unknown amount of SO2, H2S and Steam to the air. Release is not contained and is still releasing. There is visible steam coming from the facility. Tesoro is worki

Name:	Not reported
Address:	23208 S ALAMEDA ST
City,State,Zip:	CARSON, CA 90810
OES Incident Number:	22-3365
OES notification:	06/14/2022
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Refinery
Cleanup By:	Unrecoverable
Containment:	Not reported

SULFUR RECOVERY PLANT (Continued) **U001566261**

What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	VAPOR
Measure:	Cu.Ft.
Other:	Not reported
Date/Time:	900
Year:	2022
Agency:	Tesoro Los Angeles Refinery
Incident Date:	06/14/2022
Admin Agency:	LACoFD Health Haz-Mat
Amount:	Not reported
Contained:	Not stopped,Not contained
Site Type:	Not reported
E Date:	Not reported
Substance:	SO2
Quantity Released:	Unknown
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	Caller states a valve failed causing a release of SO2 onto the atmosphere. Release is not stopped and not contained with no waterways impacted. AQMD has been on site.

EMI:

Name:	TEXACO REFINING & MARKETING IN
Address:	23208 S ALAMEDA ST
City,State,Zip:	CARSON, CA 90810
Year:	1987
County Code:	19
Air Basin:	SC
Facility ID:	800222
Air District Name:	SC
SIC Code:	2819
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	14
Reactive Organic Gases Tons/Yr:	8
Carbon Monoxide Emissions Tons/Yr:	134
NOX - Oxides of Nitrogen Tons/Yr:	156
SOX - Oxides of Sulphur Tons/Yr:	26

SULFUR RECOVERY PLANT (Continued) **U001566261**

Particulate Matter Tons/Yr:	13
Part. Matter 10 Micrometers and Smllr Tons/Yr:	13
Name:	TEXACO REFINING & MARKETING IN
Address:	23208 S ALAMEDA ST
City,State,Zip:	CARSON, CA 90810
Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	800222
Air District Name:	SC
SIC Code:	2819
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	15
Reactive Organic Gases Tons/Yr:	10
Carbon Monoxide Emissions Tons/Yr:	127
NOX - Oxides of Nitrogen Tons/Yr:	109
SOX - Oxides of Sulphur Tons/Yr:	156
Particulate Matter Tons/Yr:	12
Part. Matter 10 Micrometers and Smllr Tons/Yr:	12
Name:	TEXACO REFINING & MARKETING IN
Address:	23208 S ALAMEDA ST
City,State,Zip:	CARSON, CA 90810
Year:	1995
County Code:	19
Air Basin:	SC
Facility ID:	800222
Air District Name:	SC
SIC Code:	2819
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	25
Reactive Organic Gases Tons/Yr:	8
Carbon Monoxide Emissions Tons/Yr:	134
NOX - Oxides of Nitrogen Tons/Yr:	85
SOX - Oxides of Sulphur Tons/Yr:	9
Particulate Matter Tons/Yr:	5
Part. Matter 10 Micrometers and Smllr Tons/Yr:	5
Name:	TEXACO REFINING & MARKETING IN
Address:	23208 S ALAMEDA ST
City,State,Zip:	CARSON, CA 90810
Year:	1996
County Code:	19
Air Basin:	SC
Facility ID:	800222
Air District Name:	SC
SIC Code:	2819
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	26
Reactive Organic Gases Tons/Yr:	12

SULFUR RECOVERY PLANT (Continued) **U001566261**

Carbon Monoxide Emissions Tons/Yr: 136
NOX - Oxides of Nitrogen Tons/Yr: 32
SOX - Oxides of Sulphur Tons/Yr: 70
Particulate Matter Tons/Yr: 9
Part. Matter 10 Micrometers and Smllr Tons/Yr: 8

Name: TEXACO REFINING & MARKETING IN
Address: 23208 S ALAMEDA ST
City,State,Zip: CARSON, CA 90810
Year: 1997
County Code: 19
Air Basin: SC
Facility ID: 800222
Air District Name: SC
SIC Code: 2819
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 14
Reactive Organic Gases Tons/Yr: 7
Carbon Monoxide Emissions Tons/Yr: 150
NOX - Oxides of Nitrogen Tons/Yr: 29
SOX - Oxides of Sulphur Tons/Yr: 27
Particulate Matter Tons/Yr: 5
Part. Matter 10 Micrometers and Smllr Tons/Yr: 4

Name: TEXACO REFINING & MARKETING IN
Address: 23208 S ALAMEDA ST
City,State,Zip: CARSON, CA 90810
Year: 1998
County Code: 19
Air Basin: SC
Facility ID: 800222
Air District Name: SC
SIC Code: 2819
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 14
Reactive Organic Gases Tons/Yr: 6
Carbon Monoxide Emissions Tons/Yr: 150
NOX - Oxides of Nitrogen Tons/Yr: 29
SOX - Oxides of Sulphur Tons/Yr: 27
Particulate Matter Tons/Yr: 5
Part. Matter 10 Micrometers and Smllr Tons/Yr: 4

Name: TEXACO REFINING & MARKETING IN
Address: 23208 S ALAMEDA ST
City,State,Zip: CARSON, CA 90810
Year: 2000
County Code: 19
Air Basin: SC
Facility ID: 800222
Air District Name: SC
SIC Code: 2819
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported

SULFUR RECOVERY PLANT (Continued) **U001566261**

Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 14
Reactive Organic Gases Tons/Yr: 7
Carbon Monoxide Emissions Tons/Yr: 150
NOX - Oxides of Nitrogen Tons/Yr: 29
SOX - Oxides of Sulphur Tons/Yr: 27
Particulate Matter Tons/Yr: 5
Part. Matter 10 Micrometers and Smllr Tons/Yr: 4

Name: TESORO REFINING AND MARKETING CO
Address: 23208 S ALAMEDA ST
City,State,Zip: CARSON, CA 90810
Year: 2006
County Code: 19
Air Basin: SC
Facility ID: 151798
Air District Name: SC
SIC Code: 2819
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 101.5371111819828097
Reactive Organic Gases Tons/Yr: 30.117
Carbon Monoxide Emissions Tons/Yr: 130.371
NOX - Oxides of Nitrogen Tons/Yr: 90.279
SOX - Oxides of Sulphur Tons/Yr: 56.86
Particulate Matter Tons/Yr: 33.81
Part. Matter 10 Micrometers and Smllr Tons/Yr: 31.7962

Name: TESORO REFINING AND MARKETING CO
Address: 23208 S ALAMEDA ST
City,State,Zip: CARSON, CA 90810
Year: 2007
County Code: 19
Air Basin: SC
Facility ID: 151798
Air District Name: SC
SIC Code: 2819
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 101.3625385979579172
Reactive Organic Gases Tons/Yr: 30.117
Carbon Monoxide Emissions Tons/Yr: 130.371
NOX - Oxides of Nitrogen Tons/Yr: 90.279
SOX - Oxides of Sulphur Tons/Yr: 56.86
Particulate Matter Tons/Yr: 33.81
Part. Matter 10 Micrometers and Smllr Tons/Yr: 31.80061

Name: TESORO REFINING AND MARKETING CO
Address: 23208 S ALAMEDA ST
City,State,Zip: CARSON, CA 90810
Year: 2008
County Code: 19
Air Basin: SC
Facility ID: 151798
Air District Name: SC

SULFUR RECOVERY PLANT (Continued) **U001566261**

SIC Code:	2819
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	110.6766760980480583
Reactive Organic Gases Tons/Yr:	30.3035324727
Carbon Monoxide Emissions Tons/Yr:	155.36
NOX - Oxides of Nitrogen Tons/Yr:	76.46
SOX - Oxides of Sulphur Tons/Yr:	22.39
Particulate Matter Tons/Yr:	36
Part. Matter 10 Micrometers and Smllr Tons/Yr:	33.9046

Name:	TESORO REFINING AND MARKETING CO
Address:	23208 S ALAMEDA ST
City,State,Zip:	CARSON, CA 90810
Year:	2009
County Code:	19
Air Basin:	SC
Facility ID:	151798
Air District Name:	SC
SIC Code:	2819
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	107.87706053478399
Reactive Organic Gases Tons/Yr:	29.793150472699999
Carbon Monoxide Emissions Tons/Yr:	149.06
NOX - Oxides of Nitrogen Tons/Yr:	65.260000000000005
SOX - Oxides of Sulphur Tons/Yr:	14.16
Particulate Matter Tons/Yr:	35.200000000000003
Part. Matter 10 Micrometers and Smllr Tons/Yr:	33.089599999999997

Name:	TESORO REFINING AND MARKETING CO
Address:	23208 S ALAMEDA ST
City,State,Zip:	CARSON, CA 90810
Year:	2010
County Code:	19
Air Basin:	SC
Facility ID:	151798
Air District Name:	SC
SIC Code:	2819
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	39.395247697043899
Reactive Organic Gases Tons/Yr:	30.692790160703598
Carbon Monoxide Emissions Tons/Yr:	162.11044000000001
NOX - Oxides of Nitrogen Tons/Yr:	60.485320000000002
SOX - Oxides of Sulphur Tons/Yr:	10.16896
Particulate Matter Tons/Yr:	36.652459999999998
Part. Matter 10 Micrometers and Smllr Tons/Yr:	32.823329000000001

Name:	TESORO REFINING AND MARKETING CO
Address:	23208 S ALAMEDA ST
City,State,Zip:	CARSON, CA 90810
Year:	2011
County Code:	19

SULFUR RECOVERY PLANT (Continued) **U001566261**

Air Basin:	SC
Facility ID:	151798
Air District Name:	SC
SIC Code:	2819
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	38.902916464
Reactive Organic Gases Tons/Yr:	30.45007492
Carbon Monoxide Emissions Tons/Yr:	152.62146
NOX - Oxides of Nitrogen Tons/Yr:	49.79992
SOX - Oxides of Sulphur Tons/Yr:	3.50159
Particulate Matter Tons/Yr:	34.26475
Part. Matter 10 Micrometers and Smllr Tons/Yr:	30.582423

Name:	TESORO REFINING AND MARKETING CO, LLC
Address:	23208 S ALAMEDA ST
City,State,Zip:	CARSON, CA 90810
Year:	2012
County Code:	19
Air Basin:	SC
Facility ID:	151798
Air District Name:	SC
SIC Code:	2819
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	155.85463638
Reactive Organic Gases Tons/Yr:	28.793952483
Carbon Monoxide Emissions Tons/Yr:	148.98806
NOX - Oxides of Nitrogen Tons/Yr:	44.45245
SOX - Oxides of Sulphur Tons/Yr:	9.31386
Particulate Matter Tons/Yr:	32.81598
Part. Matter 10 Micrometers and Smllr Tons/Yr:	31.830351

Name:	TESORO REFINING AND MARKETING CO, LLC
Address:	23208 S ALAMEDA ST
City,State,Zip:	CARSON, CA 90810
Year:	2013
County Code:	19
Air Basin:	SC
Facility ID:	151798
Air District Name:	SC
SIC Code:	2819
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	156.10957063
Reactive Organic Gases Tons/Yr:	28.739699593
Carbon Monoxide Emissions Tons/Yr:	144.7298
NOX - Oxides of Nitrogen Tons/Yr:	51.5297
SOX - Oxides of Sulphur Tons/Yr:	6.93559
Particulate Matter Tons/Yr:	32.40033
Part. Matter 10 Micrometers and Smllr Tons/Yr:	31.421628

Name:	TESORO REFINING AND MARKETING CO, LLC
Address:	23208 S ALAMEDA ST

SULFUR RECOVERY PLANT (Continued) **U001566261**

City,State,Zip:	CARSON, CA 90810
Year:	2014
County Code:	19
Air Basin:	SC
Facility ID:	151798
Air District Name:	SC
SIC Code:	2911
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	36.306367741
Reactive Organic Gases Tons/Yr:	29.95176949
Carbon Monoxide Emissions Tons/Yr:	147.51059
NOX - Oxides of Nitrogen Tons/Yr:	35.68702
SOX - Oxides of Sulphur Tons/Yr:	3.88646
Particulate Matter Tons/Yr:	33.56866
Part. Matter 10 Micrometers and Smllr Tons/Yr:	31.48817196

Name:	TESORO REFINING AND MARKETING CO
Address:	23208 S ALAMEDA ST
City,State,Zip:	CARSON, CA 90810
Year:	2015
County Code:	19
Air Basin:	SC
Facility ID:	151798
Air District Name:	SC
SIC Code:	2819
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	42.720301994
Reactive Organic Gases Tons/Yr:	36.993096026
Carbon Monoxide Emissions Tons/Yr:	144.46983223
NOX - Oxides of Nitrogen Tons/Yr:	38.2268925
SOX - Oxides of Sulphur Tons/Yr:	8.462473785
Particulate Matter Tons/Yr:	30.355429483
Part. Matter 10 Micrometers and Smllr Tons/Yr:	28.39421944

Name:	TESORO REFINING AND MARKETING CO, LLC
Address:	23208 S ALAMEDA ST
City,State,Zip:	CARSON, CA 90810
Year:	2016
County Code:	19
Air Basin:	SC
Facility ID:	151798
Air District Name:	SC
SIC Code:	2911
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	49.351987178
Reactive Organic Gases Tons/Yr:	38.28468181
Carbon Monoxide Emissions Tons/Yr:	158.54
NOX - Oxides of Nitrogen Tons/Yr:	43.19
SOX - Oxides of Sulphur Tons/Yr:	6.538747
Particulate Matter Tons/Yr:	32.940424
Part. Matter 10 Micrometers and Smllr Tons/Yr:	30.877653198

SULFUR RECOVERY PLANT (Continued) **U001566261**

Name:	TESORO REFINING AND MARKETING CO, LLC
Address:	23208 S ALAMEDA ST
City,State,Zip:	CARSON, CA 90810
Year:	2017
County Code:	19
Air Basin:	SC
Facility ID:	151798
Air District Name:	SC
SIC Code:	2911
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	37.888532755
Reactive Organic Gases Tons/Yr:	29.25374914
Carbon Monoxide Emissions Tons/Yr:	166.27785
NOX - Oxides of Nitrogen Tons/Yr:	53.890203
SOX - Oxides of Sulphur Tons/Yr:	6.9707246
Particulate Matter Tons/Yr:	32.9203407
Part. Matter 10 Micrometers and Smllr Tons/Yr:	30.898151197

Name:	TESORO REFINING AND MARKETING CO, LLC
Address:	23208 S ALAMEDA ST
City,State,Zip:	CARSON, CA 90810
Year:	2018
County Code:	19
Air Basin:	SC
Facility ID:	151798
Air District Name:	SC
SIC Code:	9999
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	42.435205762
Reactive Organic Gases Tons/Yr:	30.877063019
Carbon Monoxide Emissions Tons/Yr:	190.6098886
NOX - Oxides of Nitrogen Tons/Yr:	46.5715915
SOX - Oxides of Sulphur Tons/Yr:	5.071090934
Particulate Matter Tons/Yr:	34.862365837
Part. Matter 10 Micrometers and Smllr Tons/Yr:	32.740983084

Name:	TESORO REFINING AND MARKETING CO, LLC
Address:	23208 S ALAMEDA ST
City,State,Zip:	CARSON, CA 90810
Year:	2019
County Code:	19
Air Basin:	SC
Facility ID:	151798
Air District Name:	SC
SIC Code:	8732
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	37.280386197
Reactive Organic Gases Tons/Yr:	29.399788708
Carbon Monoxide Emissions Tons/Yr:	162.63261285
NOX - Oxides of Nitrogen Tons/Yr:	47.1829683
SOX - Oxides of Sulphur Tons/Yr:	4.624778615

SULFUR RECOVERY PLANT (Continued) **U001566261**

Particulate Matter Tons/Yr: 33.035795182
Part. Matter 10 Micrometers and Smllr Tons/Yr: 30.828611592

Name: TESORO REFINING AND MARKETING CO, LLC
Address: 23208 S ALAMEDA ST
City,State,Zip: CARSON, CA 90810
Year: 2020
County Code: 19
Air Basin: SC
Facility ID: 151798
Air District Name: SC
SIC Code: 2911
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 32.994206571
Reactive Organic Gases Tons/Yr: 25.44332266
Carbon Monoxide Emissions Tons/Yr: 141.96
NOX - Oxides of Nitrogen Tons/Yr: 47.16
SOX - Oxides of Sulphur Tons/Yr: 7.993444
Particulate Matter Tons/Yr: 29.4323217
Part. Matter 10 Micrometers and Smllr Tons/Yr: 27.14448107

HWP:
EPA ID: CAT000646331
Name: TESORO REFINING & MARKETING COMPANY-SULFUR RECOVERY PLANT
Address: 23208 S ALAMEDA ST
Cleanup Status: CLOSED
Latitude: 33.81398
Longitude: -118.2311
Facility Type: Historical - Non-Operating
Facility Size: Not reported
Supervisor: Not reported
Site Code: N/A
Senate District: 35
Assembly District: 64
Public Information Officer: Not reported
Commercial Offsite Facility Types: Not reported
Quarterly Update: This facility is also known as Texaco USA/Equilon Enterprises LLC. Files are very limited for this site. Original Part A & ISD could not be found in files. However, per inspection reports, facility submitted Part A application on November 1980. On 3/30/81, ISD was issued. Facility units consisted of two storage tanks: Tank 602 and Tank 7506. Tank 602 stored Spent Stretford Solution and Tank 7506 stored Stretford Wastewater solution. In the Part A & ISD, there may also have been a container storage unit as well. However, this can't be confirmed. The two storage tanks were verified closed on 3/6/90. There were no corrective action related files found in files. It is likely no Corrective Action was conducted after facility obtained clean closure.
Project Manager Lead: Not reported
Project Manager: Not reported
Permit Type: RCRA
Permit Effective Date: Not reported
Permit Expiration Date: Not reported
Calenviroscreen Score: NA
Total Planned Hours: Not reported

SULFUR RECOVERY PLANT (Continued) **U001566261**

Total Planned Amount: Not reported
Total Actual Hours: Not reported

Activities:

EPA ID: CAT000646331
Facility Type: Historical - Non-Operating
Facility Name: TESORO REFINING & MARKETING COMPANY-SULFUR RECOVERY PLANT
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Status: CLOSED
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1989-02-23 00:00:00
Type: RCRA
Title Description: Imported 12/2011:PERMIT1
Due Date: Not reported
Comments: INTENDS/CLOSED ALL WASTE HANDLING FACILITY, INTENDS/CLOSED ALL WASTE HANDLING FACILITY, Approved Request
Unit Names: Not reported
Event Description: New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST ACKNOWLEDGED
Actual Date: 02/23/1989

EPA ID: CAT000646331
Facility Type: Historical - Non-Operating
Facility Name: TESORO REFINING & MARKETING COMPANY-SULFUR RECOVERY PLANT
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Status: CLOSED
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1989-02-23 00:00:00
Type: RCRA
Title Description: Imported 12/2011:PERMIT1
Due Date: Not reported
Comments: INTENDS/CLOSED ALL WASTE HANDLING FACILITY, INTENDS/CLOSED ALL WASTE HANDLING FACILITY, Approved Request
Unit Names: Not reported
Event Description: New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST RECEIVED
Actual Date: 08/03/1984

EPA ID: CAT000646331
Facility Type: Historical - Non-Operating
Facility Name: TESORO REFINING & MARKETING COMPANY-SULFUR RECOVERY PLANT
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Status: CLOSED
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1989-02-23 00:00:00
Type: RCRA
Title Description: Imported 12/2011:PERMIT1
Due Date: Not reported

SULFUR RECOVERY PLANT (Continued) **U001566261**

Comments: Per inspection report
Unit Names: Not reported
Event Description: New Operating Permit - APPLICATION PART A RECEIVED
Actual Date: 11/01/1980

EPA ID: CAT000646331
Facility Type: Historical - Non-Operating
Facility Name: TESORO REFINING & MARKETING COMPANY-SULFUR RECOVERY PLANT
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Status: CLOSED
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1989-02-23 00:00:00
Type: RCRA
Title Description: Imported 12/2011:PERMIT1
Due Date: Not reported
Comments: Not reported
Unit Names: Not reported
Event Description: New Operating Permit - CALL-IN LETTER ISSUED
Actual Date: 11/06/1985

Closure:
EPA ID: CAT000646331
Facility Type: Historical - Non-Operating
Facility Name: TESORO REFINING & MARKETING COMPANY-SULFUR RECOVERY PLANT
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Size: Not reported
Facility Status: CLOSED
Activity Type: Closure Final
Final Date: Not reported
Type: RCRA
Title Description: Closure
Due Date: Not reported
Comments: Closure verified.
Unit Names: TANKSTR1
Event Description: Closure Final - ISSUE CLOSURE VERIFICATION
Actual Date: 03/06/1990

EPA ID: CAT000646331
Facility Type: Historical - Non-Operating
Facility Name: TESORO REFINING & MARKETING COMPANY-SULFUR RECOVERY PLANT
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Size: Not reported
Facility Status: CLOSED
Activity Type: Closure Final
Final Date: Not reported
Type: RCRA
Title Description: Closure
Due Date: Not reported
Comments: Closure certification submitted

SULFUR RECOVERY PLANT (Continued) **U001566261**

Unit Names: TANKSTR1
Event Description: Closure Final - RECEIVE CLOSURE CERTIFICATION
Actual Date: 12/05/1989

Alias:
EPA ID: CAT000646331
Facility Type: Historical - Non-Operating
Facility Name: TESORO REFINING & MARKETING COMPANY-SULFUR RECOVERY PLANT
Facility Status: CLOSED
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Alias Type: FRS
Alias: 110000746667

EPA ID: CAT000646331
Facility Type: Historical - Non-Operating
Facility Name: TESORO REFINING & MARKETING COMPANY-SULFUR RECOVERY PLANT
Facility Status: CLOSED
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Alias Type: Project Code (Site Code)
Alias: N/A

HAZNET:
Name: TESORO SOCAL PIPELINE CO, LLC
Address: 23208 S ALAMEDA ST
Address 2: Not reported
City,State,Zip: CARSON, CA 908101919
Contact: STEPHEN D. COMLEY
Telephone: 5627282265
Mailing Name: Not reported
Mailing Address: 5905 N PARAMOUNT BLVD

Year: 2016
Gepaid: CAC002858863
TSD EPA ID: AZD081705402
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.475

CERS:
Name: TESORO REFINING AND MARKETING CO
Address: 23208 S ALAMEDA ST
City,State,Zip: CARSON, CA 90810
Site ID: 403656
CERS ID: 10263403
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 403656
Site Name: TESORO REFINING AND MARKETING CO

SULFUR RECOVERY PLANT (Continued) **U001566261**

Violation Date:	09-26-2017
Citation:	22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description:	Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.
Violation Notes:	Returned to compliance on 10/10/2017. OBSERVATION: Uniform Hazardous Waste Manifests for the waste sludge, used oil, waste aerosols, waste absorbent, and other HW solids were not available at the time of inspection. CORRECTIVE ACTION: Locate a copy of all manifests for waste sludge, used oil, waste aerosols, waste absorbent, and other HW solids and submit copies to the CUPA.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	403656
Site Name:	TESORO REFINING AND MARKETING CO
Violation Date:	09-26-2017
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 10/10/2017. OBSERVATION: Owner/Operator failed to adequately label hazardous materials. Observed more than twenty empty drums (55 gallons each) stored at the "haz-pad" area without an "EMPTY" label and date the drum was emptied. CORRECTIVE ACTION: Hazardous materials that are mislabeled or not adequately labeled must be properly labeled within 10 days or be managed as a hazardous waste. 22 CCR11 66261.2(f)
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	403656
Site Name:	TESORO REFINING AND MARKETING CO
Violation Date:	09-26-2017
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	Failure to implement the SPCC Plan.
Violation Notes:	Returned to compliance on 09/27/2017. OBSERVATION: Failure to implement SPCC. Observed no SPCC plan on site for review. CORRECTIVE ACTION: Implement SPCC.
Violation Division:	Los Angeles County Fire Department
Violation Program:	APSA
Violation Source:	CERS,
Site ID:	403656
Site Name:	TESORO REFINING AND MARKETING CO
Violation Date:	07-28-2021
Citation:	HSC 6.67 25270.6(a)(1), 25270.6(a)(2) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.6(a)(1), 25270.6(a)(2)
Violation Description:	Failure to submit a tank facility statement on or before January 1 annually unless a current Business Plan has been submitted.
Violation Notes:	Returned to compliance on 09/08/2021. OBSERVATION: Failure to submit an accurate Tank Facility Statement or Business Plan. -Aboveground

SULFUR RECOVERY PLANT (Continued) **U001566261**

Petroleum Storage Act (APSA) Tank Storage Statement dated 2/17/21 lists tanks #507, 1025, 1026, 1027, 1028, 1029, 1030 -SPCC plan dated December 2018 only lists tanks #1025, 2006 for Sulfur Recovery Plant CORRECTIVE ACTION: Submit an accurate Tank Facility Statement or Business Plan. -Review APSA tank facility statement & SPCC plan inventory and update as needed.
Violation Division: Los Angeles County Fire Department
Violation Program: APSA
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-27-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: CalARP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 09-08-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Follow-up review conducted for NOV dated 7/28/21.
Eval Division: Los Angeles County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-27-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-28-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Nathaniel Busch, Environmental Specialist
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-28-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Nathaniel Busch, Environmental Specialist
Eval Division: Los Angeles County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection

SULFUR RECOVERY PLANT (Continued) **U001566261**

Eval Date: 09-26-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Steven D. Tate, Environmental Specialist. Richard Koza, Shift Supervisor.
Eval Division: Los Angeles County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-17-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Jocelyn Ching
Eval Division: Los Angeles County Fire Department
Eval Program: CalARP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-28-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Nathaniel Busch, Environmental Specialist
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 12-07-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed emailed documented proof of complaince. NOV abated.
Eval Division: Los Angeles County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-30-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-30-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspected by R. Doom
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-26-2017
Violations Found: Yes

SULFUR RECOVERY PLANT (Continued) **U001566261**

Eval Type: Routine done by local agency
Eval Notes: Steven D. Tate, Environmental Specialist. Richard Koza, Shift Supervisor.
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-17-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Jocelyn Ching
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 12-07-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed emailed documented and photographic proof of complaince. NOV abated.
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Coordinates:
Site ID: 403656
Facility Name: TESORO REFINING AND MARKETING CO
Env Int Type Code: APSA
Program ID: 10263403
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 33.813990
Longitude: -118.231170

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Los Angeles County Fire
Entity Title: Not reported
Affiliation Address: 5825 Rickenbacker Road
Affiliation City: Commerce
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90040-3027
Affiliation Phone: (323) 890-4000,

Affiliation Type Desc: Identification Signer
Entity Name: DENIS KURT
Entity Title: SENIOR MANAGER, EH&S
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

SULFUR RECOVERY PLANT (Continued) **U001566261**

Affiliation Type Desc:	Property Owner
Entity Name:	TESORO REFINING & MARKETING COMPANY LLC
Entity Title:	Not reported
Affiliation Address:	C/O 2350 E. 223rd St.,
Affiliation City:	Carson
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90810
Affiliation Phone:	(310) 522-6000,

Affiliation Type Desc:	Operator
Entity Name:	TESORO - SULFUR RECOVERY PLANT (SRP)
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(310) 522-6000,

Affiliation Type Desc:	Parent Corporation
Entity Name:	TESORO REFINING AND MARKETING CO
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Legal Owner
Entity Name:	Tesoro Refining & Marketing Company LLC
Entity Title:	Not reported
Affiliation Address:	2350 E. 223rd St. -- Attn: Gemma Cortes-Fernandez
Affiliation City:	Carson
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90810
Affiliation Phone:	(310) 522-6000,

Affiliation Type Desc:	Document Preparer
Entity Name:	Gemma Cortes-Fernandez
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	2350 E. 223rd St., - Attn: Gemma Cortes-Fernandez
Affiliation City:	Carson
Affiliation State:	CA
Affiliation Country:	Not reported

SULFUR RECOVERY PLANT (Continued) **U001566261**

Affiliation Zip: 90810
Affiliation Phone: ,

Name: TESORO SULFUR RECOVERY PLANT
Address: 23208 S ALAMEDA STEET
City,State,Zip: CARSON, CA 90810
Site ID: 160431
CERS ID: 90810TXCRF23208
CERS Description: Toxic Release Inventory

Affiliation:
Affiliation Type Desc: Public Contact
Entity Name: James Jeter
Entity Title: Not reported
Affiliation Address: 2101 E PACIFIC COAST HIGHWAY
Affiliation City: WILMINGTON
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90810
Affiliation Phone: 3105226148,

Affiliation Type Desc: Parent Company
Entity Name: Tesoro Corp
Entity Title: Not reported
Affiliation Address: 2101 E PACIFIC COAST HIGHWAY
Affiliation City: WILMINGTON
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90810
Affiliation Phone: ,

Affiliation Type Desc: Technical Contact
Entity Name: LUCINA LOPEZ
Entity Title: Not reported
Affiliation Address: 2101 E PACIFIC COAST HIGHWAY
Affiliation City: WILMINGTON
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90810
Affiliation Phone: 3105224933,

Affiliation Type Desc: Company Official
Entity Name: james jeter
Entity Title: Manager, Environmental, Health and Safety
Affiliation Address: 2101 E PACIFIC COAST HIGHWAY
Affiliation City: WILMINGTON
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90810
Affiliation Phone: ,

HWTS:
Name: TESORO SOCAL PIPELINE CO, LLC
Address: 23208 S ALAMEDA ST
Address 2: Not reported

SULFUR RECOVERY PLANT (Continued) **U001566261**

City,State,Zip:	CARSON, CA 90810
EPA ID:	CAC002858863
Inactive Date:	07/30/2016
Create Date:	04/29/2016
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	5905 N PARAMOUNT BLVD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	LONG BEACH, CA 908053709
Owner Name:	TESORO SOCAL PIPELINE CO., LLC
Owner Address:	5905 N PARAMOUNT BLVD
Owner Address 2:	Not reported
Owner City,State,Zip:	LONG BEACH, CA 908053709
Contact Name:	STEPHEN D. COMLEY
Contact Address:	5905 N PARAMOUNT BLVD
Contact Address 2:	Not reported
City,State,Zip:	LONG BEACH, CA 908053709
Facility Status:	Inactive
Facility Type:	TEMPORARY
Category:	STATE
Latitude:	33.814051
Longitude:	-118.232241

NAICS:

EPA ID:	CAC002858863
Create Date:	2016-04-29 09:43:57.680
NAICS Code:	48691
NAICS Description:	Pipeline Transportation of Refined Petroleum Products
Issued EPA ID Date:	2016-04-29 09:43:57.70300
Inactive Date:	2016-07-30 03:00:23.24000
Facility Name:	TESORO SOCAL PIPELINE CO, LLC
Facility Address:	23208 S ALAMEDA ST
Facility Address 2:	Not reported
Facility City:	CARSON
Facility County:	Not reported
Facility State:	CA
Facility Zip:	908101919

31
NNE
1/8-1/4
0.226 mi.
1195 ft.

CARLOS AND DIANA CARREJO **RCRA NonGen / NLR** **1024762653**
2002 WEST ARLINGTON STREET **CAC002982515**
LONG BEACH, CA 90810

Relative:
Higher

Actual:
28 ft.

RCRA Listings:

Date Form Received by Agency:	20180928
Handler Name:	Carlos And Diana Carrejo
Handler Address:	2002 WEST ARLINGTON STREET
Handler City,State,Zip:	LONG BEACH, CA 90810-2107
EPA ID:	CAC002982515
Contact Name:	CARLOS AND DIANA CARREJO
Contact Address:	35621 SUZETTE COURT
Contact City,State,Zip:	WINCHESTER, CA 92596-8566
Contact Telephone:	562-619-5405
Contact Fax:	Not reported
Contact Email:	STEPHANIECRUZ@ALLIANCE-ENVIRO.COM
Contact Title:	Not reported

CARLOS AND DIANA CARREJO (Continued) **1024762653**

EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	35621 SUZETTE COURT
Mailing City,State,Zip:	WINCHESTER, CA 92596-8566
Owner Name:	Carlos And Diana Carrejo
Owner Type:	Other
Operator Name:	Carlos And Diana Carrejo
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20181001
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

CARLOS AND DIANA CARREJO (Continued) **1024762653**

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: CARLOS AND DIANA CARREJO
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 35621 SUZETTE COURT
Owner/Operator City,State,Zip: WINCHESTER, CA 92596-8566
Owner/Operator Telephone: 562-619-5405
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: CARLOS AND DIANA CARREJO
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 35621 SUZETTE COURT
Owner/Operator City,State,Zip: WINCHESTER, CA 92596-8566
Owner/Operator Telephone: 562-619-5405
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20180928
Handler Name: CARLOS AND DIANA CARREJO
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

D32 **TESORO SULFUR RECOVERY PLANT** **PFAS ECHO** **1027427664**
NW **33.81403/-118.23127** **N/A**
1/8-1/4 **LONG BEACH, CA**
0.229 mi.
1211 ft. **Site 6 of 6 in cluster D**

Relative:
Higher

Actual:
23 ft.

PFAS ECHO:

Name:	TESORO SULFUR RECOVERY PLANT
Address:	33.81403/-118.23127
City,State,Zip:	LONG BEACH, CA
Latitude:	33.81403
Longitude:	-118.23127
Count:	-1
County:	LOS ANGELES
Status:	Active
Region:	09
Industry:	Petroleum
ECHO Facility Report:	https://echo.epa.gov/detailed-facility-report?fid=110000746667
Facility Percent Minority:	90.465
Facility Derived Tribes:	Not reported
Facility Population:	6638.01
EJSCREEN Flag US:	N
EJSCREEN Report:	https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-118.23127,%22y%22:33.81403,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&unit=9035&areatype=&areaid=&basemap=streets&distance=1
EPA Programs:	CAA; CWA; RCRA
Federal Facility:	No
Federal Agency:	Not reported
Facility FIPS Code:	06037
Facility Indian Country Flag:	N
Facility Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Facility Derived HUC:	18070104
Facility Derived WBD:	180701060102
Facility Derived CD113:	44
Facility Derived CB2010:	060379800021061
Facility Major Flag:	Y
Facility Active Flag:	Y
Facility Inspection Count:	5
Facility Date Last Inspection:	9/4/2020
Facility Days Last Inspection:	484
Facility Informal Count:	0
Facility Date Last Informal Action:	7/19/2004
Facility Formal Action Count:	0
Facility Date Last Formal Action:	5/13/2003
Facility Total Penalties:	0
Facility Penalty Count:	Not reported
Facility Date Last Penalty:	5/13/2003
Facility Last Penalty AMT:	100,000
Facility QTRS With NC:	0
Facility Programs With SNC:	0
Facility Compliance Status:	No Violation Identified
Facility SNC Flag:	N
AIR Flag:	Y
NPDES Flag:	Y
SDWIS Flag:	N
RCRA Flag:	Y
TRI Flag:	N
GHG Flag:	Y
AIR IDS:	CASCA0000603700081

TESORO SULFUR RECOVERY PLANT (Continued) **1027427664**

CAA Permit Types:	Major Emissions
CAA NAICS:	325188
CAA SICS:	2819
NPDES IDS:	CA0002020
CWA Permit Types:	Minor
CWA NAICS:	Not reported
CWA SICS:	2999
RCRA IDS:	CAT000646331
RCRA Permit Types:	LQG
RCRA NAICS:	32518
SDWA IDS:	Not reported
SDWA System Types:	Not reported
SDWA Compliance Status:	Not reported
SDWA SNC Flag:	N
TRI IDS:	Not reported
TRI Releases Transfers:	Not reported
TRI On Site Releases:	Not reported
TRI Off Site Transfers:	Not reported
TRI Reporter:	Not reported
Facility IMP Water Flag:	Y
Name:	TESORO SULFUR RECOVERY PLANT
Address:	33.81403/-118.23127
City,State,Zip:	LONG BEACH, CA
Latitude:	33.81403
Longitude:	-118.23127
Count:	-1
County:	LOS ANGELES
Status:	Active
Region:	09
Industry:	Chemical Mfg
ECHO Facility Report:	https://echo.epa.gov/detailed-facility-report?fid=110000746667
Facility Percent Minority:	90.465
Facility Derived Tribes:	Not reported
Facility Population:	6638.01
EJSCREEN Flag US:	N
EJSCREEN Report:	https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-118.23127,%22y%22:33.81403,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&unit=9035&areatype=&areaid=&basemap=streets&distance=1
EPA Programs:	CAA; CWA; RCRA
Federal Facility:	No
Federal Agency:	Not reported
Facility FIPS Code:	06037
Facility Indian Country Flag:	N
Facility Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Facility Derived HUC:	18070104
Facility Derived WBD:	180701060102
Facility Derived CD113:	44
Facility Derived CB2010:	060379800021061
Facility Major Flag:	Y
Facility Active Flag:	Y
Facility Inspection Count:	5
Facility Date Last Inspection:	9/4/2020
Facility Days Last Inspection:	484
Facility Informal Count:	0
Facility Date Last Informal Action:	7/19/2004
Facility Formal Action Count:	0

TESORO SULFUR RECOVERY PLANT (Continued) **1027427664**

Facility Date Last Formal Action:	5/13/2003
Facility Total Penalties:	0
Facility Penalty Count:	Not reported
Facility Date Last Penalty:	5/13/2003
Facility Last Penalty AMT:	100,000
Facility QTRS With NC:	0
Facility Programs With SNC:	0
Facility Compliance Status:	No Violation Identified
Facility SNC Flag:	N
AIR Flag:	Y
NPDES Flag:	Y
SDWIS Flag:	N
RCRA Flag:	Y
TRI Flag:	N
GHG Flag:	Y
AIR IDS:	CASCA0000603700081
CAA Permit Types:	Major Emissions
CAA NAICS:	325188
CAA SICS:	2819
NPDES IDS:	CA0002020
CWA Permit Types:	Minor
CWA NAICS:	Not reported
CWA SICS:	2999
RCRA IDS:	CAT000646331
RCRA Permit Types:	LQG
RCRA NAICS:	32518
SDWA IDS:	Not reported
SDWA System Types:	Not reported
SDWA Compliance Status:	Not reported
SDWA SNC Flag:	N
TRI IDS:	Not reported
TRI Releases Transfers:	Not reported
TRI On Site Releases:	Not reported
TRI Off Site Transfers:	Not reported
TRI Reporter:	Not reported
Facility IMP Water Flag:	Y

33
SSW
1/8-1/4
0.243 mi.
1283 ft.

ARCO - CARSON TERMINAL **CPS-SLIC** **S104404955**
2149 SEPULVEDA **N/A**
CARSON, CA 90810

Relative:
Higher

Actual:
42 ft.

SLIC REG 4:

Region:	4
Facility Status:	Inactive
SLIC:	0225
Substance:	TPH
Staff:	PC

E34 SYLVESTER HARRIS **RCRA NonGen / NLR** **1027453097**
NNE 2336 W. WARDLOW RD **CAC003191116**
1/8-1/4 LONG BEACH, CA 90810
0.243 mi.
1284 ft. **Site 1 of 2 in cluster E**

Relative: Higher

Actual: 24 ft.

RCRA Listings:

Date Form Received by Agency:	20220822
Handler Name:	Sylvester Harris
Handler Address:	2336 W. WARDLOW RD
Handler City,State,Zip:	LONG BEACH, CA 90810
EPA ID:	CAC003191116
Contact Name:	SYLVESTER HARRIS
Contact Address:	19011 SABRINA AVE
Contact City,State,Zip:	CERRITOS, CA 90703
Contact Telephone:	562-991-5434
Contact Fax:	Not reported
Contact Email:	MKUPRTZ50@VERIZON.NET
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	19011 SABRINA AVE
Mailing City,State,Zip:	CERRITOS, CA 90703
Owner Name:	Sylvester Harris
Owner Type:	Other
Operator Name:	Sylvester Harris
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No

SYLVESTER HARRIS (Continued) **1027453097**

Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20220822
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: SYLVESTER HARRIS	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	19011 SABRINA AVE
Owner/Operator City,State,Zip:	CERRITOS, CA 90703
Owner/Operator Telephone:	562-991-5434
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: SYLVESTER HARRIS	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	19011 SABRINA AVE
Owner/Operator City,State,Zip:	CERRITOS, CA 90703
Owner/Operator Telephone:	562-991-5434
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20220822
Handler Name: SYLVESTER HARRIS	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

SYLVESTER HARRIS (Continued) **1027453097**

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

E35 NNE 1/8-1/4 0.243 mi. 1284 ft. **SYLVESTER HARRIS** **RCRA NonGen / NLR** **1027204298**
2336 W WARDLOW RD #B **CAC003168309**
LONG BEACH, CA 90810

Site 2 of 2 in cluster E

Relative: Higher
Actual: 24 ft.

RCRA Listings:

Date Form Received by Agency:	20220328
Handler Name:	Sylvester Harris
Handler Address:	2336 W WARDLOW RD #B
Handler City,State,Zip:	LONG BEACH, CA 90810
EPA ID:	CAC003168309
Contact Name:	SYLVESTER HARRIS
Contact Address:	19011 SABRINA AVE
Contact City,State,Zip:	CERRITOS, CA 90703
Contact Telephone:	562-991-5434
Contact Fax:	Not reported
Contact Email:	MKUPRTZ50@VERIZON.NET
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	19011 SABRINA AVE
Mailing City,State,Zip:	CERRITOS, CA 90703
Owner Name:	Sylvester Harris
Owner Type:	Other
Operator Name:	Sylvester Harris
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No

SYLVESTER HARRIS (Continued) **1027204298**

Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20220328
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: SYLVESTER HARRIS	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	19011 SABRINA AVE
Owner/Operator City,State,Zip:	CERRITOS, CA 90703
Owner/Operator Telephone:	562-991-5434
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: SYLVESTER HARRIS	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	19011 SABRINA AVE
Owner/Operator City,State,Zip:	CERRITOS, CA 90703
Owner/Operator Telephone:	562-991-5434
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

SYLVESTER HARRIS (Continued) **1027204298**

Historic Generators:
Receive Date: 20220328
Handler Name: SYLVESTER HARRIS
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

36
ENE
1/8-1/4
0.249 mi.
1315 ft.

AMERICAN GOLD STAR MANOR APTS #96
3020 N GOLD STAR DR
LONG BEACH, CA 90810

RCRA NonGen / NLR **1027215141**
CAC003179818

Relative:
Higher

Actual:
24 ft.

RCRA Listings:
Date Form Received by Agency: 20220607
Handler Name: American Gold Star Manor Apts #96
Handler Address: 3020 N GOLD STAR DR
Handler City,State,Zip: LONG BEACH, CA 90810
EPA ID: CAC003179818
Contact Name: GLEN PATRICK
Contact Address: 3021 N GOLD STAR DR
Contact City,State,Zip: LONG BEACH, CA 90810
Contact Telephone: 562-426-7651
Contact Fax: Not reported
Contact Email: GPATRICK@GOLDSTARMANOR.ORG
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Not reported
State District Owner: Not reported
State District: Not reported
Mailing Address: 3021 N GOLD STAR DR
Mailing City,State,Zip: LONG BEACH, CA 90810
Owner Name: Agsm Renovation Lp

AMERICAN GOLD STAR MANOR APTS #96 (Continued) **1027215141**

Owner Type:	Other
Operator Name:	Glen Patrick
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20220607
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: GLEN PATRICK	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	3021 N GOLD STAR DR
Owner/Operator City,State,Zip:	LONG BEACH, CA 90810
Owner/Operator Telephone:	562-426-7651
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

AMERICAN GOLD STAR MANOR APTS #96 (Continued) **1027215141**

Owner/Operator Indicator: Owner
Owner/Operator Name: AGSM RENOVATION LP
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 3021 N GOLD STAR DR
Owner/Operator City,State,Zip: LONG BEACH, CA 90810
Owner/Operator Telephone: 562-426-7651
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20220607
Handler Name: AMERICAN GOLD STAR MANOR APTS #96
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

F37 **WATSON CARBON & CHEMICAL COMPANY** **ENVIROSTOR** **S101480635**
SW **2021 EAST SEPULVEDA BOULEVARD** **N/A**
1/4-1/2 **LONG BEACH, CA 90810**
0.254 mi.
1341 ft. **Site 1 of 2 in cluster F**

Relative: Higher
Actual: 29 ft.

ENVIROSTOR:
Name: WATSON CARBON & CHEMICAL COMPANY
Address: 2021 EAST SEPULVEDA BOULEVARD
City,State,Zip: LONG BEACH, CA 90810
Facility ID: 19280751
Status: Refer: Other Agency
Status Date: 06/30/1985
Site Code: Not reported
Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED

WATSON CARBON & CHEMICAL COMPANY (Continued) **S101480635**

Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Cypress
Assembly: 64
Senate: 35
Special Program: * Site Char & Assess Grant (CERCLA 104)
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.80694
Longitude: -118.2316
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: * UNSPECIFIED AQUEOUS SOLUTION
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: ARCO REFINERY
Alias Type: Alternate Name
Alias Name: INDUSTRIAL POLYCHEMICAL
Alias Type: Alternate Name
Alias Name: MARTIN MARIETTA INC
Alias Type: Alternate Name
Alias Name: SUBSIDIARY OF HARVEY ALUMINUM
Alias Type: Alternate Name
Alias Name: CAD067748285
Alias Type: EPA Identification Number
Alias Name: 19280751
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 06/30/1985
Comments: PRELIM ASSESS DONE CERCLA 104

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 08/03/1982
Comments: FACILITY IDENTIFIED ID'D FROM PAC TEL BUS DIR 1971 NO CURRENT TELEPHONE LISTING

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

38
WSW
1/4-1/2
0.256 mi.
1354 ft.

HARGROVE
NE OF SEPULVEDA & ALAMEDA
CARSON, CA

WMUDS/SWAT **S103441616**
N/A

Relative:
Lower

Actual:
21 ft.

WMUDS/SWAT:

Edit Date:	Not reported
Complexity:	Not reported
Primary Waste:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Base Meridian:	Not reported
NPID:	Not reported
Tonnage:	0
Regional Board ID:	Not reported
Municipal Solid Waste:	False
Superorder:	False
Open To Public:	False
Waste List:	False
Agency Type:	Not reported
Agency Name:	HARGROVE
Agency Department:	Not reported
Agency Address:	Not reported
Agency City,St,Zip:	Not reported
Agency Contact:	Not reported
Agency Telephone:	Not reported
Land Owner Name:	Not reported
Land Owner Address:	Not reported
Land Owner City,St,Zip:	CA
Land Owner Contact:	Not reported
Land Owner Phone:	Not reported
Region:	4
Facility Type:	Not reported
Facility Description:	Not reported
Facility Telephone:	Not reported
SWAT Facility Name:	Not reported
Primary SIC:	Not reported
Secondary SIC:	Not reported
Comments:	Not reported
Last Facility Editors:	Not reported
Waste Discharge System:	False
Solid Waste Assessment Test Program:	True
Toxic Pits Cleanup Act Program:	False
Resource Conservation Recovery Act:	False
Department of Defence:	False
Solid Waste Assessment Test Program:	HARGROVE
Threat to Water Quality:	Not reported
Sub Chapter 15:	False
Regional Board Project Officer:	LT
Number of WMUDS at Facility:	1
Section Range:	Not reported
RCRA Facility:	Not reported
Waste Discharge Requirements:	Not reported
Self-Monitoring Rept. Frequency:	Not reported
Waste Discharge System ID:	4 190420NUR
Solid Waste Information ID:	Not reported

F39 **ARCO CREDIT UNION** **LUST** **S101295815**
SW **1907 SEPULVEDA BLVD E** **Cortese** **N/A**
1/4-1/2 **CARSON, CA 90810** **HIST CORTESE**
0.260 mi. **CERS**
1375 ft. **Site 2 of 2 in cluster F**

Relative:
Lower

Actual:
19 ft.

LUST:

Name:	ARCO CREDIT UNION
Address:	1907 SEPULVEDA BLVD E
City,State,Zip:	CARSON, CA 90810
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603704294
Global Id:	T0603704294
Latitude:	33.8079196
Longitude:	-118.2344929
Status:	Completed - Case Closed
Status Date:	07/13/2017
Case Worker:	MR
RB Case Number:	I-15338
Local Agency:	LOS ANGELES COUNTY
File Location:	Regional Board
Local Case Number:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0603704294
Contact Type:	Local Agency Caseworker
Contact Name:	JOHN AWUJO
Organization Name:	LOS ANGELES COUNTY
Address:	900 S FREMONT AVE
City:	ALHAMBRA
Email:	jawujo@dpw.lacounty.gov
Phone Number:	6264583507

Global Id:	T0603704294
Contact Type:	Regional Board Caseworker
Contact Name:	Maryam Renard
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	LOS ANGELES
Email:	maryam.renard@waterboards.ca.gov
Phone Number:	2135766699

LUST:

Global Id:	T0603704294
Action Type:	ENFORCEMENT
Date:	04/01/2009
Action:	Staff Letter

Global Id:	T0603704294
Action Type:	ENFORCEMENT
Date:	10/17/2016
Action:	Staff Letter

Global Id:	T0603704294
Action Type:	RESPONSE

ARCO CREDIT UNION (Continued) **S101295815**

Date: 06/24/2016
Action: Soil and Water Investigation Workplan

Global Id: T0603704294
Action Type: ENFORCEMENT
Date: 08/22/2013
Action: Staff Letter

Global Id: T0603704294
Action Type: RESPONSE
Date: 10/23/2013
Action: Other Report / Document

Global Id: T0603704294
Action Type: Other
Date: 03/13/1990
Action: Leak Reported

Global Id: T0603704294
Action Type: RESPONSE
Date: 09/22/2016
Action: Soil and Water Investigation Workplan - Regulator Responded

Global Id: T0603704294
Action Type: ENFORCEMENT
Date: 05/24/2016
Action: Staff Letter

Global Id: T0603704294
Action Type: ENFORCEMENT
Date: 05/10/2017
Action: Notification - Preclosure

Global Id: T0603704294
Action Type: ENFORCEMENT
Date: 07/13/2017
Action: Closure/No Further Action Letter

Global Id: T0603704294
Action Type: RESPONSE
Date: 05/01/2009
Action: Other Report / Document

Global Id: T0603704294
Action Type: RESPONSE
Date: 01/15/2017
Action: Soil and Water Investigation Report

LUST:
Global Id: T0603704294
Status: Open - Case Begin Date
Status Date: 03/13/1990

Global Id: T0603704294
Status: Open - Site Assessment
Status Date: 03/13/1990

ARCO CREDIT UNION (Continued) **S101295815**

Global Id: T0603704294
Status: Completed - Case Closed
Status Date: 07/13/2017

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	I-15338	
Status:	Leak being confirmed	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603704294	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19000	
Cross Street:	Not reported	
Enforcement Type:	Not reported	
Date Leak Discovered:	Not reported	
Date Leak First Reported:		3/13/1990
Date Leak Record Entered:	5/13/1990	
Date Confirmation Began:	3/13/1990	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		5/10/1993
Date the Case was Closed:		Not reported
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	Not reported	
Leak Source:	Not reported	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		6718.896029342772393185808843 8
Source of Cleanup Funding:		F
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	ARCO CREDIT UNION	
RP Address:	1801 E SEPULVEDA BLVD, CARSON, CA 90749	
Program:	LUST	
Lat/Long:	33.8079196 / -1	

ARCO CREDIT UNION (Continued) **S101295815**

Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

CORTESE:
Name: ARCO CREDIT UNION
Address: 1907 SEPULVEDA BLVD E
City,State,Zip: CARSON, CA 90810
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0603704294
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

HIST CORTESE:
edr_fname: ARCO CREDIT UNION
edr_fadd1: 1907 SEPULVEDA
City,State,Zip: CARSON, CA 90749
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: I-15338

CERS:
Name: ARCO CREDIT UNION
Address: 1907 SEPULVEDA BLVD E
City,State,Zip: CARSON, CA 90810
Site ID: 218143
CERS ID: T0603704294
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: Maryam Renard - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4TH ST., SUITE 200

ARCO CREDIT UNION (Continued) **S101295815**

Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	2135766699,
Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	JOHN AWUJO - LOS ANGELES COUNTY
Entity Title:	Not reported
Affiliation Address:	900 S FREMONT AVE
Affiliation City:	ALHAMBRA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	6264583507,

40
North
1/4-1/2
0.263 mi.
1391 ft.

HARDWICK'S DISPOSAL PIT **LOS ANGELES CO LF METHANE** **S127127991**
N/A

, CA

Relative:
Higher

Actual:
28 ft.

LOS ANGELES CO LF METHANE:

Name:	HARDWICK'S DISPOSAL PIT
Address:	Not reported
City,State,Zip:	CA
Site Number:	1956
Status:	Not reported
Description:	Not reported
Operator Name:	Not reported
Operator Telephone:	Not reported
Sup District:	Not reported
Shape Length:	Not reported
Shape Area:	Not reported
Latitude:	Not reported
Longitude:	Not reported

41
NW
1/4-1/2
0.264 mi.
1396 ft.

TEXACO **Notify 65** **S100178415**
232000 S. ALAMEDA **N/A**
CARSON, CA

Relative:
Higher

Actual:
23 ft.

NOTIFY 65:

Name:	TEXACO
Address:	232000 S. ALAMEDA
City,State,Zip:	CARSON, CA
Date Reported:	Not reported
Staff Initials:	Not reported
Board File Number:	Not reported
Facility Type:	Not reported
Discharge Date:	Not reported
Issue Date:	Not reported
Incident Description:	Not reported
Global ID:	Not reported

TEXACO (Continued) **S100178415**

Status: Not reported

G42 **MATLACK, INC.** **ENVIROSTOR** **S103953325**
North **22422 S. ALAMEDA** **SWEEPS UST** **N/A**
1/4-1/2 **LONG BEACH, CA 90810**
0.281 mi.
1483 ft. **Site 1 of 2 in cluster G**

Relative:
Higher

Actual:
27 ft.

ENVIROSTOR:

Name:	MATLACK, INC.
Address:	22422 S. ALAMEDA
City,State,Zip:	LONG BEACH, CA 90810
Facility ID:	71002109
Status:	Refer: Other Agency
Status Date:	Not reported
Site Code:	Not reported
Site Type:	Tiered Permit
Site Type Detailed:	Tiered Permit
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Not reported
Division Branch:	Cleanup Chatsworth
Assembly:	64
Senate:	35
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.82265
Longitude:	-118.2284
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CAD000625459
Alias Type:	EPA Identification Number
Alias Name:	71002109
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1 Non-Submittal
Completed Date:	07/21/2000
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported

MATLACK, INC. (Continued) **S103953325**

Schedule Revised Date: Not reported

SWEEPS UST:

Name:	MATLACK INC
Address:	22422 S ALAMEDA
City:	LONG BEACH
Status:	Active
Comp Number:	67287
Number:	9
Board Of Equalization:	44-013678
Referral Date:	07-01-85
Action Date:	Not reported
Created Date:	02-29-88
Owner Tank Id:	1
SWRCB Tank Id:	19-060-067287-000001
Tank Status:	A
Capacity:	6900
Active Date:	07-01-85
Tank Use:	M.V. FUEL
STG:	P
Content:	DIESEL
Number Of Tanks:	6

Name:	MATLACK INC
Address:	22422 S ALAMEDA
City:	LONG BEACH
Status:	Active
Comp Number:	67287
Number:	9
Board Of Equalization:	44-013678
Referral Date:	07-01-85
Action Date:	Not reported
Created Date:	02-29-88
Owner Tank Id:	2
SWRCB Tank Id:	19-060-067287-000002
Tank Status:	A
Capacity:	6900
Active Date:	07-01-85
Tank Use:	M.V. FUEL
STG:	P
Content:	DIESEL
Number Of Tanks:	Not reported

Name:	MATLACK INC
Address:	22422 S ALAMEDA
City:	LONG BEACH
Status:	Active
Comp Number:	67287
Number:	9
Board Of Equalization:	44-013678
Referral Date:	07-01-85
Action Date:	Not reported
Created Date:	02-29-88
Owner Tank Id:	3
SWRCB Tank Id:	19-060-067287-000003
Tank Status:	A
Capacity:	8000

MATLACK, INC. (Continued) **S103953325**

Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

Name: MATLACK INC
Address: 22422 S ALAMEDA
City: LONG BEACH
Status: Active
Comp Number: 67287
Number: 9
Board Of Equalization: 44-013678
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: 4
SWRCB Tank Id: 19-060-067287-000004
Tank Status: A
Capacity: 500
Active Date: 07-01-85
Tank Use: OIL
STG: W
Content: WASTE OIL
Number Of Tanks: Not reported

Name: MATLACK INC
Address: 22422 S ALAMEDA
City: LONG BEACH
Status: Active
Comp Number: 67287
Number: 9
Board Of Equalization: 44-013678
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: 5
SWRCB Tank Id: 19-060-067287-000005
Tank Status: A
Capacity: 5000
Active Date: 07-01-85
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: MATLACK INC
Address: 22422 S ALAMEDA
City: LONG BEACH
Status: Active
Comp Number: 67287
Number: 9
Board Of Equalization: 44-013678
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: 6

MATLACK, INC. (Continued) **S103953325**

SWRCB Tank Id:	19-060-067287-000006
Tank Status:	A
Capacity:	5000
Active Date:	07-01-85
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

G43 **MATLACK INC** **LUST** **S104406546**
North **22422 ALAMEDA BLVD S** **Cortese** **N/A**
1/4-1/2 **CARSON, CA 90810** **CERS**
0.284 mi.
1498 ft. **Site 2 of 2 in cluster G**

Relative:
Higher

Actual:
27 ft.

LUST:

Name:	MATLACK INC
Address:	22422 ALAMEDA BLVD S
City,State,Zip:	CARSON, CA 90810
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603702673
Global Id:	T0603702673
Latitude:	33.822669
Longitude:	-118.228485
Status:	Completed - Case Closed
Status Date:	06/26/1996
Case Worker:	YR
RB Case Number:	I-00124
Local Agency:	LOS ANGELES COUNTY
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

LUST:

Global Id:	T0603702673
Contact Type:	Local Agency Caseworker
Contact Name:	JOHN AWUJO
Organization Name:	LOS ANGELES COUNTY
Address:	900 S FREMONT AVE
City:	ALHAMBRA
Email:	jawujo@dpw.lacounty.gov
Phone Number:	6264583507

Global Id:	T0603702673
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0603702673
Action Type:	Other

MATLACK INC (Continued) **S104406546**

Date: 02/07/1991
Action: Leak Discovery

Global Id: T0603702673
Action Type: ENFORCEMENT
Date: 06/26/1996
Action: Closure/No Further Action Letter

Global Id: T0603702673
Action Type: Other
Date: 08/01/1991
Action: Leak Reported

Global Id: T0603702673
Action Type: Other
Date: 02/07/1991
Action: Leak Stopped

LUST:
Global Id: T0603702673
Status: Open - Case Begin Date
Status Date: 01/29/1991

Global Id: T0603702673
Status: Open - Remediation
Status Date: 01/29/1991

Global Id: T0603702673
Status: Open - Site Assessment
Status Date: 08/01/1991

Global Id: T0603702673
Status: Open - Verification Monitoring
Status Date: 12/22/1994

Global Id: T0603702673
Status: Completed - Case Closed
Status Date: 06/26/1996

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: I-00124
Status: Case Closed
Substance: Diesel
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Excavate and Dispose
Global ID: T0603702673
W Global ID: Not reported
Staff: UNK
Local Agency: 19000
Cross Street: 223RD ST

MATLACK INC (Continued) **S104406546**

Enforcement Type:	Not reported	
Date Leak Discovered:	2/7/1991	
Date Leak First Reported:		8/1/1991
Date Leak Record Entered:	8/24/1991	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	2/7/1991	
Date Case Last Changed on Database:		2/5/2001
Date the Case was Closed:		6/26/1996
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	MC KEE, JOHN J	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		1995.7245293188522295456930427
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		8/1/1991
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		1/29/1991
Post Remedial Action Monitoring Began:		12/22/1994
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	MATLACK INC.	
RP Address:	ONE ROLLINS PLAZA, P.O. BOX 8789, WILMINGTON, DE 19899	
Program:	LUST	
Lat/Long:	33.8228953 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	Not reported	

CORTESE:

Name:	MATLACK INC
Address:	22422 ALAMEDA BLVD S
City,State,Zip:	CARSON, CA 90810
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0603702673
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported

MATLACK INC (Continued) **S104406546**

Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

CERS:

Name:	MATLACK INC
Address:	22422 ALAMEDA BLVD S
City,State,Zip:	CARSON, CA 90810
Site ID:	221178
CERS ID:	T0603702673
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	JOHN AWUJO - LOS ANGELES COUNTY
Entity Title:	Not reported
Affiliation Address:	900 S FREMONT AVE
Affiliation City:	ALHAMBRA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	6264583507,

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	320 W. 4TH ST., SUITE 200
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

H44 **STATE SALVAGE INC** **SWRCY** **U001567256**
NNW **22500 S ALAMEDA ST** **CERS HAZ WASTE** **N/A**
1/4-1/2 **CARSON, CA 91316** **HIST UST**
0.303 mi. **CERS TANKS**
1599 ft. **Site 1 of 3 in cluster H** **NPDES**
PROC
Relative: Higher **CIWQS**
CERS
Actual: 28 ft.

SWRCY:

Name:	CORRIDOR RECYCLING
Address:	22500 S ALAMEDA ST
City,State,Zip:	CARSON, CA 90810
Reg Id:	28066
Cert Id:	RC6764

STATE SALVAGE INC (Continued) **U001567256**

Mailing Address:	22500 S Alameda St
Mailing City:	Long Beach
Mailing State:	CA
Mailing Zip Code:	90810
Website:	Not reported
Email:	gdodson@corridorrecycling.com
Phone Number:	(310) 835-9109
Rural:	N
Operation Begin Date:	12/01/1995
Aluminium:	Y
Glass:	Y
Plastic:	Y
Bimetal:	Y
Hours of Operation:	Mon - Fri 7:00 am - 5:30 pm; Sat 7:30 am - 4:30 pm; Sun Closed
Organization ID:	18863
Organization Name:	Corridor Recycling Inc

CERS HAZ WASTE:

Name:	CORRIDOR RECYCLING
Address:	22500 S ALAMEDA ST
City,State,Zip:	CARSON, CA 90810
Site ID:	390602
CERS ID:	10263799
CERS Description:	Hazardous Waste Generator

HIST UST:

Name:	STATE SALVAGE INC
Address:	22500 S ALAMEDA ST
City,State,Zip:	CARSON, CA 91316
File Number:	00026e18
URL:	https://documents.geotracker.waterboards.ca.gov/ustpdfs/pdf/00026e18.pdf
Region:	STATE
Facility ID:	00000050551
Facility Type:	Other
Other Type:	RECYCLING ALUM. CANS
Contact Name:	Not reported
Telephone:	2137757035
Owner Name:	HILLARD LEWINSON
Owner Address:	5401 ZELZAH AVE.
Owner City,St,Zip:	ENCINO, CA 91316
Total Tanks:	0002
Tank Num:	001
Container Num:	(1)
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	(2)
Year Installed:	1972
Tank Capacity:	00005000
Tank Used for:	PRODUCT

STATE SALVAGE INC (Continued) **U001567256**

Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Click here for Geo Tracker PDF:

CERS TANKS:
Name: CORRIDOR RECYCLING
Address: 22500 S ALAMEDA ST
City,State,Zip: CARSON, CA 90810
Site ID: 390602
CERS ID: 10263799
CERS Description: Aboveground Petroleum Storage

NPDES:
Name: CORRIDOR RECYCLING
Address: 22500 S ALAMEDA ST
City,State,Zip: LONG BEACH, CA 90810
Facility Status: Active
NPDES Number: CAS000001
Region: 4
Agency Number: 0
Regulatory Measure ID: 190738
Place ID: Not reported
Order Number: 97-03-DWQ
WDID: 4 19I014661
Regulatory Measure Type: Enrollee
Program Type: Industrial
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 10/15/1998
Termination Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: 22500 S Alameda St
Discharge Name: Corridor Recycling
Discharge City: Long Beach
Discharge State: California
Discharge Zip: 90810
Status: Not reported
Status Date: Not reported
Operator Name: Not reported
Operator Address: Not reported
Operator City: Not reported
Operator State: Not reported
Operator Zip: Not reported

NPDES as of 03/2018:
NPDES Number: Not reported
Status: Not reported
Agency Number: Not reported
Region: 4
Regulatory Measure ID: 190738
Order Number: Not reported
Regulatory Measure Type: Industrial
Place ID: Not reported
WDID: 4 19I014661
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported

STATE SALVAGE INC (Continued) **U001567256**

Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	10/15/1998
Status:	Active
Status Date:	10/15/1998
Place Size:	3
Place Size Unit:	Acres
Contact:	Gilbert Dodson
Contact Title:	President
Contact Phone:	310-835-9109
Contact Phone Ext:	Not reported
Contact Email:	gdodson@corridorrecycling.com
Operator Name:	Corridor Recycling
Operator Address:	22500 S Alameda St
Operator City:	Long Beach
Operator State:	California
Operator Zip:	90810
Operator Contact:	Gilbert Dodson
Operator Contact Title:	President
Operator Contact Phone:	310-835-9109
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	gdodson@corridorrecycling.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	310-835-9109
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N

STATE SALVAGE INC (Continued) **U001567256**

Receiving Water Name:	Dominguez Channel
Certifier:	Gilbert Dodson
Certifier Title:	President
Certification Date:	23-JUN-15
Primary Sic:	5093-Scrap and Waste Materials
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	190738
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19I014661
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	10/15/1998
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Corridor Recycling
Discharge Address:	22500 S Alameda St
Discharge City:	Long Beach
Discharge State:	California
Discharge Zip:	90810
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported

STATE SALVAGE INC (Continued) **U001567256**

Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	CORRIDOR RECYCLING
Address:	22500 S ALAMEDA ST
City,State,Zip:	LONG BEACH, CA 90810
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	4 19I014661
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	10/15/1998
Operator Name:	Corridor Recycling
Operator Address:	22500 S Alameda St
Operator City:	Long Beach
Operator State:	California
Operator Zip:	90810

STATE SALVAGE INC (Continued) **U001567256**

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	190738
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19I014661
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	10/15/1998
Status:	Active
Status Date:	10/15/1998
Place Size:	3
Place Size Unit:	Acres
Contact:	Gilbert Dodson
Contact Title:	President
Contact Phone:	310-835-9109
Contact Phone Ext:	Not reported
Contact Email:	gdodson@corridorrecycling.com
Operator Name:	Corridor Recycling
Operator Address:	22500 S Alameda St
Operator City:	Long Beach
Operator State:	California
Operator Zip:	90810
Operator Contact:	Gilbert Dodson
Operator Contact Title:	President
Operator Contact Phone:	310-835-9109
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	gdodson@corridorrecycling.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	310-835-9109
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported

STATE SALVAGE INC (Continued) **U001567256**

Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Dominguez Channel
Certifier:	Gilbert Dodson
Certifier Title:	President
Certification Date:	23-JUN-15
Primary Sic:	5093-Scrap and Waste Materials
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	190738
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19I014661
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	10/15/1998
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Corridor Recycling
Discharge Address:	22500 S Alameda St
Discharge City:	Long Beach
Discharge State:	California
Discharge Zip:	90810
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported

STATE SALVAGE INC (Continued) **U001567256**

Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

PROC:

Name:	CORRIDOR RECYCLING
Address:	22500 S ALAMEDA ST
City,State,Zip:	CARSON, CA 90810
Reg Id:	28064
Cert Id:	PR0215
Organization Id:	Not reported
Organization Name:	Corridor Recycling Inc
Mailing Address:	22500 S Alameda St
Mailing City:	Long Beach
Mailing State:	CA
Mailing Zip Code:	90810
Website:	Not reported
Email:	gdodson@corridorrecycling.com
Phone Number:	(310) 835-9109
Rural:	N/A
Operation Begin Date:	12/01/1995

STATE SALVAGE INC (Continued) **U001567256**

Aluminium:	Not reported
Glass:	Not reported
Plastic:	Not reported
Bimetal:	Not reported
Hours of Operation:	Mon - Fri 7:00 am - 5:00 pm; Sat 7:00 am - 4:30 pm; Sun Closed

CIWQS:

Name:	CORRIDOR RECYCLING
Address:	22500 S ALAMEDA ST
City,State,Zip:	LONG BEACH, CA 90810
Agency:	Corridor Recycling
Agency Address:	22500 S Alameda St, Long Beach, CA 90810
Place/Project Type:	Industrial - Scrap and Waste Materials
SIC/NAICS:	5093
Region:	4
Program:	INDSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	4 19I014661
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	10/15/1998
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.82132
Longitude:	-118.22973

Name:	CORRIDOR RECYCLING
Address:	22500 S ALAMEDA ST
City,State,Zip:	LONG BEACH, CA 90810
Agency:	State Salvage
Agency Address:	22500 S Alameda St, Long Beach, CA 90810
Place/Project Type:	Industrial - Secondary Smelting and Refining of Nonferrous Metals
SIC/NAICS:	3341
Region:	4
Program:	INDSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	4 19I002507
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	03/31/1992
Termination Date:	08/18/1999
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0

STATE SALVAGE INC (Continued) **U001567256**

Violations within 5 years: 0
Latitude: 33.82132
Longitude: -118.22973

CERS:
Name: CORRIDOR RECYCLING
Address: 22500 S ALAMEDA ST
City,State,Zip: CARSON, CA 90810
Site ID: 390602
CERS ID: 10263799
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 390602
Site Name: CORRIDOR RECYCLING
Violation Date: 06-13-2019
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 07/29/2019. OBSERVATION: The business failed to electronically submit and certify that the business plan is complete, accurate, and in compliance with EPCRA on or before the annual due date. 2019 California Environmental Reporting System (CERS) submittal was missing/inaccurate; Reviewed CERS submittals submitted on 5/10/2019 and found the following needed to be addressed: - Not using the most up-to-date form to complete facility s Consolidated Emergency Response / Contingency Plan (CER/CP); Old CER/CP form was used - please use attached Rev. 03/07/17 CER/CP form; - Missing the check mark for "2. Hazardous Wastes" on Page 1 of facility's consolidated emergency response / contingency plan; - Missing check mark for "Portable Gas Cylinders" under Section H. Earthquake Vulnerability on Page 4 of facility's consolidated emergency response / contingency plan; - Missing required contents (locations of storm, sewer drains, and emergency shutoffs [Truncated]
Violation Division: Los Angeles County Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 390602
Site Name: CORRIDOR RECYCLING
Violation Date: 07-13-2022
Citation: HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 10/07/2022. OBSERVATION: The business failed to electronically submit complete and accurate chemical inventory information for all hazardous materials on site at or above reportable quantities. Observed quantities of hydraulic oil reported to CERS is does not reflect all hydraulic oil observed on site. CORRECTIVE ACTION: Electronically submit complete and accurate chemical inventory information for all hazardous materials on site at or above reportable quantities.
Violation Division: Los Angeles County Fire Department

STATE SALVAGE INC (Continued) **U001567256**

Violation Program: HMRRP
Violation Source: CERS,

Site ID: 390602
Site Name: CORRIDOR RECYCLING
Violation Date: 06-18-2019
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to prepare a Spill Prevention, Control, and Countermeasures (SPCC) Plan.
Violation Notes: Returned to compliance on 07/15/2019. OBSERVATION: Failure to prepare SPCC. The following containers/drums/aboveground storage tanks (ASTs) containing petroleum products were observed at the time of inspection: - 1 x 55-gallon plastic container containing HW used oils; - 1 x 55-gallon drum containing HW used diesel fuels; - 3 x 55-gallon drums containing HM hydraulic oils; - 1 x 400-gallon AST containing HM diesel fuel; - 1 x 1200 gallon AST containing HM hydraulic oil (inside the baler) CORRECTIVE ACTION: Prepare SPCC.
Violation Division: Los Angeles County Fire Department
Violation Program: APSA
Violation Source: CERS,

Site ID: 390602
Site Name: CORRIDOR RECYCLING
Violation Date: 07-13-2022
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 07/13/2022.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 390602
Site Name: CORRIDOR RECYCLING
Violation Date: 10-06-2015
Citation: HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Description: Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 10/06/2015. OBSERVATION: Owner/Operator failed to adequately label hazardous materials. Observed a 55 gallon container of material labeled as phosphoric acid stored along with used oil and used gasoline containers. Operator stated that the material is not acid but sugar syrup emptied from recycled containers from a pie company. Operator directed staff to correct the label of the container during the inspection. Corrected on site. CORRECTIVE ACTION: Hazardous materials that are mislabeled or not adequately labeled must be properly labeled within 10 days or be managed as a hazardous waste. 22 CCR11 66261.2(f)
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS,

STATE SALVAGE INC (Continued) **U001567256**

Site ID: 390602
Site Name: CORRIDOR RECYCLING
Violation Date: 06-13-2019
Citation: 40 CFR 1 265.174 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.174
Violation Description: Failure to inspect hazardous waste storage areas at least weekly and look for leaking and deteriorating containers.
Violation Notes: Returned to compliance on 06/19/2019. OBSERVATION: Observed accumulation of debris and liquids in internal area of secondary containment areas holding hazardous wastes/materials drums/containers/aboveground storage tanks located at back exterior yard. CORRECTIVE ACTION: Submit a photo to the CUPA demonstrating that the areas listed above has been properly cleaned .
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 390602
Site Name: CORRIDOR RECYCLING
Violation Date: 10-06-2015
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 06/21/2017. OBSERVATION: The facility has not submitted the Hazardous Materials Inventory Chemical Description page for list of materials below to the CUPA. Observed hazardous materials not in the inventory page of CERS: - 110 gallons of used gasoline - 55 gallons of liquid corrosive degreaser - 12,000 cuft of compressed oxygen Observed hazardous materials in the inventory but with incorrect volume: - diesel on site at 400 gallons (600 gallons in CERS) - propane on site at 5,500 cuft (21,324 gallons in CERS) CORRECTIVE ACTION: Complete and submit the Hazardous Materials Inventory Chemical Description page for all materials listed above electronically in the California Environmental Reporting System (CERS).
Violation Division: Los Angeles County Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-13-2022
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Brian Sullivan, Manager
Eval Division: Los Angeles County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-13-2022
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Brian Sullivan, Manager
Eval Division: Los Angeles County Fire Department

STATE SALVAGE INC (Continued) **U001567256**

Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 09-27-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-13-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Kenneth J. Kim, Sales and Buyer
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-16-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-20-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-13-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-13-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Kenneth J. Kim, Sales and Buyer
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

STATE SALVAGE INC (Continued) **U001567256**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-13-2022
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Brian Sullivan, Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-06-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Kenneth Kim, Manager.
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 11-04-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 12-07-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed CERS submittals. NOV abated.
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-21-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-16-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-06-2015
Violations Found: Yes

STATE SALVAGE INC (Continued) **U001567256**

Eval Type: Routine done by local agency
Eval Notes: Kenneth Kim, Manager.
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Coordinates:
Site ID: 390602
Facility Name: CORRIDOR RECYCLING
Env Int Type Code: HMBP
Program ID: 10263799
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 33.821280
Longitude: -118.228520

Affiliation:
Affiliation Type Desc: Identification Signer
Entity Name: Gilbert Dodson
Entity Title: President
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: GILBERT DODSON
Entity Title: Not reported
Affiliation Address: 22500 S ALAMEDA ST
Affiliation City: LONG BEACH
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90810
Affiliation Phone: (310) 835-9109,

Affiliation Type Desc: Operator
Entity Name: GILBERT DODSON
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (310) 835-9109,

Affiliation Type Desc: Parent Corporation
Entity Name: CORRIDOR RECYCLING
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

STATE SALVAGE INC (Continued) **U001567256**

Affiliation Type Desc:	CUPA District
Entity Name:	Los Angeles County Fire
Entity Title:	Not reported
Affiliation Address:	5825 Rickenbacker Road
Affiliation City:	Commerce
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90040-3027
Affiliation Phone:	(323) 890-4000,

Affiliation Type Desc:	Document Preparer
Entity Name:	GILBERT DODSON
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Environmental Contact
Entity Name:	GILBERT DODSON
Entity Title:	Not reported
Affiliation Address:	22500 S ALAMEDA ST
Affiliation City:	LONG BEACH
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90810
Affiliation Phone:	,

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	22500 S ALAMEDA ST
Affiliation City:	LONG BEACH
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90810
Affiliation Phone:	,

Affiliation Type Desc:	Property Owner
Entity Name:	GILBERT DODSON
Entity Title:	Not reported
Affiliation Address:	22500 South Alameda Street
Affiliation City:	Long Beach
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90810
Affiliation Phone:	(310) 835-9109,

Name:	CORRIDOR RECYCLING
Address:	22500 S ALAMEDA ST
City,State,Zip:	LONG BEACH, CA 90810
Site ID:	529856
CERS ID:	215813
CERS Description:	Industrial Facility Storm Water

STATE SALVAGE INC (Continued) **U001567256**

Violations:

Site ID:	529856
Site Name:	Corridor Recycling
Violation Date:	07-02-1999
Citation:	2014-0057-DWQ - Industrial General Permit
Violation Description:	SW - Deficient Report
Violation Notes:	Non-submittal of Annual Report. Due 7//1/1999
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	SMARTS,

Site ID:	529856
Site Name:	Corridor Recycling
Violation Date:	01-23-2009
Citation:	2014-0057-DWQ - Industrial General Permit
Violation Description:	SW - Deficient BMP Implementation
Violation Notes:	316 & 218 mg/L of TSS, 902 & 785 mg/L of COD, 728 & 740 mhos/cm of SC, and 5.27 & 5.14 mg/L of Al were detected at the sample locations, Outfall # 1 & Outfall # 3, respectively, on 01/23/2009.
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	SMARTS,

Site ID:	529856
Site Name:	Corridor Recycling
Violation Date:	01-12-2001
Citation:	2014-0057-DWQ - Industrial General Permit
Violation Description:	SW - Deficient BMP Implementation
Violation Notes:	No containment around diesel oil storage.
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	SMARTS,

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-01-2006
Violations Found:	No
Eval Type:	Industrial Storm Water Compliance Evaluation
Eval Notes:	Minor violations observed. Storm drain inlet filter had pieces of paper and needed to be cleaned out. Verbal warning was issued to plant manager. Site was otherwise in compliance and SWPPP and complete.
Eval Division:	Water Boards
Eval Program:	INDSTW
Eval Source:	SMARTS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-12-2001
Violations Found:	No
Eval Type:	Industrial Storm Water Compliance Evaluation
Eval Notes:	Company was in compliance with the exception of the diesel fuel storage tank.
Eval Division:	Water Boards
Eval Program:	INDSTW
Eval Source:	SMARTS,

STATE SALVAGE INC (Continued) **U001567256**

Enforcement Action:

Site ID:	529856
Site Name:	Corridor Recycling
Site Address:	22500 S ALAMEDA ST
Site City:	LONG BEACH
Site Zip:	90810
Enf Action Date:	01-12-2001
Enf Action Type:	Notice to Comply
Enf Action Description:	Notice to Comply
Enf Action Notes:	Field Notice to Comply issued 1/12/01 for noncompliance with industrial stormwater permit.
Enf Action Division:	Water Boards
Enf Action Program:	INDSTW
Enf Action Source:	SMARTS,

Site ID:	529856
Site Name:	Corridor Recycling
Site Address:	22500 S ALAMEDA ST
Site City:	LONG BEACH
Site Zip:	90810
Enf Action Date:	03-09-2010
Enf Action Type:	Staff Enforcement Letter
Enf Action Description:	Staff Enforcement Letter
Enf Action Notes:	The letter, AR Review - Benchmark Exceedance, was sent to ensure that the permittee will develop and implement the BMPs to reduce or prevent pollutants in SW discharges. Letter also required permittee to submit evidence of implemented additional BMPs and SWPPP amendments if the permittee is already implementing the BMPs.
Enf Action Division:	Water Boards
Enf Action Program:	INDSTW
Enf Action Source:	SMARTS,

Affiliation:

Affiliation Type Desc:	Owner/Operator
Entity Name:	Corridor Recycling
Entity Title:	Operator
Affiliation Address:	22500 S Alameda St
Affiliation City:	Long Beach
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90810
Affiliation Phone:	,

H45
North
1/4-1/2
0.307 mi.
1622 ft.

Relative:
Higher

Actual:
28 ft.

COMMERCIAL CARRIERS INC
22440 ALAMEDA ST S
CARSON, CA 90810

Site 2 of 3 in cluster H

Database(s):
LUST
CERS HAZ WASTE
SWEEPS UST
CA FID UST
Cortese
HIST CORTESE
LOS ANGELES CO. HMS
NPDES
WDS
CIWQS
CERS
HWTS

EDR ID Number: **S101582906**
EPA ID Number: **N/A**

LUST:

Name:	COMMERCIAL CARRIERS INC
Address:	22440 ALAMEDA ST S
City,State,Zip:	CARSON, CA 90810
Lead Agency:	LOS ANGELES COUNTY
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603704930
Global Id:	T0603704930
Latitude:	33.8224919
Longitude:	-118.2292742
Status:	Completed - Case Closed
Status Date:	05/30/1989
Case Worker:	JOA
RB Case Number:	R-10360
Local Agency:	LOS ANGELES COUNTY
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

LUST:

Global Id:	T0603704930
Contact Type:	Local Agency Caseworker
Contact Name:	JOHN AWUJO
Organization Name:	LOS ANGELES COUNTY
Address:	900 S FREMONT AVE
City:	ALHAMBRA
Email:	jawujo@dpw.lacounty.gov
Phone Number:	6264583507

Global Id:	T0603704930
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0603704930
Action Type:	Other
Date:	08/12/1988
Action:	Leak Discovery

COMMERCIAL CARRIERS INC (Continued) **S101582906**

Global Id: T0603704930
Action Type: Other
Date: 09/08/1988
Action: Leak Reported

LUST:
Global Id: T0603704930
Status: Open - Case Begin Date
Status Date: 08/12/1988

Global Id: T0603704930
Status: Open - Site Assessment
Status Date: 09/08/1988

Global Id: T0603704930
Status: Completed - Case Closed
Status Date: 05/30/1989

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: R-10360
Status: Case Closed
Substance: Diesel
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603704930
W Global ID: Not reported
Staff: UNK
Local Agency: 19000
Cross Street: 223RD
Enforcement Type: Not reported
Date Leak Discovered: 8/12/1988
Date Leak First Reported: 9/8/1988
Date Leak Record Entered: 9/8/1988
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 5/30/1989
Date the Case was Closed: 5/30/1989
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: Not reported
Leak Source: Not reported
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 2063.5177749148143506532585908
Source of Cleanup Funding: Not reported
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 9/8/1988
Remediation Plan Submitted: Not reported

COMMERCIAL CARRIERS INC (Continued) **S101582906**

Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: COMMERCIAL CARRIERS INC.
RP Address: P.O. BOX 138
Program: LUST
Lat/Long: 33.8224833 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: 6 UGTS WERE REMOVED... FUEL ISLAND REMOVED, DISCOVERED LOOSES PIPING AND SOIL CONTAMINATION, ALSO DISCOVERED KEROSENE CONTAMINATION
OLD CASE #090888-01

CERS HAZ WASTE:
Name: EVERARDO TRUCK REPAIR
Address: 22440 S ALAMEDA ST # B
City,State,Zip: CARSON, CA 90810
Site ID: 437702
CERS ID: 10280077
CERS Description: Hazardous Waste Generator

SWEEPS UST:
Name: COMMERCIAL CARRIERS INC
Address: 22440 S ALAMEDA ST
City: CARSON
Status: Active
Comp Number: 10360
Number: 9
Board Of Equalization: 44-008824
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010360-000001
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 6

Name: COMMERCIAL CARRIERS INC
Address: 22440 S ALAMEDA ST

COMMERCIAL CARRIERS INC (Continued) **S101582906**

City: CARSON
Status: Active
Comp Number: 10360
Number: 9
Board Of Equalization: 44-008824
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010360-000002
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: COMMERCIAL CARRIERS INC
Address: 22440 S ALAMEDA ST
City: CARSON
Status: Active
Comp Number: 10360
Number: 9
Board Of Equalization: 44-008824
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010360-000003
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: COMMERCIAL CARRIERS INC
Address: 22440 S ALAMEDA ST
City: CARSON
Status: Active
Comp Number: 10360
Number: 9
Board Of Equalization: 44-008824
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010360-000004
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

COMMERCIAL CARRIERS INC (Continued) **S101582906**

Name: COMMERCIAL CARRIERS INC
Address: 22440 S ALAMEDA ST
City: CARSON
Status: Active
Comp Number: 10360
Number: 9
Board Of Equalization: 44-008824
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010360-000005
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: COMMERCIAL CARRIERS INC
Address: 22440 S ALAMEDA ST
City: CARSON
Status: Active
Comp Number: 10360
Number: 9
Board Of Equalization: 44-008824
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010360-000006
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

CA FID UST:
Facility ID: 19001812
Regulated By: UTNKA
Regulated ID: 00033979
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 8180000000
Mail To: Not reported
Mailing Address: BOX
Mailing Address 2: Not reported
Mailing City,St,Zip: CARSON
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported

COMMERCIAL CARRIERS INC (Continued) **S101582906**

Status: Active

CORTESE:

Name:	COMMERCIAL CARRIERS INC
Address:	22440 ALAMEDA ST S
City,State,Zip:	CARSON, CA 90810
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0603704930
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

HIST CORTESE:

edr_fname:	COMMERCIAL CARRIERS INC
edr_fadd1:	22440 ALAMEDA
City,State,Zip:	CARSON, CA 90810
Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	R-10360

LOS ANGELES CO. HMS:

Name:	COMMERCIAL CARRIERS INC
Address:	22440 S ALAMEDA ST
City,State,Zip:	CARSON, CA 908101903
Region:	LA
Permit Category:	T
Facility Id:	010441-010360
Facility Type:	0
Facility Status:	Removed
Area:	22
Permit Number:	00002056T
Permit Status:	Removed

Name:	COMMERCIAL CARRIERS INC
Address:	22440 S ALAMEDA ST
City,State,Zip:	CARSON, CA 908101903
Region:	LA
Permit Category:	Not reported
Facility Id:	010441-030393

COMMERCIAL CARRIERS INC (Continued) **S101582906**

Facility Type: Not reported
Facility Status: OPEN
Area: 22
Permit Number: Not reported
Permit Status: Not reported

Name: MARCUS TRUCKING CO
Address: 22440 S ALAMEDA ST
City,State,Zip: CARSON, CA 908101903
Region: LA
Permit Category: T
Facility Id: 010441-037038
Facility Type: 0
Facility Status: Closed
Area: 22
Permit Number: 000337079
Permit Status: Closed

Name: MAX EXPRESS INC
Address: 22440 S ALAMEDA ST
City,State,Zip: CARSON, CA 908101903
Region: LA
Permit Category: S
Facility Id: 010441-047345
Facility Type: S6
Facility Status: Closed
Area: 22
Permit Number: CGI016897
Permit Status: Closed

Name: ENERGY TRANSPORT & LOGISTIC
Address: 22440 S ALAMEDA ST
City,State,Zip: CARSON, CA 908101903
Region: LA
Permit Category: Not reported
Facility Id: 010441-065320
Facility Type: Not reported
Facility Status: OPEN
Area: 22
Permit Number: Not reported
Permit Status: Not reported

NPDES:
Name: ENERGY COMPANY
Address: 22440 SOUTH ALAMEDA STREET
City,State,Zip: CARSON, CA 90810
Facility Status: Not reported
NPDES Number: Not reported
Region: Not reported
Agency Number: Not reported
Regulatory Measure ID: Not reported
Place ID: Not reported
Order Number: Not reported
WDID: 4 19IN604654
Regulatory Measure Type: Industrial
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported

COMMERCIAL CARRIERS INC (Continued) **S101582906**

Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	No Action Required
Status Date:	01/10/2019
Operator Name:	Energy Company
Operator Address:	22440 South Alameda Street
Operator City:	Carson
Operator State:	California
Operator Zip:	90810

Name:	MAX EXPRESS INC
Address:	22440 S ALAMEDA ST
City,State,Zip:	CARSON, CA 90810
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	4 19I016897
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Terminated
Status Date:	06/05/2018
Operator Name:	Max Express Inc
Operator Address:	22440 S Alameda St
Operator City:	Carson
Operator State:	California
Operator Zip:	90810

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	191282
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19I016897
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported

COMMERCIAL CARRIERS INC (Continued) **S101582906**

Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	11/08/2001
Status:	Active
Status Date:	11/08/2001
Place Size:	3
Place Size Unit:	Acres
Contact:	Vicky Hsu
Contact Title:	Not reported
Contact Phone:	310-834-0888
Contact Phone Ext:	Not reported
Contact Email:	vickyhsu@gmail.com
Operator Name:	Max Express Inc
Operator Address:	22440 S Alameda St
Operator City:	Carson
Operator State:	California
Operator Zip:	90810
Operator Contact:	Vicky Hsu
Operator Contact Title:	Not reported
Operator Contact Phone:	310-834-0888
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	vickyhsu@gmail.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	310-834-0888
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N

COMMERCIAL CARRIERS INC (Continued) **S101582906**

Receiving Water Name:	Dominguez Channel
Certifier:	Richard Mo
Certifier Title:	controller
Certification Date:	09-FEB-15
Primary Sic:	4213-Trucking, Except Local
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	191282
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19I016897
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	11/08/2001
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Max Express Inc
Discharge Address:	22440 S Alameda St
Discharge City:	Carson
Discharge State:	California
Discharge Zip:	90810
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported

COMMERCIAL CARRIERS INC (Continued) **S101582906**

Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

WDS:

Name:	MARCUS TRUCKING CO.
Address:	22440 S Alameda St
City:	CARSON
Facility ID:	4 19I016897
Facility Type:	Other - Does not fall into the category of Municipal/Domestic, Industrial, Agricultural or Solid Waste (Class I, II or III)
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	4
Facility Telephone:	Not reported
Facility Contact:	Marcusmo
Agency Name:	MARCUS TRUCKING CO.
Agency Address:	Not reported
Agency City,St,Zip:	0
Agency Contact:	Not reported
Agency Telephone:	Not reported
Agency Type:	Private
SIC Code:	4213
SIC Code 2:	Not reported
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Primary Waste:	STORMS
Waste Type2:	Not reported
Waste2:	Stormwater Runoff

COMMERCIAL CARRIERS INC (Continued) **S101582906**

Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	No reclamation requirements associated with this facility.
POTW:	The facility is not a POTW.
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

CIWQS:

Name:	COMMERCIAL CARRIERS INC
Address:	22440 S ALAMEDA ST
City,State,Zip:	CARSON, CA 90810
Agency:	Commercial Carriers Inc
Agency Address:	3600 Nw 32nd Ave, Miami, MI 48007
Place/Project Type:	Industrial - Terminal and Joint Terminal Maintenance Facilities for Motor Freight Transportation
SIC/NAICS:	4231
Region:	4
Program:	INDSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	4 19I002224
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	03/31/1992
Termination Date:	09/29/1997
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.82187
Longitude:	-118.22954

Name:	MAX EXPRESS INC
Address:	22440 S ALAMEDA ST
City,State,Zip:	CARSON, CA 90810
Agency:	Max Express Inc
Agency Address:	22440 S Alameda St, Carson, CA 90810

COMMERCIAL CARRIERS INC (Continued) **S101582906**

Place/Project Type:	Industrial - Trucking, Except Local
SIC/NAICS:	4213
Region:	4
Program:	INDSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	4 19I016897
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	11/08/2001
Termination Date:	02/08/2018
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.82187
Longitude:	-118.22954

CERS:

Name:	EVERARDO TRUCK REPAIR
Address:	22440 S ALAMEDA ST # B
City,State,Zip:	CARSON, CA 90810
Site ID:	437702
CERS ID:	10280077
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	437702
Site Name:	EVERARDO TRUCK REPAIR
Violation Date:	05-21-2021
Citation:	40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173
Violation Description:	Failure to meet the following container management requirements: (a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste. (b) A container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak.
Violation Notes:	Returned to compliance on 05/21/2021. OBSERVATION: Hazardous waste containers were observed open: 1) 1 x 55 gal drum = used oil 2) 3 x 55 gal drums = filters CORRECTIVE ACTION: Operator affixed lid(s) & corrected violation on site.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS,

Site ID:	437702
Site Name:	EVERARDO TRUCK REPAIR
Violation Date:	05-21-2021
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste",

COMMERCIAL CARRIERS INC (Continued) **S101582906**

	name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 05/21/2021. OBSERVATION: Hazardous waste were observed without a hazardous waste label: 1) 1 x 500 gal tank = used oil 2) 1 x 55 gal drum = used oil 3) 3 x 55 gal drums = filters CORRECTIVE ACTION: Operator affixed label & corrected violation on site.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	437702
Site Name:	EVERARDO TRUCK REPAIR
Violation Date:	01-28-2015
Citation:	22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description:	Failure to obtain and/or maintain an Active EPA ID.
Violation Notes:	Returned to compliance on 02/22/2018. OBSERVATION: This facility s EPA ID number is inactive. A hazardous waste generator shall not treat, store, dispose of, transport or offer for transportation, hazardous waste without an EPA ID number. CORRECTIVE ACTION: Immediately contact DTSC and reactivate your EPA ID number and submit evidence to the cupa by2/27/15 (EPA ID # CAL000320536).
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	437702
Site Name:	EVERARDO TRUCK REPAIR
Violation Date:	02-22-2018
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Returned to compliance on 02/27/2019. OBSERVATION: The business failed to electronically submit and certify that the business plan is complete, accurate, and in compliance with EPCRA on or before the annual due date. Log onto the California Environmental Reporting System (CERS) to submit the required information, including the sections for business activities, business owner/operator identification, site map, hazardous material inventory, emergency response plan, and employee training plan. Nothing has been submitted to CERS. CORRECTIVE ACTION: Electronically submit and certify that the business plan is complete, accurate, and in compliance with EPCRA on or before the annual due date.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	437702
Site Name:	EVERARDO TRUCK REPAIR
Violation Date:	02-22-2018
Citation:	22 CCR 23 66273.34 - California Code of Regulations, Title 22, Chapter 23, Section(s) 66273.34
Violation Description:	Failure to label or mark each individual or container or the

COMMERCIAL CARRIERS INC (Continued) **S101582906**

designated area of universal waste as required. 1) Waste batteries shall be marked with "Universal Waste-Battery(ies) . 2) Mercury containing equipment shall be marked with "Universal Waste -Mercury-Containing Equipment . 3) Lamps shall be marked with Universal Waste-Lamp(s) . 4)Each electronic devices or the container or the designated area shall be marked with Universal Waste-Electronic Device(s) . 5) Each CRTs or the container or the designated area shall be marked with "Universal Waste-CRT(s) . 6) CRT glass or the designated area shall be marked with Universal Waste-CRT glass .

Violation Notes: Returned to compliance on 02/22/2018. OBSERVATION: Owner/Operator failed to properly label universal waste. Observed 4 Interstate used batteries without a proper universal waste label. Operator was able to correct this violation on site during the inspection. CORRECTIVE ACTION: Properly label universal waste and submit statement of compliance and/or a photo of the waste labeled properly.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 437702
Site Name: EVERARDO TRUCK REPAIR
Violation Date: 01-28-2015
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Description: Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 02/22/2018. OBSERVATION: A business plan has not been received by the CUPA. The facility was previously sent a notice/request from the CUPA for the submittal of a business plan by 2/27/15. CORRECTIVE ACTION: Submit the business plan electronically in the California Environmental Reporting System (CERS) and implement immediately.
Violation Division: Los Angeles County Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 437702
Site Name: EVERARDO TRUCK REPAIR
Violation Date: 05-21-2021
Citation: HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Description: Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 06/08/2021. OBSERVATION: Owner/Operator failed to establish and implement a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet. CORRECTIVE ACTION: Establish and implement a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet.
Violation Division: Los Angeles County Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 437702

COMMERCIAL CARRIERS INC (Continued) **S101582906**

Site Name: EVERARDO TRUCK REPAIR
Violation Date: 01-28-2015
Citation: 22 CCR 16 66266.130 - California Code of Regulations, Title 22, Chapter 16, Section(s) 66266.130
Violation Description: Failure to properly handle, manage, label, and recycle used oil and fuel filters.
Violation Notes: Returned to compliance on 02/22/2018. OBSERVATION: Generator failed to properly handle, manage, label, and/or recycle used oil and fuel filters and 400 gal. used oil portable tank. 3 x 55 gal. drums of drained used oil filters missing label/ accumulation start date. Used oil tank had faded label/ missing accumulation start date. CORRECTIVE ACTION: Owner/Operator shall immediately comply with the Title 22 regulations with regards to the proper handling, management, labeling and recycling of used oil and fuel filters/used oil containers. Verify compliance with the CUPA within 30 days.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 437702
Site Name: EVERARDO TRUCK REPAIR
Violation Date: 02-22-2018
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 02/22/2018. OBSERVATION: Observed the following containers containing hazardous wastes (HW) either without a proper HW label or with a HW label without accumulation date: 1 x 500-gallon portable tank containing used oil w/out a label NTC, COS, labeled 1/1/18; 3 x 55-gallon drums containing used and drain filters w/out a label NTC, COS, labeled 2/22/18 ; 1 x 25-gallon container containing used Arma Kleen Cleaning Solution w/out a label NTC, COS, labeled 2/22/18; 1 x 55-gallon drum containing used oil w/out a label NTC, COS, labeled 2/22/18; CORRECTIVE ACTION: Submit photos to the CUPA demonstrating that the container listed above has been properly labeled. Operator was able to correct this violation on site during the inspection.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 437702
Site Name: EVERARDO TRUCK REPAIR
Violation Date: 02-22-2018
Citation: 22 CCR 11 66261.7 - California Code of Regulations, Title 22, Chapter 11, Section(s) 66261.7
Violation Description: Failure to manage empty containers greater than 5 gallons in capacity that previously held a hazardous material/waste in accordance with 22 CCR 11 66261.7 including but not limited to the following: (e)(2)By reclaiming its scrap value onsite or shipping the container or inner liner to a person who reclaims its scrap value; or (3) By reconditioning or re manufacturing the container or inner liner onsite for subsequent reuse, or shipping the container or inner liner to a

COMMERCIAL CARRIERS INC (Continued) **S101582906**

person who reconditions or re-manufactures the container or inner liner; or (4) By shipping the container or inner liner to a supplier or to another intermediate collection location for accumulation prior to managing the container or inner liner pursuant to subsections (e)(2) or (e)(3) of 22 CCR 11 66261.7; or (i) By shipping the container or inner liner back to the supplier for the purpose of being refilled. (f) A container or an inner liner removed from a container larger than five gallons in capacity which is managed pursuant to subsection (e) of 22 CCR 11 66261.7 shall be marked with the date it has been emptied and shall be managed within one year of being emptied.

Violation Notes: Returned to compliance on 02/22/2018. OBSERVATION: Observed 5 plus 5-gallon used, empty containers w/out a proper empty label. Operator was able to correct this violation on site during the inspection. CORRECTIVE ACTION: Submit photos/documentation to this department demonstrating that the empty containers listed above have been marked with the date they were emptied and are being properly managed pursuant to 22 CCR 11 66261.7.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 437702
Site Name: EVERARDO TRUCK REPAIR
Violation Date: 02-22-2018
Citation: 40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173
Violation Description: Failure to meet the following container management requirements: (a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste. (b) A container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak.
Violation Notes: Returned to compliance on 02/22/2018. OBSERVATION: Observed accumulation of used oils were found in an opened container inside the covered concrete berm. Operator was able to correct this violation on site during the inspection. CORRECTIVE ACTION: Submit photos to the CUPA demonstrating that the container listed above has been properly closed.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 437702
Site Name: EVERARDO TRUCK REPAIR
Violation Date: 02-22-2018
Citation: 22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description: Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.
Violation Notes: Returned to compliance on 02/22/2018. OBSERVATION: The generator has not obtained an active EPA ID number to manage hazardous waste. A hazardous waste generator shall not treat, store, dispose of, transport or offer for transportation, hazardous waste without an active EPA ID number. Operator’s EPA # CAL000320536 has an inactive status. EPA ID number application completed and faxed before the end

COMMERCIAL CARRIERS INC (Continued) **S101582906**

of inspection. CORRECTIVE ACTION: Submit documentation to the CUPA demonstrating that you have obtained an EPA ID number.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 437702
Site Name: EVERARDO TRUCK REPAIR
Violation Date: 05-21-2021
Citation: HSC 6.5 25123.3(h)(1) - California Health and Safety Code, Chapter 6.5, Section(s) 25123.3(h)(1)
Violation Description: Failure to send hazardous waste offsite for treatment, storage, or disposal within 180 days (or 270 days if waste is transported over 200 miles) for a generator who generates less than 1000 kilogram per month if all of the following conditions are met: (1) The quantity of hazardous waste accumulated onsite never exceeds 6,000 kilograms. (2) The generator complies with the requirements of 40 Code of Federal Regulations section 262.34(d), (e) and (f). (3) The generator does not hold acutely hazardous waste or extremely hazardous waste in an amount greater than one kilogram for more than 90 days.
Violation Notes: Returned to compliance on 05/27/2021. OBSERVATION: Owner/Operator is a small quantity generator and failed to send hazardous waste offsite for treatment, storage, or disposal within 180 days (or 270 days if waste is transported over 200 miles), or has failed to comply with the conditions of CCR 66262.34(d) and has stored hazardous waste over 90 days. Following waste in violation: 1) 1 x 500 gal tank = used oil 2) 1 x 55 gal drum = used oil 3) 3 x 55 gal drums = filters CORRECTIVE ACTION: Dispose of hazardous waste that has been stored over the applicable time limit and provide documentation (manifest) that the violation has been corrected.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-28-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Everado Ortiz, Owner
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-28-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Everado Ortiz, Owner
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-21-2021
Violations Found: Yes
Eval Type: Routine done by local agency

COMMERCIAL CARRIERS INC (Continued) **S101582906**

Eval Notes: Everardo Ortiz, owner
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-21-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Everardo Ortiz, owner
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-22-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Everardo Ortiz, owner The owner / operator was advised of proper hazardous waste management, hazardous materials handling, record-keeping, permit payment, and good business practices.
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-22-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Everardo Ortiz, owner The owner/operator was advised to update, review, and submit any and all information missing in the California Environmental Reporting System (CERS) online system.
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Affiliation:
Affiliation Type Desc: Legal Owner
Entity Name: EVERARDO ORTIZ
Entity Title: Not reported
Affiliation Address: 934 MCFARLAND AVE
Affiliation City: WILMINGTON
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90744
Affiliation Phone: (562) 577-7344,

Affiliation Type Desc: Parent Corporation
Entity Name: EVERARDO TRUCK REPAIR
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

COMMERCIAL CARRIERS INC (Continued) **S101582906**

Affiliation Type Desc: Environmental Contact
Entity Name: EVERARDO ORTIZ
Entity Title: Not reported
Affiliation Address: 934 MCFARLAND AVE
Affiliation City: WILMINGTON
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90744
Affiliation Phone: ,

Affiliation Type Desc: CUPA District
Entity Name: Los Angeles County Fire
Entity Title: Not reported
Affiliation Address: 5825 Rickenbacker Road
Affiliation City: Commerce
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90040-3027
Affiliation Phone: (323) 890-4000,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 934 MCFARLAND AVE
Affiliation City: WILMINGTON
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90744
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: EVERARDO ORTIZ
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (562) 577-7374,

Name: COMMERCIAL CARRIERS INC
Address: 22440 ALAMEDA ST S
City,State,Zip: CARSON, CA 90810
Site ID: 232714
CERS ID: T0603704930
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: JOHN AWUJO - LOS ANGELES COUNTY
Entity Title: Not reported
Affiliation Address: 900 S FREMONT AVE
Affiliation City: ALHAMBRA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 6264583507,

COMMERCIAL CARRIERS INC (Continued) **S101582906**

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	320 W. 4TH ST., SUITE 200
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

HWTS:

Name:	MAX EXPRESS INC
Address:	22440 S ALAMEDA ST
Address 2:	Not reported
City,State,Zip:	CARSON, CA 90810
EPA ID:	CAL000380071
Inactive Date:	06/30/2016
Create Date:	11/14/2012
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	22440 S ALAMEDA ST
Mailing Address 2:	Not reported
Mailing City,State,Zip:	CARSON, CA 908101903
Owner Name:	MAX EXPRESS INC
Owner Address:	22440 S ALAMEDA ST
Owner Address 2:	Not reported
Owner City,State,Zip:	CARSON, CA 908101903
Contact Name:	RICHARD MO
Contact Address:	22440 S ALAMEDA ST
Contact Address 2:	Not reported
City,State,Zip:	CARSON, CA 90810
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	33.822081
Longitude:	-118.229103

NAICS:

EPA ID:	CAL000380071
Create Date:	2012-11-14 15:27:37.737
NAICS Code:	48423
NAICS Description:	Specialized Freight (except Used Goods) Trucking, Long-Distance
Issued EPA ID Date:	2012-11-14 15:27:37.50000
Inactive Date:	2016-06-30 00:00:00
Facility Name:	MAX EXPRESS INC
Facility Address:	22440 S ALAMEDA ST
Facility Address 2:	Not reported
Facility City:	CARSON
Facility County:	Not reported
Facility State:	CA
Facility Zip:	908101903

H46 **STATE SALVAGE** **LUST** **U002284746**
NNW **22500 ALAMEDA ST S** **Cortese** **N/A**
1/4-1/2 **CARSON, CA 90810** **HIST CORTESE**
0.311 mi. **CERS**
1644 ft. **Site 3 of 3 in cluster H**

Relative: Higher

Actual: 28 ft.

LUST:

Name:	STATE SALVAGE
Address:	22500 ALAMEDA ST S
City,State,Zip:	CARSON, CA 90810
Lead Agency:	LOS ANGELES COUNTY
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603703845
Global Id:	T0603703845
Latitude:	33.8219273
Longitude:	-118.2295668
Status:	Completed - Case Closed
Status Date:	07/03/1991
Case Worker:	JOA
RB Case Number:	I-11754
Local Agency:	LOS ANGELES COUNTY
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

LUST:

Global Id:	T0603703845
Contact Type:	Local Agency Caseworker
Contact Name:	JOHN AWUJO
Organization Name:	LOS ANGELES COUNTY
Address:	900 S FREMONT AVE
City:	ALHAMBRA
Email:	jawujo@dpw.lacounty.gov
Phone Number:	6264583507

Global Id:	T0603703845
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0603703845
Action Type:	Other
Date:	03/09/1990
Action:	Leak Reported

LUST:

Global Id:	T0603703845
Status:	Open - Case Begin Date
Status Date:	03/09/1990

Global Id:	T0603703845
Status:	Open - Site Assessment

STATE SALVAGE (Continued) **U002284746**

Status Date: 03/09/1990

Global Id: T0603703845
Status: Open - Site Assessment
Status Date: 02/26/1991

Global Id: T0603703845
Status: Completed - Case Closed
Status Date: 07/03/1991

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	I-11754	
Status:	Case Closed	
Substance:	Diesel	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603703845	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19000	
Cross Street:	Not reported	
Enforcement Type:	Not reported	
Date Leak Discovered:	Not reported	
Date Leak First Reported:		3/9/1990
Date Leak Record Entered:	3/5/1990	
Date Confirmation Began:	3/9/1990	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		10/14/1993
Date the Case was Closed:		7/3/1991
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	Not reported	
Leak Source:	Not reported	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		2132.65756102402544526166527 26
Source of Cleanup Funding:		F
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		2/26/1991
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	

STATE SALVAGE (Continued) **U002284746**

Organization:	Not reported
Owner Contact:	Not reported
Responsible Party:	STATE SALVAGE
RP Address:	22500 S ALAMEDA ST, CARSON, CA 90810
Program:	LUST
Lat/Long:	33.8219273 / -1
Local Agency Staff:	Not reported
Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	Not reported

CORTESE:

Name:	STATE SALVAGE
Address:	22500 ALAMEDA ST S
City,State,Zip:	CARSON, CA 90810
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0603703845
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

HIST CORTESE:

edr_fname:	STATE SALVAGE
edr_fadd1:	22500 ALAMEDA
City,State,Zip:	CARSON, CA 90810
Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	I-11754

CERS:

Name:	STATE SALVAGE
Address:	22500 ALAMEDA ST S
City,State,Zip:	CARSON, CA 90810
Site ID:	187399
CERS ID:	T0603703845
CERS Description:	Leaking Underground Storage Tank Cleanup Site

STATE SALVAGE (Continued) **U002284746**

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	JOHN AWUJO - LOS ANGELES COUNTY
Entity Title:	Not reported
Affiliation Address:	900 S FREMONT AVE
Affiliation City:	ALHAMBRA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	6264583507,

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	320 W. 4TH ST., SUITE 200
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

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47 **MATLACK INC** **HIST CORTESE** **S105024518**
North **22422 ALAMEDA** **N/A**
1/4-1/2 **LONG BEACH, CA 90810**
0.314 mi.
1658 ft.

Relative: **Higher**

Actual: **28 ft.**

HIST CORTESE:

edr_fname:	MATLACK INC
edr_fadd1:	22422 ALAMEDA
City,State,Zip:	LONG BEACH, CA 90810
Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	I-00124

I48 **ALLCO RECYCLING INC** **RCRA-SQG** **1000818717**
NNW **22620 ALAMEDA** **SWF/LF** **CAD983646266**
1/4-1/2 **LONG BEACH, CA 90810** **FINDS**
0.327 mi. **ECHO**
1726 ft. **Site 1 of 3 in cluster I** **LOS ANGELES CO. HMS**
HAZNET
HWTS

Relative: **Higher**

Actual: **27 ft.**

RCRA Listings:

Date Form Received by Agency:	19920819
Handler Name:	Allco Recycling Inc
Handler Address:	22620 ALAMEDA
Handler City,State,Zip:	LONG BEACH, CA 90810
EPA ID:	CAD983646266
Contact Name:	JAMES WALTON
Contact Address:	22620 ALAMEDA
Contact City,State,Zip:	LONG BEACH, CA 90810
Contact Telephone:	310-835-0104
Contact Fax:	Not reported

ALLCO RECYCLING INC (Continued) **1000818717**

Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	ALAMEDA
Mailing City,State,Zip:	LONG BEACH, CA 90810
Owner Name:	Allco Recycling Inc
Owner Type:	Private
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20000915
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

ALLCO RECYCLING INC (Continued) **1000818717**

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: ALLCO RECYCLING INC
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 22620 ALAMEDA
Owner/Operator City,State,Zip: LONG BEACH, CA 90810
Owner/Operator Telephone: 310-835-0104
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19920819
Handler Name: ALLCO RECYCLING INC
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

LOS ANGELES CO. LF:
Name: HARDWICKS DISPOSAL PIT
Address: 22620 SOUTH ALAMEDA STREET
City,State,Zip: LONG BEACH, CA 90810
Site ID: 1956
Alt. Site Name: Hardwick Disposal Pit No. 44; Watson Land Co. #1
Alt. Address: 22606 South Alameda Street, Long Beach, CA; 22522 - 22736 South Alameda Street, Carson, CA
Site Contact: Not reported
Site Contact Phone: Not reported
Site Email: Not reported
Site Website: Not reported
Site Type: Unknown
Site SWIS Number: 19-AQ-0015
Beginning Operation Date: 1944
Ending Operation Date: 1965
Local Enforcement Agency: County Public Health
Maximun Depth Fill(Ft): 32

ALLCO RECYCLING INC (Continued) **1000818717**

Permitted Capacity:	Not reported
Present Use:	Industrial
Remaining Capacity(Million):	Not reported
Status:	Closed
Waste Accepted:	Not reported
Hours of Operation:	Not reported
Disposal Area (Acre):	15

Detail As Of 01/2014:

Operator Name:	J. Hardwick & Son
Operator Address:	Not reported
Operator City/State/Zip:	Not reported
Operator Contact:	Not reported
Operator Telephone:	Not reported
Operator Email:	Not reported
Owner Name:	Super Service Center & Other Companies
Owner Address:	22522 Alameda St
Owner City/State/Zip:	Carson, CA
Owner Contact:	Not reported
Owner Telephone:	Not reported
Owner Email:	Not reported
District:	2
Site Mailing Address:	Not reported

FINDS:

Registry ID: 110002883265

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000818717
Registry ID:	110002883265
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002883265
Name:	ALLCO RECYCLING INC
Address:	22620 ALAMEDA
City,State,Zip:	LONG BEACH, CA 90810

LOS ANGELES CO. HMS:

Name:	ALLCO RECYCLING INC
Address:	22620 S ALAMEDA ST
City,State,Zip:	CARSON, CA 90810
Region:	LA
Permit Category:	Not reported

ALLCO RECYCLING INC (Continued) **1000818717**

Facility Id: 023332-032583
Facility Type: Not reported
Facility Status: OPEN
Area: 22
Permit Number: Not reported
Permit Status: Not reported

HAZNET:

Name:	ALLCO RECYCLING INC
Address:	22620 ALAMEDA
Address 2:	Not reported
City,State,Zip:	LONG BEACH, CA 908100000
Contact:	JAMES WALTON
Telephone:	3108350104
Mailing Name:	Not reported
Mailing Address:	22620 S ALAMEDA ST
Year:	2002
Gepaid:	CAD983646266
TSD EPA ID:	CAT080013352
CA Waste Code:	135 - Unspecified aqueous solution
Disposal Method:	R01 - Recycler
Tons:	7.98
Year:	1999
Gepaid:	CAD983646266
TSD EPA ID:	CAT000613893
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	H01 - Transfer Station
Tons:	0.651

Additional Info:

Year:	2002
Gen EPA ID:	CAD983646266
Shipment Date:	20021007
Creation Date:	2/10/2003 18:31:16
Receipt Date:	20021007
Manifest ID:	22027938
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	7.98
Waste Quantity:	1900
Quantity Unit:	G
Additional Code 1:	Not reported

ALLCO RECYCLING INC (Continued) **1000818717**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1999
Gen EPA ID:	CAD983646266
Shipment Date:	19991116
Creation Date:	1/11/2000 0:00:00
Receipt Date:	19991118
Manifest ID:	99523992
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	SCD987574647
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.189
Waste Quantity:	45
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990922
Creation Date:	11/16/1999 0:00:00
Receipt Date:	19990923
Manifest ID:	99502615
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	SCD987574647
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.1974
Waste Quantity:	47
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

ALLCO RECYCLING INC (Continued) **1000818717**

Shipment Date:	19990727
Creation Date:	9/21/1999 0:00:00
Receipt Date:	19990730
Manifest ID:	99039230
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	SCD987574647
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.1386
Waste Quantity:	33
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19990528
Creation Date:	7/13/1999 0:00:00
Receipt Date:	19990603
Manifest ID:	99227519
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	SCD987574647
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.126
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	ALLCO RECYCLING INC
Address:	22620 ALAMEDA
Address 2:	Not reported
City,State,Zip:	LONG BEACH, CA 90810
EPA ID:	CAD983646266
Inactive Date:	06/30/2006
Create Date:	08/19/1992
Last Act Date:	Not reported

ALLCO RECYCLING INC (Continued) **1000818717**

Mailing Name:	Not reported
Mailing Address:	22620 S ALAMEDA ST
Mailing Address 2:	Not reported
Mailing City,State,Zip:	CARSON, CA 908101907
Owner Name:	ALLCO RECYCLING INC
Owner Address:	22620 S ALAMEDA ST
Owner Address 2:	Not reported
Owner City,State,Zip:	CARSON, CA 908101907
Contact Name:	JAMES WALTON
Contact Address:	22620 S ALAMEDA ST
Contact Address 2:	Not reported
City,State,Zip:	CARSON, CA 908101907
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	FEDERAL
Latitude:	33.820249
Longitude:	-118.230071

I49 **HARDWICK'S DISPOSAL PIT** **SWF/LF** **S103587979**
NNW **22620 S. ALAMEDA ST.** **N/A**
1/4-1/2 **LONG BEACH, CA 90810**
0.329 mi.
1736 ft. **Site 2 of 3 in cluster I**

Relative:
Higher

Actual:
26 ft.

SWF/LF (SWIS):

Name:	HARDWICK'S DISPOSAL PIT
Address:	22620 S. ALAMEDA ST.
City,State,Zip:	LONG BEACH, CA 90810
Region:	STATE
Facility ID:	19-AQ-0015
SWIS Number:	19-AQ-0015
Point of Contact:	Dawn Liang
Is Archived:	No
Is Closed Illegal Abandoned:	Yes
Is Site Inert Debris Engineered Fill:	No
Is Financial Assurances Responsible:	No
Absorbed On:	Not reported
Operational Status:	Closed
Absorbed By:	Not reported
Closed Illegal Abandoned Category:	C1
EPA Federal Registry ID:	Not reported
ARB District:	South Coast
SWRCB Region:	Los Angeles
Local Government:	Long Beach
Reporting Agency Legal Name:	County of Los Angeles
Reporting Agency Department:	Department of Public Health
Enforcing Agency Legal Name:	County of Los Angeles
Enforcing Agency Department:	Department of Public Health
Regulation Status:	Permitted

Activity:

SWIS Number:	19-AQ-0015
Site Name:	Hardwick's Disposal Pit
Activity:	Solid Waste Disposal Site
Activity Is Archived:	No
Category:	Disposal
Activity Classification:	Solid Waste Disposal Site
WDR Number:	Not reported

HARDWICK'S DISPOSAL PIT (Continued) **S103587979**

WDR Landfill Class:	Not reported
Cease Operation:	Not reported
Cease Operation Type:	Not reported
Inspection Frequency:	Annual
Throughput:	0
Throughput Units:	Not reported
Remaining Capacity:	0
Remaining Capacity Date:	Not reported
Capacity:	0
Capacity Units:	Not reported
Total Acreage:	0
Disposal Acreage:	0
Permitted Elevation:	0
Permitted Elevation Type:	Not reported
Permitted Depth:	0
Permitted Depth Type:	Not reported
Point of Contact:	Dawn Liang
Site Operational Status:	Closed
Site Regulatory Status:	Permitted
Site Is Archived:	No
Is Closed Illegal Abandoned:	Yes
Is Site Inert Debris Engineered Fill:	No
Is Financial Assurances Responsible:	No
Absorbed On:	Not reported
Absorbed By:	Not reported
Closed Illegal Abandoned Category:	C1
EPA Federal Registry ID:	Not reported
County:	Los Angeles
ARB District:	South Coast
SWRCB Region:	Los Angeles
Local Government:	Long Beach
Street Address:	22620 S. Alameda St.
City:	Long Beach
State:	CA
ZIP Code:	90810
Reporting Agency Legal Name:	County of Los Angeles
Reporting Agency Department:	Department of Public Health
Enforcing Agency Legal Name:	County of Los Angeles
Enforcing Agency Department:	Department of Public Health

Owner:

SWIS Number:	19-AQ-0015
Owner:	Super Service Center & Other Companies
Owner Address:	22522 Alameda St.
Owner City:	Carson
Owner State:	CA
Owner Zip:	Not reported
Site Name:	Hardwick's Disposal Pit
Site Operational Status:	Closed
Site Type:	Disposal Only
Site Regulatory Status:	Permitted
Latitude:	33.81667
Longitude:	-118.22778
Is Archived:	No
Started On:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported

HARDWICK'S DISPOSAL PIT (Continued) **S103587979**

Contact Email:	Not reported
Contact Phone:	Not reported

I50 NNW 1/4-1/2 0.329 mi. 1736 ft. **HARDWICK DISPOSAL PIT NO. 44**
22620 SOUTH ALAMEDA STREET
CARSON, CA 90810

WMUDS/SWAT LDS CERS **S104156315 N/A**

Site 3 of 3 in cluster I

Relative: Higher

Actual: 26 ft.

WMUDS/SWAT:

Edit Date:	Not reported
Complexity:	Not reported
Primary Waste:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Base Meridian:	Not reported
NPID:	Not reported
Tonnage:	0
Regional Board ID:	Not reported
Municipal Solid Waste:	False
Superorder:	False
Open To Public:	False
Waste List:	False
Agency Type:	Not reported
Agency Name:	HARDWICK
Agency Department:	Not reported
Agency Address:	3801 WESTON PLACE
Agency City,St,Zip:	LONG BEACH 90807
Agency Contact:	Not reported
Agency Telephone:	Not reported
Land Owner Name:	DRESSER, NETTIE CO. EXEC.
Land Owner Address:	P.O. BOX 01736
Land Owner City,St,Zip:	LOS ANGELES, CA 90001
Land Owner Contact:	Not reported
Land Owner Phone:	Not reported
Region:	4
Facility Type:	Not reported
Facility Description:	Not reported
Facility Telephone:	Not reported
SWAT Facility Name:	Not reported
Primary SIC:	Not reported
Secondary SIC:	Not reported
Comments:	Not reported
Last Facility Editors:	Not reported
Waste Discharge System:	False
Solid Waste Assessment Test Program:	True
Toxic Pits Cleanup Act Program:	False
Resource Conservation Recovery Act:	False
Department of Defence:	False
Solid Waste Assessment Test Program:	HARDWICK
Threat to Water Quality:	Not reported
Sub Chapter 15:	False
Regional Board Project Officer:	DJP
Number of WMUDS at Facility:	1
Section Range:	Not reported
RCRA Facility:	Not reported

HARDWICK DISPOSAL PIT NO. 44 (Continued) **S104156315**

Waste Discharge Requirements: Not reported
Self-Monitoring Rept. Frequency: Not reported
Waste Discharge System ID: 4 190040NUR
Solid Waste Information ID: Not reported

LDS:
Name: HARDWICK DISPOSAL PIT NO. 44
Address: 22620 SOUTH ALAMEDA STREET
City,State,Zip: CARSON, CA 90810

Global Id: T10000004890
Latitude: 33.81971
Longitude: -118.2288
Case Type: Land Disposal Site
Status: Pre-Title 27 CAI - Completed - Case Closed/No Monitoring
Status Date: 08/29/1990
Lead Agency: Not reported
Caseworker: Not reported
Local Agency: Not reported
RB Case Number: 53-221
LOC Case Number: Not reported
File Location: Regional Board
Potential Media Affect: Not reported
EDR Link ID: T10000004890
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

CERS:
Name: HARDWICK DISPOSAL PIT NO. 44
Address: 22620 SOUTH ALAMEDA STREET
City,State,Zip: CARSON, CA 90810
Site ID: 252483
CERS ID: T10000004890
CERS Description: Land Disposal Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: Wen Yang - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4TH ST., SUITE 200
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 2136202253,

51
NW
1/4-1/2
0.331 mi.
1750 ft.

ACTA SOUTH - PARCEL SE-352/353
S. ALAMEDA ST.
CARSON, CA 90810

CPS-SLIC **S106487316**
N/A

Relative:
Lower

Actual:
17 ft.

CPS-SLIC:

Name:	ACTA SOUTH - PARCEL SE-352/353
Address:	S. ALAMEDA ST.
City,State,Zip:	CARSON, CA 90810
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	04/19/2003
Global Id:	SL0603723245
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	33.815408
Longitude:	-118.231928
Case Type:	Cleanup Program Site
Case Worker:	SH
Local Agency:	Not reported
RB Case Number:	0747G8
File Location:	Not reported
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

52
WSW
1/4-1/2
0.336 mi.
1774 ft.

ACTA SOUTH - PARCEL SE-358
ALAMEDA ST
CARSON, CA 90745

CPS-SLIC **S106393819**
CHMIRS **N/A**

Relative:
Higher

Actual:
24 ft.

CPS-SLIC:

Name:	ACTA SOUTH - PARCEL SE-358
Address:	ALAMEDA ST
City,State,Zip:	CARSON, CA 90745
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	04/09/2003
Global Id:	SL0603779405
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	33.8091323174248
Longitude:	-118.235172948193
Case Type:	Cleanup Program Site
Case Worker:	SH
Local Agency:	Not reported
RB Case Number:	0747G9
File Location:	Not reported
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

CHMIRS:

ACTA SOUTH - PARCEL SE-358 (Continued) **S106393819**

Name:	Not reported
Address:	ALAMEDA ST NEAR THE RAILROAD CROSSING BETWEEN LOMITA AND BANNING ST
City,State,Zip:	CARSON, CA 90731
OES Incident Number:	0-2160
OES notification:	05/16/2000
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2000
Agency:	Mobil
Incident Date:	5/16/200012:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Pipe Line
E Date:	Not reported
Substance:	Test water
BBLS:	1
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0

ACTA SOUTH - PARCEL SE-358 (Continued) **S106393819**

Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Pressuring the pipeline for a hydro static test and the line ruptured

---

J53 **WATSON LAND COMPANY DUMP** **SWF/LF** **S104156383**
North **22400 S ALAMEDA ST** **WMUDS/SWAT** **N/A**
1/4-1/2 **CARSON, CA 90810** **LDS**
0.337 mi. **CERS**
1780 ft. **Site 1 of 2 in cluster J**

Relative:
Higher

Actual:
28 ft.

SWF/LF (SWIS):

Name:	WATSON LAND COMPANY DUMP
Address:	22400 SO ALAMEDA ST
City,State,Zip:	CARSON, CA 99999
Region:	STATE
Facility ID:	19-AQ-5026
SWIS Number:	19-AQ-5026
Point of Contact:	Dawn Liang
Is Archived:	Yes
Is Closed Illegal Abandoned:	No
Is Site Inert Debris Engineered Fill:	No
Is Financial Assurances Responsible:	No
Absorbed On:	Not reported
Operational Status:	Closed
Absorbed By:	Not reported
Closed Illegal Abandoned Category:	Not reported
EPA Federal Registry ID:	Not reported
ARB District:	South Coast
SWRCB Region:	Los Angeles
Local Government:	Carson
Reporting Agency Legal Name:	County of Los Angeles
Reporting Agency Department:	Department of Public Health
Enforcing Agency Legal Name:	County of Los Angeles
Enforcing Agency Department:	Department of Public Health
Regulation Status:	Unpermitted

WMUDS/SWAT:

Edit Date:	Not reported
Complexity:	Not reported
Primary Waste:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Base Meridian:	Not reported
NPID:	Not reported
Tonnage:	0

WATSON LAND COMPANY DUMP (Continued) **S104156383**

Regional Board ID:	Not reported
Municipal Solid Waste:	False
Superorder:	False
Open To Public:	False
Waste List:	False
Agency Type:	Not reported
Agency Name:	WATSONLAND COMPANY
Agency Department:	Not reported
Agency Address:	Not reported
Agency City,St,Zip:	Not reported
Agency Contact:	Not reported
Agency Telephone:	Not reported
Land Owner Name:	Not reported
Land Owner Address:	Not reported
Land Owner City,St,Zip:	CA
Land Owner Contact:	Not reported
Land Owner Phone:	Not reported
Region:	4
Facility Type:	Not reported
Facility Description:	Not reported
Facility Telephone:	Not reported
SWAT Facility Name:	Not reported
Primary SIC:	Not reported
Secondary SIC:	Not reported
Comments:	Not reported
Last Facility Editors:	Not reported
Waste Discharge System:	False
Solid Waste Assessment Test Program:	True
Toxic Pits Cleanup Act Program:	False
Resource Conservation Recovery Act:	False
Department of Defence:	False
Solid Waste Assessment Test Program:	WATSONLAND COMPANY
Threat to Water Quality:	Not reported
Sub Chapter 15:	False
Regional Board Project Officer:	Not reported
Number of WMUDS at Facility:	1
Section Range:	Not reported
RCRA Facility:	Not reported
Waste Discharge Requirements:	Not reported
Self-Monitoring Rept. Frequency:	Not reported
Waste Discharge System ID:	4 190455NUR
Solid Waste Information ID:	Not reported

LDS:

Name:	HARDWICK DISPOSAL PITS - WATSON LAND CO,
Address:	22400 SOUTH ALAMEDA STREET
City,State,Zip:	CARSON, CA 90810
Global Id:	T10000004978
Latitude:	33.82089
Longitude:	-118.2287
Case Type:	Land Disposal Site
Status:	Pre-Title 27 CAI - Completed - Case Closed/No Monitoring
Status Date:	10/30/1985
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Caseworker:	WY
Local Agency:	Not reported

WATSON LAND COMPANY DUMP (Continued) **S104156383**

RB Case Number: 51-071
LOC Case Number: Not reported
File Location: Regional Board
Potential Media Affect: Not reported
EDR Link ID: T10000004978
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

CERS:
Name: WATSON LAND COMPANY DUMP
Address: 22400 S ALAMEDA ST
City,State,Zip: CARSON, CA 90810
Site ID: 504332
CERS ID: 110013960320
CERS Description: US EPA Air Emission Inventory System (EIS)

Name: HARDWICK DISPOSAL PITS - WATSON LAND CO,
Address: 22400 SOUTH ALAMEDA STREET
City,State,Zip: CARSON, CA 90810
Site ID: 208305
CERS ID: T10000004978
CERS Description: Land Disposal Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: Wen Yang - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4TH ST., SUITE 200
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 2136202253,

J54 **JOHNS-MANVILLE CARSON PLANT SITE** **SWF/LF** **S104156317**
North **22401 SOUTH ALAMEDA STREET** **WMUDS/SWAT** **N/A**
1/4-1/2 **CARSON, CA 90801**
0.337 mi.
1781 ft. **Site 2 of 2 in cluster J**

Relative:
Higher

Actual:
28 ft.

LOS ANGELES CO. LF:
Name: JOHNS-MANVILLE CARSON PLANT SITE
Address: 22401 SOUTH ALAMEDA STREET
City,State,Zip: CARSON, CA 90801
Site ID: 1965
Alt. Site Name: John Manville Corporation
Alt. Address: 2420 East 223rd Street, Carson, CA; 2350 East 223rd Street, Carson, CA 90810
Site Contact: Not reported
Site Contact Phone: Not reported
Site Email: Not reported
Site Website: Not reported
Site Type: Unknown
Site SWIS Number: 19-AQ-5034
Beginning Operation Date: 1937

JOHNS-MANVILLE CARSON PLANT SITE (Continued) **S104156317**

Ending Operation Date: 1982
Local Enforcement Agency: Not reported
Maximun Depth Fill(Ft): 35
Permitted Capacity: Not reported
Present Use: Commercial; Industrial
Remaining Capacity(Million): Not reported
Status: Closed
Waste Accepted: Asbestos; Hazardous Liquid
Hours of Operation: Not reported
Disposal Area (Acre): 15

Detail As Of 01/2014:
Operator Name: Johns Manville Products Corporation
Operator Address: Not reported
Operator City/State/Zip: Not reported
Operator Contact: Not reported
Operator Telephone: Not reported
Operator Email: Not reported
Owner Name: Manvilles Sales - Schuller Internation, INC.
Owner Address: P.O. Box 5108
Owner City/State/Zip: Denver, CO 80217
Owner Contact: Not reported
Owner Telephone: (303) 978-2790
Owner Email: Not reported
District: 2
Site Mailing Address: Not reported

WMUDS/SWAT:
Edit Date: 19950206
Complexity: Not reported
Primary Waste: Not reported
Primary Waste Type: Not reported
Secondary Waste: Not reported
Secondary Waste Type: Not reported
Base Meridian: Not reported
NPID: Not reported
Tonnage: 0
Regional Board ID: 53-163
Municipal Solid Waste: False
Superorder: False
Open To Public: False
Waste List: False
Agency Type: Not reported
Agency Name: MANVILLE SALES CORPORATION
Agency Department: MANAGER OF FACILITIES RESTORAT
Agency Address: P.O. BOX 5108
Agency City,St,Zip: DENVER 80217
Agency Contact: MARVIN CLUMPUS
Agency Telephone: 3039782790
Land Owner Name: Not reported
Land Owner Address: Not reported
Land Owner City,St,Zip: CA
Land Owner Contact: Not reported
Land Owner Phone: Not reported
Region: 4
Facility Type: Not reported
Facility Description: Not reported

JOHNS-MANVILLE CARSON PLANT SITE (Continued) **S104156317**

Facility Telephone:	Not reported
SWAT Facility Name:	Not reported
Primary SIC:	Not reported
Secondary SIC:	Not reported
Comments:	RCVD: 227,000 TONS
Last Facility Editors:	CDCCDCCDC
Waste Discharge System:	False
Solid Waste Assessment Test Program:	True
Toxic Pits Cleanup Act Program:	False
Resource Conservation Recovery Act:	False
Department of Defence:	False
Solid Waste Assessment Test Program:	MANVILLE SALES CORPORATION
Threat to Water Quality:	Not reported
Sub Chapter 15:	False
Regional Board Project Officer:	DJP
Number of WMUDS at Facility:	1
Section Range:	Not reported
RCRA Facility:	Not reported
Waste Discharge Requirements:	Not reported
Self-Monitoring Rept. Frequency:	Not reported
Waste Discharge System ID:	4 190058NUR
Solid Waste Information ID:	Not reported

K55 **CITY OF LONG BEACH** **LUST** **S110654419**
ENE **SANTA FE AVE** **N/A**
1/4-1/2 **LONG BEACH, CA 90810**
0.355 mi.
1872 ft. **Site 1 of 2 in cluster K**

Relative:
Higher

Actual:
25 ft.

LUST:

Name:	CITY OF LONG BEACH
Address:	SANTA FE AVE
City,State,Zip:	LONG BEACH, CA 90810
Lead Agency:	LONG BEACH, CITY OF
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603700028
Global Id:	T0603700028
Latitude:	33.8149583
Longitude:	-118.2169033
Status:	Completed - Case Closed
Status Date:	04/03/2009
Case Worker:	Not reported
RB Case Number:	001020
Local Agency:	Not reported
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Aviation
Site History:	Not reported

LUST:

Global Id:	T0603700028
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov

CITY OF LONG BEACH (Continued) **S110654419**

Phone Number: Not reported

LUST:
Global Id: T0603700028
Action Type: Other
Date: 06/22/1986
Action: Leak Reported

Global Id: T0603700028
Action Type: ENFORCEMENT
Date: 07/31/2006
Action: InterAgency Agreement

LUST:
Global Id: T0603700028
Status: Open - Case Begin Date
Status Date: 06/22/1986

Global Id: T0603700028
Status: Open - Site Assessment
Status Date: 06/22/1986

Global Id: T0603700028
Status: Completed - Case Closed
Status Date: 04/03/2009

K56 **CITY OF LONG BEACH** **LUST** **S101296790**
ENE **SANTA FE AVE** **Cortese** **N/A**
1/4-1/2 **LONG BEACH, CA 90810** **HIST CORTESE**
0.355 mi.
1872 ft. **Site 2 of 2 in cluster K**

Relative: Higher
Actual: 25 ft.

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 001020
Status: Leak being confirmed
Substance: 1
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603700028
W Global ID: Not reported
Staff: UNK
Local Agency: 19060
Cross Street: ANAHEIM
Enforcement Type: Not reported
Date Leak Discovered: Not reported
Date Leak First Reported: 6/22/1986
Date Leak Record Entered: 8/5/1987
Date Confirmation Began: 6/22/1986
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 6/22/1986
Date the Case was Closed: Not reported

CITY OF LONG BEACH (Continued) **S101296790**

How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 6165.811276146733937025248914 7
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: CITY OF LONG BEACH
RP Address: 333 W OCEAN BLVD, LONG BEACH, CA
Program: LUST
Lat/Long: 33.8149583 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

CORTESE:
Name: CITY OF LONG BEACH
Address: SANTA FE AVE
City,State,Zip: LONG BEACH, CA 90810
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0603700028
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported

CITY OF LONG BEACH (Continued) **S101296790**

WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

HIST CORTESE:
edr_fname: CITY OF LONG BEACH
edr_fadd1: SANTA FE AVE
City,State,Zip: LONG BEACH, CA 90810
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 001020

L57 **ALAMEDA STREET LANDFILL** **SWF/LF** **S102360893**
NNW **22700 SO ALAMEDA ST** **LOS ANGELES CO LF METHANE** **N/A**
1/4-1/2 **CARSON, CA 90745**
0.355 mi.
1877 ft. **Site 1 of 5 in cluster L**

Relative:
Higher

Actual:
27 ft.

LOS ANGELES CO. LF:
Name: ALAMEDA STREET LANDFILL
Address: 22700 SOUTH ALAMEDA STREET
City,State,Zip: CARSON, CA 90745
Site ID: 1870
Alt. Site Name: Carson Alameda Public Dump; Cassidy & Chrisman Co Land Reclamation; D & D Property Maintenance
Alt. Address: 23000 South Alameda Street, Long Beach, CA 90510
Site Contact: Not reported
Site Contact Phone: Not reported
Site Email: Not reported
Site Website: Not reported
Site Type: Municipal Solid Waste Landfill
Site SWIS Number: 19-AQ-0013
Beginning Operation Date: Not reported
Ending Operation Date: Oct-63
Local Enforcement Agency: County Public Health
Maximun Depth Fill(Ft): 25
Permitted Capacity: Not reported
Present Use: Commercial
Remaining Capacity(Million): Not reported
Status: Closed
Waste Accepted: Not reported
Hours of Operation: Not reported
Disposal Area (Acre): 57

Detail As Of 01/2014:
Operator Name: J.A. Cassidy
Operator Address: Not reported
Operator City/State/Zip: Not reported
Operator Contact: Not reported
Operator Telephone: Not reported
Operator Email: Not reported
Owner Name: Watson Land Company
Owner Address: 22010 South Wilmington Ave; Suite 400
Owner City/State/Zip: Carson, CA 90745
Owner Contact: Mike Genewick
Owner Telephone: (310) 755-3486
Owner Email: Not reported

ALAMEDA STREET LANDFILL (Continued) **S102360893**

District: 2
Site Mailing Address: Not reported

SWF/LF (SWIS):

Name:	ALAMEDA STREET LANDFILL
Address:	22700 SO ALAMEDA ST
City,State,Zip:	CARSON, CA 90745
Region:	STATE
Facility ID:	19-AQ-0013
SWIS Number:	19-AQ-0013
Point of Contact:	Dawn Liang
Is Archived:	No
Is Closed Illegal Abandoned:	Yes
Is Site Inert Debris Engineered Fill:	No
Is Financial Assurances Responsible:	No
Absorbed On:	Not reported
Operational Status:	Closed
Absorbed By:	Not reported
Closed Illegal Abandoned Category:	C2
EPA Federal Registry ID:	Not reported
ARB District:	South Coast
SWRCB Region:	Los Angeles
Local Government:	Carson
Reporting Agency Legal Name:	County of Los Angeles
Reporting Agency Department:	Department of Public Health
Enforcing Agency Legal Name:	County of Los Angeles
Enforcing Agency Department:	Department of Public Health
Regulation Status:	Unpermitted

Activity:

SWIS Number:	19-AQ-0013
Site Name:	Alameda Street Landfill
Activity:	Solid Waste Disposal Site
Activity Is Archived:	No
Category:	Disposal
Activity Classification:	Solid Waste Disposal Site
WDR Number:	Not reported
WDR Landfill Class:	Not reported
Cease Operation:	Not reported
Cease Operation Type:	Not reported
Inspection Frequency:	Annual
Throughput:	Not reported
Throughput Units:	Not reported
Remaining Capacity:	Not reported
Remaining Capacity Date:	Not reported
Capacity:	Not reported
Capacity Units:	Not reported
Total Acreage:	0
Disposal Acreage:	0
Permitted Elevation:	Not reported
Permitted Elevation Type:	Not reported
Permitted Depth:	Not reported
Permitted Depth Type:	Not reported
Point of Contact:	Dawn Liang
Site Operational Status:	Closed
Site Regulatory Status:	Unpermitted
Site Is Archived:	No

ALAMEDA STREET LANDFILL (Continued) **S102360893**

Is Closed Illegal Abandoned:	Yes
Is Site Inert Debris Engineered Fill:	No
Is Financial Assurances Responsible:	No
Absorbed On:	Not reported
Absorbed By:	Not reported
Closed Illegal Abandoned Category:	C2
EPA Federal Registry ID:	Not reported
County:	Los Angeles
ARB District:	South Coast
SWRCB Region:	Los Angeles
Local Government:	Carson
Street Address:	22700 So Alameda St
City:	Carson
State:	CA
ZIP Code:	90745
Reporting Agency Legal Name:	County of Los Angeles
Reporting Agency Department:	Department of Public Health
Enforcing Agency Legal Name:	County of Los Angeles
Enforcing Agency Department:	Department of Public Health

Owner:

SWIS Number:	19-AQ-0013
Owner:	Watson Land Company
Owner Address:	22010 Wilmington Ave Ste 400
Owner City:	Carson
Owner State:	CA
Owner Zip:	90745
Site Name:	Alameda Street Landfill
Site Operational Status:	Closed
Site Type:	Disposal Only
Site Regulatory Status:	Unpermitted
Latitude:	33.81667
Longitude:	-118.22778
Is Archived:	No
Started On:	Not reported
Contact Name:	Jerry Weeks
Contact Title:	Vp Development And Emergency
Contact Email:	Not reported
Contact Phone:	(310) 775-3486

LOS ANGELES CO LF METHANE:

Name:	ALAMEDA STREET LANDFILL
Address:	22700 SOUTH ALAMEDA STREET
City,State,Zip:	CARSON, CA 90745
Site Number:	1870
Status:	Closed
Description:	Designated Waste Landfill
Operator Name:	J.A. Cassidy
Operator Telephone:	Not reported
Sup District:	Not reported
Shape Length:	Not reported
Shape Area:	Not reported
Latitude:	Not reported
Longitude:	Not reported

L58 **ALAMEDA STREET** **WMUDS/SWAT** **S104156307**
NNW **22700 SOUTH ALAMEDA STREET** **N/A**
1/4-1/2 **CARSON, CA**
0.355 mi.
1877 ft. **Site 2 of 5 in cluster L**

Relative:
Higher

Actual:
27 ft.

WMUDS/SWAT:

Edit Date:	Not reported
Complexity:	Not reported
Primary Waste:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Base Meridian:	Not reported
NPID:	Not reported
Tonnage:	0
Regional Board ID:	Not reported
Municipal Solid Waste:	False
Superorder:	False
Open To Public:	False
Waste List:	False
Agency Type:	Not reported
Agency Name:	ALAMEDA STREET
Agency Department:	Not reported
Agency Address:	2900 SOUTH ALAMEDA
Agency City,St,Zip:	CARSON
Agency Contact:	Not reported
Agency Telephone:	Not reported
Land Owner Name:	DRESSER, NETTIE CO. EXEC.
Land Owner Address:	P.O. BOX 01736
Land Owner City,St,Zip:	LOS ANGELES, CA 90001
Land Owner Contact:	Not reported
Land Owner Phone:	Not reported
Region:	4
Facility Type:	Not reported
Facility Description:	Not reported
Facility Telephone:	Not reported
SWAT Facility Name:	Not reported
Primary SIC:	Not reported
Secondary SIC:	Not reported
Comments:	Not reported
Last Facility Editors:	Not reported
Waste Discharge System:	False
Solid Waste Assessment Test Program:	True
Toxic Pits Cleanup Act Program:	False
Resource Conservation Recovery Act:	False
Department of Defence:	False
Solid Waste Assessment Test Program:	ALAMEDA STREET
Threat to Water Quality:	Not reported
Sub Chapter 15:	False
Regional Board Project Officer:	R_N
Number of WMUDS at Facility:	1
Section Range:	Not reported
RCRA Facility:	Not reported
Waste Discharge Requirements:	Not reported
Self-Monitoring Rept. Frequency:	Not reported
Waste Discharge System ID:	4 190017NUR
Solid Waste Information ID:	Not reported

L59
NNW
1/4-1/2
0.355 mi.
1877 ft.

CASSIDY & CRISMAN-CARSON
22700 SOUTH ALAMEDA
CARSON, CA

Site 3 of 5 in cluster L

WMUDS/SWAT **S104156337**
N/A

Relative:
Higher

Actual:
27 ft.

WMUDS/SWAT:

Edit Date:	Not reported
Complexity:	Not reported
Primary Waste:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Base Meridian:	Not reported
NPID:	Not reported
Tonnage:	0
Regional Board ID:	Not reported
Municipal Solid Waste:	False
Superorder:	False
Open To Public:	False
Waste List:	False
Agency Type:	Not reported
Agency Name:	CASSIDY & CRISMAN
Agency Department:	Not reported
Agency Address:	Not reported
Agency City,St,Zip:	Not reported
Agency Contact:	Not reported
Agency Telephone:	Not reported
Land Owner Name:	Not reported
Land Owner Address:	Not reported
Land Owner City,St,Zip:	CA
Land Owner Contact:	Not reported
Land Owner Phone:	Not reported
Region:	4
Facility Type:	Not reported
Facility Description:	Not reported
Facility Telephone:	Not reported
SWAT Facility Name:	Not reported
Primary SIC:	Not reported
Secondary SIC:	Not reported
Comments:	Not reported
Last Facility Editors:	Not reported
Waste Discharge System:	False
Solid Waste Assessment Test Program:	True
Toxic Pits Cleanup Act Program:	False
Resource Conservation Recovery Act:	False
Department of Defence:	False
Solid Waste Assessment Test Program:	CASSIDY & CRISMAN
Threat to Water Quality:	Not reported
Sub Chapter 15:	False
Regional Board Project Officer:	LT
Number of WMUDS at Facility:	1
Section Range:	Not reported
RCRA Facility:	Not reported
Waste Discharge Requirements:	Not reported
Self-Monitoring Rept. Frequency:	Not reported
Waste Discharge System ID:	4 190175NUR
Solid Waste Information ID:	Not reported

M60 **CHEMOIL TERMINALS CORPORATION** **CPS-SLIC** **S102002384**
SSE **2365 E SEPULVEDA BLVD** **CERS HAZ WASTE** **N/A**
1/4-1/2 **CARSON, CA 90810** **CERS TANKS**
0.359 mi. **EMI**
1896 ft. **Site 1 of 3 in cluster M** **LOS ANGELES CO. HMS**
NPDES
Relative: Higher **WDS**
CIWQS
Actual: 29 ft. **CERS**

CPS-SLIC:

Name:	OLYMPUS TERMINALS (FORMER CHEMOIL TANK FARM)
Address:	2365 E. SEPULVEDA BLVD
City,State,Zip:	CARSON, CA
Region:	STATE
Facility Status:	**Open - Site Assessment**
Status Date:	05/19/2009
Global Id:	SL374472460
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	33.8068232987013
Longitude:	-118.22696685791
Case Type:	Cleanup Program Site
Case Worker:	NLA
Local Agency:	Not reported
RB Case Number:	0453B
File Location:	Regional Board
Potential Media Affected:	Aquifer used for drinking water supply, Indoor Air, Other Groundwater (uses other than drinking water), Sediments, Soil, Soil Vapor, Under Investigation
Potential Contaminants of Concern:	Lead, Benzene, Ethylbenzene, MTBE / TBA / Other Fuel Oxygenates, Toluene, Total Petroleum Hydrocarbons (TPH), Xylene
Site History:	This site is a petroleum terminal and tank farm. Groundwater is impacted by petroleum hydrocarbons with the primary contaminant being benzene at concentrations up to 1,800 ug/L (as of March 2009 sampling). Other groundwater contaminants include total xylenes, MTBE, TBA, and dissolved lead. The groundwater plume appears to be stable on-site, with the possible exception of MTBE transport to the west. The source area onsite is unknown.

Click here to access the California GeoTracker records for this facility:

CERS HAZ WASTE:

Name:	OLYMPUS TERMINALS LLC
Address:	2365 E SEPULVEDA BLVD
City,State,Zip:	LONG BEACH, CA 90810
Site ID:	18146
CERS ID:	10399510
CERS Description:	Hazardous Waste Generator

Name:	OLYMPUS TERMINALS LLC
Address:	2365 E SEPULVEDA BLVD
City,State,Zip:	LONG BEACH, CA 90810
Site ID:	18146
CERS ID:	10399510
CERS Description:	Hazardous Waste Onsite Treatment

CERS TANKS:

CHEMOIL TERMINALS CORPORATION (Continued) **S102002384**

Name:	OLYMPUS TERMINALS LLC
Address:	2365 E SEPULVEDA BLVD
City,State,Zip:	LONG BEACH, CA 90810
Site ID:	18146
CERS ID:	10399510
CERS Description:	Aboveground Petroleum Storage

EMI:

Name:	CHEMOIL REF CORP (NSR USE ONLY
Address:	2365 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 908101944
Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	800272
Air District Name:	SC
SIC Code:	5171
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	15
Reactive Organic Gases Tons/Yr:	13
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	CHEMOIL REF CORP (NSR USE ONLY
Address:	2365 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 908101944
Year:	1993
County Code:	19
Air Basin:	SC
Facility ID:	800272
Air District Name:	SC
SIC Code:	5171
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	44
Reactive Organic Gases Tons/Yr:	29
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	CHEMOIL REF CORP (NSR USE ONLY
Address:	2365 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 908101944
Year:	1995
County Code:	19
Air Basin:	SC
Facility ID:	800272
Air District Name:	SC
SIC Code:	5171

CHEMOIL TERMINALS CORPORATION (Continued) **S102002384**

Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	44
Reactive Organic Gases Tons/Yr:	29
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	CHEMOIL REF CORP (NSR USE ONLY
Address:	2365 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 908101944
Year:	1996
County Code:	19
Air Basin:	SC
Facility ID:	800272
Air District Name:	SC
SIC Code:	5171
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	44
Reactive Organic Gases Tons/Yr:	30
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	CHEMOIL TERMINALS CORPORATION
Address:	2365 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 908101944
Year:	1997
County Code:	19
Air Basin:	SC
Facility ID:	800272
Air District Name:	SC
SIC Code:	5171
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	40
Reactive Organic Gases Tons/Yr:	26
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	CHEMOIL TERMINALS CORPORATION
Address:	2365 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 908101944
Year:	1998
County Code:	19
Air Basin:	SC

CHEMOIL TERMINALS CORPORATION (Continued) **S102002384**

Facility ID:	800272
Air District Name:	SC
SIC Code:	5171
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	40
Reactive Organic Gases Tons/Yr:	26
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	CHEMOIL TERMINALS CORPORATION
Address:	2365 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 908101944
Year:	1999
County Code:	19
Air Basin:	SC
Facility ID:	800272
Air District Name:	SC
SIC Code:	5171
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	40
Reactive Organic Gases Tons/Yr:	26
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	CHEMOIL TERMINALS CORPORATION
Address:	2365 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 908101944
Year:	2000
County Code:	19
Air Basin:	SC
Facility ID:	800272
Air District Name:	SC
SIC Code:	5171
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	40
Reactive Organic Gases Tons/Yr:	26
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	CHEMOIL REF CORP (NSR USE ONLY)
Address:	2365 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 908101944

CHEMOIL TERMINALS CORPORATION (Continued) **S102002384**

Year:	2001
County Code:	19
Air Basin:	SC
Facility ID:	800272
Air District Name:	SC
SIC Code:	5171
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	B
Total Organic Hydrocarbon Gases Tons/Yr:	30
Reactive Organic Gases Tons/Yr:	19
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	CHEMOIL TERMINALS CORPORATION
Address:	2365 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 908101944
Year:	2005
County Code:	19
Air Basin:	SC
Facility ID:	800272
Air District Name:	SC
SIC Code:	5171
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	44.395005
Reactive Organic Gases Tons/Yr:	43.5516240325
Carbon Monoxide Emissions Tons/Yr:	.001423
NOX - Oxides of Nitrogen Tons/Yr:	.02585
SOX - Oxides of Sulphur Tons/Yr:	.0000451
Particulate Matter Tons/Yr:	.017835
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.0178336

Name:	CHEMOIL TERMINALS CORPORATION
Address:	2365 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 908101944
Year:	2006
County Code:	19
Air Basin:	SC
Facility ID:	800272
Air District Name:	SC
SIC Code:	5171
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	22.10089942867557202
Reactive Organic Gases Tons/Yr:	17.113
Carbon Monoxide Emissions Tons/Yr:	.006
NOX - Oxides of Nitrogen Tons/Yr:	.087
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	.054
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.05184

CHEMOIL TERMINALS CORPORATION (Continued) **S102002384**

Name:	CHEMOIL TERMINALS CORPORATION
Address:	2365 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 908101944
Year:	2007
County Code:	19
Air Basin:	SC
Facility ID:	800272
Air District Name:	SC
SIC Code:	5171
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	18.28691522792868601
Reactive Organic Gases Tons/Yr:	17.113
Carbon Monoxide Emissions Tons/Yr:	.006
NOX - Oxides of Nitrogen Tons/Yr:	.087
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	.054
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.05184

Name:	CHEMOIL TERMINALS CORPORATION
Address:	2365 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90810
Year:	2008
County Code:	19
Air Basin:	SC
Facility ID:	800272
Air District Name:	SC
SIC Code:	5171
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	14.84511595376229257
Reactive Organic Gases Tons/Yr:	13.900943418923
Carbon Monoxide Emissions Tons/Yr:	.00705462505
NOX - Oxides of Nitrogen Tons/Yr:	.110260373
SOX - Oxides of Sulphur Tons/Yr:	.0002348093675
Particulate Matter Tons/Yr:	.07017175
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.06737175

Name:	CHEMOIL TERMINALS CORPORATION
Address:	2365 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90810
Year:	2009
County Code:	19
Air Basin:	SC
Facility ID:	800272
Air District Name:	SC
SIC Code:	5171
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	14.895987240356099
Reactive Organic Gases Tons/Yr:	14.0658391
Carbon Monoxide Emissions Tons/Yr:	3.9144000000000001E-4
NOX - Oxides of Nitrogen Tons/Yr:	6.5440000000000003E-3
SOX - Oxides of Sulphur Tons/Yr:	1.1518999999999999E-5

CHEMOIL TERMINALS CORPORATION (Continued) **S102002384**

Particulate Matter Tons/Yr: 4.3220999999999997E-3
Part. Matter 10 Micrometers and Smllr Tons/Yr: 4.1524999999999999E-3

Name: CHEMOIL TERMINALS CORPORATION
Address: 2365 E SEPULVEDA BLVD
City,State,Zip: CARSON, CA 90810
Year: 2010
County Code: 19
Air Basin: SC
Facility ID: 800272
Air District Name: SC
SIC Code: 5171
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 15.4120991223567
Reactive Organic Gases Tons/Yr: 14.562949164167
Carbon Monoxide Emissions Tons/Yr: 6.8000000000000005E-4
NOX - Oxides of Nitrogen Tons/Yr: 1.1429999999999999E-2
SOX - Oxides of Sulphur Tons/Yr: 1.6500000000000001E-5
Particulate Matter Tons/Yr: 7.5300000000000002E-3
Part. Matter 10 Micrometers and Smllr Tons/Yr: 7.4327999999999998E-3

Name: CHEMOIL TERMINALS CORPORATION
Address: 2365 E SEPULVEDA BLVD
City,State,Zip: CARSON, CA 90810
Year: 2011
County Code: 19
Air Basin: SC
Facility ID: 800272
Air District Name: SC
SIC Code: 5171
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 17.730348952
Reactive Organic Gases Tons/Yr: 16.919435851
Carbon Monoxide Emissions Tons/Yr: 0.00133
NOX - Oxides of Nitrogen Tons/Yr: 0.0223
SOX - Oxides of Sulphur Tons/Yr: 3.9361934e-005
Particulate Matter Tons/Yr: 0.01471
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0.0145864

Name: CHEMOIL TERMINALS CORPORATION
Address: 2365 E SEPULVEDA BLVD
City,State,Zip: CARSON, CA 90810
Year: 2012
County Code: 19
Air Basin: SC
Facility ID: 800272
Air District Name: SC
SIC Code: 5171
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 22.888126626
Reactive Organic Gases Tons/Yr: 22.07438498

CHEMOIL TERMINALS CORPORATION (Continued) **S102002384**

Carbon Monoxide Emissions Tons/Yr: 0.00859
NOX - Oxides of Nitrogen Tons/Yr: 0.13398
SOX - Oxides of Sulphur Tons/Yr: 0.00078
Particulate Matter Tons/Yr: 0.00643
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0.0062552

Name: CHEMOIL TERMINALS CORPORATION
Address: 2365 E SEPULVEDA BLVD
City,State,Zip: CARSON, CA 90810
Year: 2013
County Code: 19
Air Basin: SC
Facility ID: 800272
Air District Name: SC
SIC Code: 5171
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 21.568368351
Reactive Organic Gases Tons/Yr: 20.663034707
Carbon Monoxide Emissions Tons/Yr: 0.05188
NOX - Oxides of Nitrogen Tons/Yr: 0.51693
SOX - Oxides of Sulphur Tons/Yr: 0.00301
Particulate Matter Tons/Yr: 0.05665
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0.0548304

Name: CHEMOIL TERMINALS CORPORATION
Address: 2365 E SEPULVEDA BLVD
City,State,Zip: CARSON, CA 90810
Year: 2014
County Code: 19
Air Basin: SC
Facility ID: 800272
Air District Name: SC
SIC Code: 5171
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 29.472302441
Reactive Organic Gases Tons/Yr: 22.3315
Carbon Monoxide Emissions Tons/Yr: 0.08925
NOX - Oxides of Nitrogen Tons/Yr: 0.3315
SOX - Oxides of Sulphur Tons/Yr: 0.00153
Particulate Matter Tons/Yr: 0.01912
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0.018164

LOS ANGELES CO. HMS:
Name: CHEMOIL REFINING CORP
Address: 2365 E SEPULVEDA BLVD
City,State,Zip: CARSON, CA 908101944
Region: LA
Permit Category: Not reported
Facility Id: 001480-001554
Facility Type: Not reported
Facility Status: OPEN
Area: 22
Permit Number: Not reported

CHEMOIL TERMINALS CORPORATION (Continued) **S102002384**

Permit Status: Not reported

NPDES:

Name:	CHEMOIL TERMINALS CORPORATION
Address:	2365 E SEPULVEDA BLVD
City,State,Zip:	LONG BEACH, CA 90810
Facility Status:	Terminated
NPDES Number:	CAS000001
Region:	4
Agency Number:	0
Regulatory Measure ID:	188869
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	4 19I001838
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	03/30/1992
Termination Date Of Regulatory Measure:	06/03/2022
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	2365 E Sepulveda Blvd
Discharge Name:	Chemoil Corporation
Discharge City:	Long Beach
Discharge State:	California
Discharge Zip:	90802
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	188869
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19I001838
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	03/30/1992
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Chemoil Corporation
Discharge Address:	2365 E Sepulveda Blvd
Discharge City:	Long Beach
Discharge State:	California
Discharge Zip:	90802
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported

CHEMOIL TERMINALS CORPORATION (Continued) **S102002384**

Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4

CHEMOIL TERMINALS CORPORATION (Continued) **S102002384**

Regulatory Measure ID:	188869
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19I001838
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	03/30/1992
Status:	Active
Status Date:	09/01/2010
Place Size:	15
Place Size Unit:	Acres
Contact:	Sampson Tang
Contact Title:	Compliance Manager
Contact Phone:	562-485-4214
Contact Phone Ext:	Not reported
Contact Email:	sampson.tang@chemoil.com
Operator Name:	Chemoil Corporation
Operator Address:	2365 E Sepulveda Blvd
Operator City:	Long Beach
Operator State:	California
Operator Zip:	90802
Operator Contact:	Sampson Tang
Operator Contact Title:	Compliance Manager
Operator Contact Phone:	562-485-4214
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	sampson.tang@chemoil.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	562-424-8515
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported

CHEMOIL TERMINALS CORPORATION (Continued) **S102002384**

Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Pacific Ocean
Certifier:	Sampson Tang
Certifier Title:	Mr. Compliance Engineer
Certification Date:	26-JUN-15
Primary Sic:	5171-Petroleum Bulk Stations and Terminals
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

WDS:

Name:	CHEMOIL TERMINALS CORP.
Address:	2365 E Sepulveda Blvd
City:	CARSON
Facility ID:	4 19I001838
Facility Type:	Other - Does not fall into the category of Municipal/Domestic, Industrial, Agricultural or Solid Waste (Class I, II or III)
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	4
Facility Telephone:	5624276611
Facility Contact:	Ken Ezoe
Agency Name:	CHEMOIL TERMINALS CORP.
Agency Address:	Not reported
Agency City,St,Zip:	0
Agency Contact:	Not reported
Agency Telephone:	Not reported
Agency Type:	Private
SIC Code:	5171
SIC Code 2:	Not reported
Primary Waste Type:	Nonhazardous Solid Wastes/Influent or Solid Wastes that contain nonhazardous putrescible and non putrescible solid, semisolid, and liquid wastes (E.G., garbage, trash, refuse, paper, demolition and construction wastes, manure, vegetable or animal solid and semisolid waste).
Primary Waste:	STORMS
Waste Type2:	Not reported
Waste2:	Stormwater Runoff
Primary Waste Type:	Nonhazardous Solid Wastes/Influent or Solid Wastes that contain nonhazardous putrescible and non putrescible solid, semisolid, and liquid wastes (E.G., garbage, trash, refuse, paper, demolition and construction wastes, manure, vegetable or animal solid and semisolid waste).
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	No reclamation requirements associated with this facility.
POTW:	The facility is not a POTW.

CHEMOIL TERMINALS CORPORATION (Continued) **S102002384**

Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.

Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

CIWQS:

Name:	CHEMOIL TERMINALS CORPORATION
Address:	2365 E SEPULVEDA BLVD
City,State,Zip:	LONG BEACH, CA 90810
Agency:	Chemoil Corporation
Agency Address:	2365 E Sepulveda Blvd, Long Beach, CA 90802
Place/Project Type:	Industrial - Petroleum Bulk Stations and Terminals
SIC/NAICS:	5171
Region:	4
Program:	INDSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	4 19I001838
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	03/30/1992
Termination Date:	06/03/2022
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	1
Violations within 5 years:	2
Latitude:	33.80555
Longitude:	-118.22571

CERS:

Name:	OLYMPUS TERMINALS (FORMER CHEMOIL TANK FARM)
Address:	2365 E. SEPULVEDA BLVD
City,State,Zip:	CARSON, CA
Site ID:	259961
CERS ID:	SL374472460
CERS Description:	Cleanup Program Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	NICOLE ALKOV - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	320 W 4th Street, Suite 200
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported

CHEMOIL TERMINALS CORPORATION (Continued) **S102002384**

Affiliation Zip: Not reported
Affiliation Phone: 2135766677,

Name: CHEMOIL TERMINALS CORP
Address: 2365 EAST SEPULVEDA BOULEVARD
City,State,Zip: CARSON, CA 90810-1944
Site ID: 458997
CERS ID: 110000476413
CERS Description: US EPA Air Emission Inventory System (EIS)

Affiliation:
Affiliation Type Desc: Public Contact
Entity Name: Sampson Tang
Entity Title: Not reported
Affiliation Address: 2365 E SEPULVEDA BLVD
Affiliation City: LONGBEACH
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Property Owner
Entity Name: Watson Land
Entity Title: Not reported
Affiliation Address: 22010 WILMINGTON AVENUE
Affiliation City: CARSON
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: SAMPSON TANG
Entity Title: EHS & COMPLIANCE ENGINEER
Affiliation Address: 2365 EAST SEPULVEDA BLVD
Affiliation City: CARSON
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Name: OLYMPUS TERMINALS LLC
Address: 2365 E SEPULVEDA BLVD
City,State,Zip: LONG BEACH, CA 90810
Site ID: 18146
CERS ID: 10399510
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 18146
Site Name: OLYMPUS TERMINALS LLC
Violation Date: 09-22-2022
Citation: 22 CCR 45 67450.13(b) - California Code of Regulations, Title 22, Chapter 45, Section(s) 67450.13(b)
Violation Description: Failure to prepare a written estimate of the cost of closing each unit which includes the cost that would be incurred for closing a treatment

CHEMOIL TERMINALS CORPORATION (Continued) **S102002384**

unit when using the owner or operator or generator's own staff and/or personal equipment taking into account any salvage value that may be realized from the sale of wastes, facility structure or equipment, land or other facility assets. This estimate shall be submitted as an attachment to the Certification of Financial Assurance for Permit by Rule and Conditionally Authorized Operations/ Maintenance page(s) of the Unified Program Consolidated Form (x/99)).

Violation Notes: OBSERVATION: A written estimate of closure costs for the fixed treatment unit(s) has not been submitted to the CERS. A owner/operator shall prepare a written estimate of the cost of closing each unit. Observed Closure Cost Estimate not submitted to CERS. CORRECTIVE ACTION: Submit the written estimate of closure costs for financial assurance for each unit to the CERS. OBSERVATION: Owner/Operator did not prepare, did not prepare correctly, and/or did not submit to the UPA, the Certification of Financial Assurance. Observed facility is permitted for Onsite Permit-By-Rule Hazardous Waste Treatment, however, Financial Assurance Certification page submitted claims facility is operating Conditionally Authorized Hazardous WasteTreatment. CORRECTIVE ACTION: Correctly prepare and submit to the UPA, the Certification of Financial Assurance.

Violation Division: Los Angeles County Fire Department
Violation Program: PBR
Violation Source: CERS,

Site ID: 18146
Site Name: OLYMPUS TERMINALS LLC
Violation Date: 09-22-2022
Citation: 22 CCR 45 67450.2(b)(3)(B)(G) - California Code of Regulations, Title 22, Chapter 45, Section(s) 67450.2(b)(3)(B)(G)

Violation Description: Failure to identify the following information in CERS: all generator information, all Permit-by-Rule treatment units, accurately list number of tanks and containers in each unit, and plot plan/map that shows unit locations are properly identified.

Violation Notes: OBSERVATION: Owner/Operator failed to identify one or more of the following in CERS: all generator information, all Permit-by-rule treatment units, accurately list number of tanks and containers in each unit, and/or plot plan/map that shows unit locations are properly Identified. Observed the following: - Location of treatment unit not identified on plot plan/map - Local Agency Notification has not been submitted - Property Owner Notification has not been submitted - Tank & Container Certification has not been submitted - Prior Enforcement History has not been submitted CORRECTIVE ACTION: Correctly report in CERS the items noted above as incomplete or incorrect.

Violation Division: Los Angeles County Fire Department
Violation Program: PBR
Violation Source: CERS,

Site ID: 18146
Site Name: OLYMPUS TERMINALS LLC
Violation Date: 05-01-2019
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)

Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.

Violation Notes: Returned to compliance on 05/30/2019. OBSERVATION: The following

CHEMOIL TERMINALS CORPORATION (Continued) **S102002384**

containers of hazardous waste were observed with incomplete or no hazardous waste (HW) labels: - 1 x 35-gallon self-closing metal container (yellow) containing HW oily debris located at the maintenance area was observed without a proper HW label; - 1 x 55-gallon drum containing HW paint/chemical wastes (from crushing aerosol cans) located at the maintenance area was observed without a proper HW label; CORRECTIVE ACTION: Submit a photo to the CUPA demonstrating that the container listed above has been properly labeled.

Violation Division: Los Angeles County Fire Department
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 18146
Site Name: OLYMPUS TERMINALS LLC
Violation Date: 05-01-2019
Citation: 22 CCR 11 66261.7 - California Code of Regulations, Title 22, Chapter 11, Section(s) 66261.7
Violation Description: Failure to manage empty containers greater than 5 gallons in capacity that previously held a hazardous material/waste in accordance with 22 CCR 11 66261.7 including but not limited to the following: (e)(2)By reclaiming its scrap value onsite or shipping the container or inner liner to a person who reclaims its scrap value; or (3) By reconditioning or remanufacturing the container or inner liner onsite for subsequent reuse, or shipping the container or inner liner to a person who reconditions or remanufactures the container or inner liner; or (4) By shipping the container or inner liner to a supplier or to another intermediate collection location for accumulation prior to managing the container or inner liner pursuant to subsections (e)(2) or (e)(3) of 22 CCR 11 66261.7; or (i) By shipping the container or inner liner back to the supplier for the purpose of being refilled. (f) A container or an inner liner removed from a container larger than five gallons in capacity which is managed pursuant to subsection (e) of 22 CCR 11 66261.7 shall be marked with the date it has been emptied and shall be managed within one year of being emptied.
Violation Notes: Returned to compliance on 05/30/2019. OBSERVATION: Observed multiple 55-gallon used and empty drums located near the wastewater treatment area without a proper empty label. CORRECTIVE ACTION: Submit photos/documentation to this department demonstrating that the empty containers listed above have been marked with the date they were emptied and are being properly managed pursuant to 22 CCR 11 66261.7.
Violation Division: Los Angeles County Fire Department
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 18146
Site Name: OLYMPUS TERMINALS LLC
Violation Date: 09-22-2022
Citation: HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 12/09/2022. OBSERVATION: The business failed to electronically submit complete and accurate chemical inventory information for all hazardous materials on site at or above reportable

CHEMOIL TERMINALS CORPORATION (Continued) **S102002384**

quantities. Observed the following materials above reportable quantities stored on site but not reported to CERS: Sodium Hypochlorite - 7 x 55 gallons Caustic Soda - 2 x 55 gallons Cationic Polymer - 1 x 250 gallons MCC 2100C SD - approx 3000 gallons Zyme Ox - 4 x 55 gallons B240 - approx 55-200 gallons CORRECTIVE ACTION: Electronically submit complete and accurate chemical inventory information for all hazardous materials on site at or above reportable quantities.

Violation Division: Los Angeles County Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 18146
Site Name: OLYMPUS TERMINALS LLC
Violation Date: 09-22-2022
Citation: HSC 6.5 25201.16(j) - California Health and Safety Code, Chapter 6.5, Section(s) 25201.16(j)
Violation Description: Failure to notify the CUPA of aerosol can processing procedures prior to commencement of operations
Violation Notes: OBSERVATION: Owner/Operator failed to notify UPA of aerosol can processing procedures prior to starting this process. Observed aerosol puncturing system in use at facility, however, CUPA has not been notified prior to use. CORRECTIVE ACTION: Submit required notification to UPA of aerosol can processing procedures. Discontinue processing aerosol cans until this notification is submitted to UPA.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 18146
Site Name: OLYMPUS TERMINALS LLC
Violation Date: 05-01-2019
Citation: 22 CCR 23 66273.34 - California Code of Regulations, Title 22, Chapter 23, Section(s) 66273.34
Violation Description: Failure to label or mark each individual or container or the designated area of universal waste with the following: 1. Waste batteries shall be marked with ""Universal Waste-Battery(ies) 2. Mercury containing equipment shall be marked with ""Universal Waste -Mercury-Containing Equipment 3. Lamps shall be marked with Universal Waste-Lamp(s) 4. Electronic devices or the container or pallet where the devices are stored shall be marked with Universal Waste-Electronic Device(s) 5. CRTs or the container or pallet where CRTs are stored shall be marked with ""Universal Waste-CRT(s) 6. Container for CRT glass shall be marked with Universal Waste-CRT glass .
Violation Notes: Returned to compliance on 05/30/2019. OBSERVATION: Owner/Operator failed to properly label universal waste. Observed universal waste such as empty aerosol cans and used fluorescent light bulbs without a proper universal waste label. CORRECTIVE ACTION: Properly label universal waste and submit statement of compliance and/or a photo of the waste labeled properly.
Violation Division: Los Angeles County Fire Department
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 18146
Site Name: OLYMPUS TERMINALS LLC
Violation Date: 05-01-2019

CHEMOIL TERMINALS CORPORATION (Continued) **S102002384**

Citation:	22 CCR 15 66265.173 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.173
Violation Description:	Failure to meet the following container management requirements: (a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste. (b) A container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak.
Violation Notes:	Returned to compliance on 05/30/2019. OBSERVATION: Numerous waste/used paint cans containing liquids located at the maintenance area were observed open. CORRECTIVE ACTION: Submit photos to the CUPA demonstrating that the container listed above has been properly closed or disposed of.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HWLQG
Violation Source:	CERS,
Site ID:	18146
Site Name:	OLYMPUS TERMINALS LLC
Violation Date:	05-01-2019
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	RCRA Large Quantity Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 05/30/2019. OBSERVATION: Owner/Operator failed to adequately label hazardous materials. Observed two super sacks containing unknown materials and one super sack has an incomplete non-hazardous label and the other one without any label. CORRECTIVE ACTION: Hazardous materials that are mislabeled or not adequately labeled must be properly labeled within 10 days or be managed as a hazardous waste. 22 CCR11 66261.2(f)
Violation Division:	Los Angeles County Fire Department
Violation Program:	HWLQG
Violation Source:	CERS,
Site ID:	18146
Site Name:	OLYMPUS TERMINALS LLC
Violation Date:	05-01-2019
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Returned to compliance on 06/11/2019. OBSERVATION: The business failed to electronically submit and certify that the business plan is complete, accurate, and in compliance with EPCRA on or before the annual due date. 2019 California Environmental Reporting System (CERS) submittal was missing/inaccurate; Reviewed CERS submittals submitted on 3/14/18 and found the following needed to be addressed: - Facility is a Small Quantity Generator (SQG) of hazardous waste; therefore, an answer of "No" should be selected for "Does your facility generate in any single calendar month 1,000 kg or more of federal rcra hazardous water..." on Business Activities page on CERS website; - Not using the most up-to-date form to complete facility s Consolidated Emergency Response / Contingency Plan (CER/CP); Old CER/CP form was used - please use attached Rev. 03/07/17 CER/CP form; - The Local Unified Program Agency (UPA/CUPA) phone number should be 323-890-4317 instead

CHEMOIL TERMINALS CORPORATION (Continued) **S102002384**

of 213-978-3685 on [Truncated]
Violation Division: Los Angeles County Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 18146
Site Name: OLYMPUS TERMINALS LLC
Violation Date: 09-22-2022
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: OBSERVATION: Observed 55 gallon drum of aerosol can residue stored at maintenance shop area without a hazardous waste label. CORRECTIVE ACTION: Submit photos to the CUPA demonstrating that the container listed above has been properly labeled.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 18146
Site Name: OLYMPUS TERMINALS LLC
Violation Date: 05-01-2019
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to conduct spill prevention briefing for oil-handling personnel at least once a year to assure adequate understanding of the SPCC Plan.
Violation Notes: Returned to compliance on 06/11/2019. OBSERVATION: Failure to schedule and conduct spill prevention briefings at least once a year. Facility's annual spill prevention briefing records were not available on site for review at the time of inspection. CORRECTIVE ACTION: Conduct spill prevention briefings annually. Provide compliance verification.
Violation Division: Los Angeles County Fire Department
Violation Program: APSA
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-14-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Sampson Tang - Compliance Engineer, gave consent for the inspection. Zaw Aung - Instrumental and Conrol Engineer. Jim Hosler - Terminal Manager No violations observed.
Eval Division: Los Angeles County Fire Department
Eval Program: PBR
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-01-2019
Violations Found: Yes
Eval Type: Routine done by local agency

CHEMOIL TERMINALS CORPORATION (Continued) **S102002384**

Eval Notes: Lawrence Martinez, Terminal Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-11-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-22-2022
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Justin Avril, HSEC & Projects Manager
Eval Division: Los Angeles County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-22-2022
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Justin Avril, HSEC & Projects Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-22-2022
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Justin Avril, HSEC & Projects Manager
Eval Division: Los Angeles County Fire Department
Eval Program: PBR
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 12-09-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-14-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Sampson Tang - Compliance Engineer, gave consent for the inspection. Zaw Aung - Instrumental and Conrol Engineer. Jim Hosler - Terminal Manager No violations observed.

CHEMOIL TERMINALS CORPORATION (Continued) **S102002384**

Eval Division: Los Angeles County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-14-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Sampson Tang - Compliance Engineer, gave consent for the inspection. Zaw Aung - Instrumental and Conrol Engineer. Jim Hosler - Terminal Manager No violations observed.
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-01-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Lawrence Martinez, Terminal Manager
Eval Division: Los Angeles County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-01-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Lawrence Martinez, Terminal Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-31-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-11-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-22-2022
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Justin Avril, HSEC & Projects Manager
Eval Division: Los Angeles County Fire Department

CHEMOIL TERMINALS CORPORATION (Continued) **S102002384**

Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 12-09-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: PBR
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-31-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-14-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Sampson Tang - Compliance Engineer, gave consent for the inspection. Zaw Aung - Instrumental and Conrol Engineer. Jim Hosler - Terminal Manager No violations observed.
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-01-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Lawrence Martinez, Terminal Manager No significant violation was observed at the time of inspection.
Eval Division: Los Angeles County Fire Department
Eval Program: PBR
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 12-09-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Coordinates:
Site ID: 18146
Facility Name: OLYMPUS TERMINALS LLC
Env Int Type Code: HWG
Program ID: 10399510
Coord Name: Not reported

CHEMOIL TERMINALS CORPORATION (Continued) **S102002384**

Ref Point Type Desc: Center of a facility or station.,
Latitude: 33.805510
Longitude: -118.225790

Affiliation:
Affiliation Type Desc: Document Preparer
Entity Name: Weyman Kam
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: Olympus Terminals LLC
Entity Title: Not reported
Affiliation Address: 2365 E. Sepulveda Blvd.
Affiliation City: Carson
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90810-1944
Affiliation Phone: (562) 424-8068,

Affiliation Type Desc: Onsite Treatment Unit Owner Operator
Entity Name: Olympus Terminals, LLC
Entity Title: Olympus Terminals, LLC
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Parent Company
Entity Name: Olympus Terminals LLC
Entity Title: Not reported
Affiliation Address: 2365 E SEPULVEDA BLVD
Affiliation City: LONG BEACH
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90810
Affiliation Phone: ,

Affiliation Type Desc: Property Owner
Entity Name: Olympus Terminals LLC
Entity Title: Not reported
Affiliation Address: 2365 E Sepulveda Blvd
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90810
Affiliation Phone: (562) 485-4200,

Affiliation Type Desc: Public Contact
Entity Name: Justin Avril

CHEMOIL TERMINALS CORPORATION (Continued) **S102002384**

Entity Title:	Not reported
Affiliation Address:	2365 E SEPULVEDA BLVD
Affiliation City:	LONG BEACH
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90810
Affiliation Phone:	5624854205,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	2365 E. Sepulveda Blvd.
Affiliation City:	Long Beach
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90810-1944
Affiliation Phone:	,
Affiliation Type Desc:	Onsite Treatment Unit Owner Operator
Entity Name:	Jim Hosler
Entity Title:	Terminal Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Company Official
Entity Name:	Justin Avril
Entity Title:	HSEC & Projects Manager
Affiliation Address:	2365 E SEPULVEDA BLVD
Affiliation City:	LONG BEACH
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90810
Affiliation Phone:	,
Affiliation Type Desc:	CUPA District
Entity Name:	Los Angeles County Fire
Entity Title:	Not reported
Affiliation Address:	5825 Rickenbacker Road
Affiliation City:	Commerce
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90040-3027
Affiliation Phone:	(323) 890-4000,
Affiliation Type Desc:	Onsite Treatment Unit Owner Operator
Entity Name:	Ken Ezoe
Entity Title:	Chief Engineer
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

CHEMOIL TERMINALS CORPORATION (Continued) **S102002384**

Affiliation Type Desc:	Parent Corporation
Entity Name:	Olympus Terminals LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Technical Contact
Entity Name:	Justin Avril
Entity Title:	Not reported
Affiliation Address:	2365 E SEPULVEDA BLVD
Affiliation City:	LONG BEACH
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90810
Affiliation Phone:	2064196964,

Affiliation Type Desc:	Environmental Contact
Entity Name:	Justin Avril
Entity Title:	Not reported
Affiliation Address:	2365 E. Sepulveda Blvd.
Affiliation City:	Long Beach
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90810
Affiliation Phone:	,

Affiliation Type Desc:	Identification Signer
Entity Name:	Justin Avril
Entity Title:	HSEC & Project Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Onsite Treatment Unit Owner Operator
Entity Name:	Chemoil Terminals Corporation
Entity Title:	Chemoil Terminals Corporation
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Operator
Entity Name:	Olympus Terminals LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported

CHEMOIL TERMINALS CORPORATION (Continued) **S102002384**

Affiliation Zip: Not reported
Affiliation Phone: (562) 424-8068,

Name: OLYMPUS TERMINALS LLC
Address: 2365 E SEPULVEDA BLVD
City,State,Zip: LONG BEACH, CA 90810
Site ID: 18146
CERS ID: 90810CRSNT2365E
CERS Description: Toxic Release Inventory

Violations:
Site ID: 18146
Site Name: OLYMPUS TERMINALS LLC
Violation Date: 09-22-2022
Citation: 22 CCR 45 67450.13(b) - California Code of Regulations, Title 22, Chapter 45, Section(s) 67450.13(b)
Violation Description: Failure to prepare a written estimate of the cost of closing each unit which includes the cost that would be incurred for closing a treatment unit when using the owner or operator or generator's own staff and/or personal equipment taking into account any salvage value that may be realized from the sale of wastes, facility structure or equipment, land or other facility assets. This estimate shall be submitted as an attachment to the Certification of Financial Assurance for Permit by Rule and Conditionally Authorized Operations/ Maintenance page(s) of the Unified Program Consolidated Form (x/99)).
Violation Notes: OBSERVATION: A written estimate of closure costs for the fixed treatment unit(s) has not been submitted to the CERS. A owner/operator shall prepare a written estimate of the cost of closing each unit. Observed Closure Cost Estimate not submitted to CERS. CORRECTIVE ACTION: Submit the written estimate of closure costs for financial assurance for each unit to the CERS. OBSERVATION: Owner/Operator did not prepare, did not prepare correctly, and/or did not submit to the UPA, the Certification of Financial Assurance. Observed facility is permitted for Onsite Permit-By-Rule Hazardous Waste Treatment, however, Financial Assurance Certification page submitted claims facility is operating Conditionally Authorized Hazardous WasteTreatment. CORRECTIVE ACTION: Correctly prepare and submit to the UPA, the Certification of Financial Assurance.
Violation Division: Los Angeles County Fire Department
Violation Program: PBR
Violation Source: CERS,

Site ID: 18146
Site Name: OLYMPUS TERMINALS LLC
Violation Date: 09-22-2022
Citation: 22 CCR 45 67450.2(b)(3)(B)(G) - California Code of Regulations, Title 22, Chapter 45, Section(s) 67450.2(b)(3)(B)(G)
Violation Description: Failure to identify the following information in CERS: all generator information, all Permit-by-Rule treatment units, accurately list number of tanks and containers in each unit, and plot plan/map that shows unit locations are properly identified.
Violation Notes: OBSERVATION: Owner/Operator failed to identify one or more of the following in CERS: all generator information, all Permit-by-rule treatment units, accurately list number of tanks and containers in each unit, and/or plot plan/map that shows unit locations are properly Identified. Observed the following: - Location of treatment unit not identified on plot plan/map - Local Agency Notification has not been

CHEMOIL TERMINALS CORPORATION (Continued) **S102002384**

submitted - Property Owner Notification has not been submitted - Tank & Container Certification has not been submitted - Prior Enforcement History has not been submitted CORRECTIVE ACTION: Correctly report in CERS the items noted above as incomplete or incorrect.

Violation Division: Los Angeles County Fire Department
Violation Program: PBR
Violation Source: CERS,

Site ID: 18146
Site Name: OLYMPUS TERMINALS LLC
Violation Date: 05-01-2019
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 05/30/2019. OBSERVATION: The following containers of hazardous waste were observed with incomplete or no hazardous waste (HW) labels: - 1 x 35-gallon self-closing metal container (yellow) containing HW oily debris located at the maintenance area was observed without a proper HW label; - 1 x 55-gallon drum containing HW paint/chemical wastes (from crushing aerosol cans) located at the maintenance area was observed without a proper HW label; CORRECTIVE ACTION: Submit a photo to the CUPA demonstrating that the container listed above has been properly labeled.
Violation Division: Los Angeles County Fire Department
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 18146
Site Name: OLYMPUS TERMINALS LLC
Violation Date: 05-01-2019
Citation: 22 CCR 11 66261.7 - California Code of Regulations, Title 22, Chapter 11, Section(s) 66261.7
Violation Description: Failure to manage empty containers greater than 5 gallons in capacity that previously held a hazardous material/waste in accordance with 22 CCR 11 66261.7 including but not limited to the following: (e)(2)By reclaiming its scrap value onsite or shipping the container or inner liner to a person who reclaims its scrap value; or (3) By reconditioning or remanufacturing the container or inner liner onsite for subsequent reuse, or shipping the container or inner liner to a person who reconditions or remanufactures the container or inner liner; or (4) By shipping the container or inner liner to a supplier or to another intermediate collection location for accumulation prior to managing the container or inner liner pursuant to subsections (e)(2) or (e)(3) of 22 CCR 11 66261.7; or (i) By shipping the container or inner liner back to the supplier for the purpose of being refilled. (f) A container or an inner liner removed from a container larger than five gallons in capacity which is managed pursuant to subsection (e) of 22 CCR 11 66261.7 shall be marked with the date it has been emptied and shall be managed within one year of being emptied.
Violation Notes: Returned to compliance on 05/30/2019. OBSERVATION: Observed multiple 55-gallon used and empty drums located near the wastewater treatment area without a proper empty label. CORRECTIVE ACTION: Submit

CHEMOIL TERMINALS CORPORATION (Continued) **S102002384**

photos/documentation to this department demonstrating that the empty containers listed above have been marked with the date they were emptied and are being properly managed pursuant to 22 CCR 11 66261.7.
Violation Division: Los Angeles County Fire Department
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 18146
Site Name: OLYMPUS TERMINALS LLC
Violation Date: 09-22-2022
Citation: HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 12/09/2022. OBSERVATION: The business failed to electronically submit complete and accurate chemical inventory information for all hazardous materials on site at or above reportable quantities. Observed the following materials above reportable quantities stored on site but not reported to CERS: Sodium Hypochlorite - 7 x 55 gallons Caustic Soda - 2 x 55 gallons Cationic Polymer - 1 x 250 gallons MCC 2100C SD - approx 3000 gallons Zyme Ox - 4 x 55 gallons B240 - approx 55-200 gallons CORRECTIVE ACTION: Electronically submit complete and accurate chemical inventory information for all hazardous materials on site at or above reportable quantities.
Violation Division: Los Angeles County Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 18146
Site Name: OLYMPUS TERMINALS LLC
Violation Date: 09-22-2022
Citation: HSC 6.5 25201.16(j) - California Health and Safety Code, Chapter 6.5, Section(s) 25201.16(j)
Violation Description: Failure to notify the CUPA of aerosol can processing procedures prior to commencement of operations
Violation Notes: OBSERVATION: Owner/Operator failed to notify UPA of aerosol can processing procedures prior to starting this process. Observed aerosol puncturing system in use at facility, however, CUPA has not been notified prior to use. CORRECTIVE ACTION: Submit required notification to UPA of aerosol can processing procedures. Discontinue processing aerosol cans until this notification is submitted to UPA.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 18146
Site Name: OLYMPUS TERMINALS LLC
Violation Date: 05-01-2019
Citation: 22 CCR 23 66273.34 - California Code of Regulations, Title 22, Chapter 23, Section(s) 66273.34
Violation Description: Failure to label or mark each individual or container or the designated area of universal waste with the following: 1. Waste batteries shall be marked with ""Universal Waste-Battery(ies) 2. Mercury containing equipment shall be marked with ""Universal Waste -Mercury-Containing Equipment 3. Lamps shall be marked with Universal

CHEMOIL TERMINALS CORPORATION (Continued) **S102002384**

Waste-Lamp(s) 4. Electronic devices or the container or pallet where the devices are stored shall be marked with Universal Waste-Electronic Device(s) 5. CRTs or the container or pallet where CRTs are stored shall be marked with ""Universal Waste-CRT(s) 6. Container for CRT glass shall be marked with Universal Waste-CRT glass .

Violation Notes: Returned to compliance on 05/30/2019. OBSERVATION: Owner/Operator failed to properly label universal waste. Observed universal waste such as empty aerosol cans and used fluorescent light bulbs without a proper universal waste label. CORRECTIVE ACTION: Properly label universal waste and submit statement of compliance and/or a photo of the waste labeled properly.
Violation Division: Los Angeles County Fire Department
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 18146
Site Name: OLYMPUS TERMINALS LLC
Violation Date: 05-01-2019
Citation: 22 CCR 15 66265.173 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.173
Violation Description: Failure to meet the following container management requirements: (a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste. (b) A container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak.
Violation Notes: Returned to compliance on 05/30/2019. OBSERVATION: Numerous waste/used paint cans containing liquids located at the maintenance area were observed open. CORRECTIVE ACTION: Submit photos to the CUPA demonstrating that the container listed above has been properly closed or disposed of.
Violation Division: Los Angeles County Fire Department
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 18146
Site Name: OLYMPUS TERMINALS LLC
Violation Date: 05-01-2019
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: RCRA Large Quantity Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 05/30/2019. OBSERVATION: Owner/Operator failed to adequately label hazardous materials. Observed two super sacks containing unknown materials and one super sack has an incomplete non-hazardous label and the other one without any label. CORRECTIVE ACTION: Hazardous materials that are mislabeled or not adequately labeled must be properly labeled within 10 days or be managed as a hazardous waste. 22 CCR11 66261.2(f)
Violation Division: Los Angeles County Fire Department
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 18146
Site Name: OLYMPUS TERMINALS LLC
Violation Date: 05-01-2019
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter

CHEMOIL TERMINALS CORPORATION (Continued) **S102002384**

	6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Returned to compliance on 06/11/2019. OBSERVATION: The business failed to electronically submit and certify that the business plan is complete, accurate, and in compliance with EPCRA on or before the annual due date. 2019 California Environmental Reporting System (CERS) submittal was missing/inaccurate; Reviewed CERS submittals submitted on 3/14/18 and found the following needed to be addressed: - Facility is a Small Quantity Generator (SQG) of hazardous waste; therefore, an answer of "No" should be selected for "Does your facility generate in any single calendar month 1,000 kg or more of federal rcra hazardous water..." on Business Activities page on CERS website; - Not using the most up-to-date form to complete facility s Consolidated Emergency Response / Contingency Plan (CER/CP); Old CER/CP form was used - please use attached Rev. 03/07/17 CER/CP form; - The Local Unified Program Agency (UPA/CUPA) phone number should be 323-890-4317 instead of 213-978-3685 on [Truncated]
Violation Division:	Los Angeles County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	18146
Site Name:	OLYMPUS TERMINALS LLC
Violation Date:	09-22-2022
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	OBSERVATION: Observed 55 gallon drum of aerosol can residue stored at maintenance shop area without a hazardous waste label. CORRECTIVE ACTION: Submit photos to the CUPA demonstrating that the container listed above has been properly labeled.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	18146
Site Name:	OLYMPUS TERMINALS LLC
Violation Date:	05-01-2019
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	Failure to conduct spill prevention briefing for oil-handling personnel at least once a year to assure adequate understanding of the SPCC Plan.
Violation Notes:	Returned to compliance on 06/11/2019. OBSERVATION: Failure to schedule and conduct spill prevention briefings at least once a year. Facility's annual spill prevention briefing records were not available on site for review at the time of inspection. CORRECTIVE ACTION: Conduct spill prevention briefings annually. Provide compliance verification.
Violation Division:	Los Angeles County Fire Department
Violation Program:	APSA

CHEMOIL TERMINALS CORPORATION (Continued) **S102002384**

Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-14-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Sampson Tang - Compliance Engineer, gave consent for the inspection. Zaw Aung - Instrumental and Conrol Engineer. Jim Hosler - Terminal Manager No violations observed.
Eval Division: Los Angeles County Fire Department
Eval Program: PBR
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-01-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Lawrence Martinez, Terminal Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-11-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-22-2022
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Justin Avril, HSEC & Projects Manager
Eval Division: Los Angeles County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-22-2022
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Justin Avril, HSEC & Projects Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-22-2022
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Justin Avril, HSEC & Projects Manager
Eval Division: Los Angeles County Fire Department
Eval Program: PBR

CHEMOIL TERMINALS CORPORATION (Continued) **S102002384**

Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 12-09-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-14-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Sampson Tang - Compliance Engineer, gave consent for the inspection. Zaw Aung - Instrumental and Conrol Engineer. Jim Hosler - Terminal Manager No violations observed.
Eval Division: Los Angeles County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-14-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Sampson Tang - Compliance Engineer, gave consent for the inspection. Zaw Aung - Instrumental and Conrol Engineer. Jim Hosler - Terminal Manager No violations observed.
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-01-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Lawrence Martinez, Terminal Manager
Eval Division: Los Angeles County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-01-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Lawrence Martinez, Terminal Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-31-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department

CHEMOIL TERMINALS CORPORATION (Continued) **S102002384**

Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-11-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-22-2022
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Justin Avril, HSEC & Projects Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 12-09-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: PBR
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-31-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-14-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Sampson Tang - Compliance Engineer, gave consent for the inspection. Zaw Aung - Instrumental and Conrol Engineer. Jim Hosler - Terminal Manager No violations observed.
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-01-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Lawrence Martinez, Terminal Manager No significant violation was observed at the time of inspection.
Eval Division: Los Angeles County Fire Department

CHEMOIL TERMINALS CORPORATION (Continued) **S102002384**

Eval Program: PBR
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 12-09-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Coordinates:
Site ID: 18146
Facility Name: OLYMPUS TERMINALS LLC
Env Int Type Code: HWG
Program ID: 10399510
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 33.805510
Longitude: -118.225790

Affiliation:
Affiliation Type Desc: Document Preparer
Entity Name: Weyman Kam
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: Olympus Terminals LLC
Entity Title: Not reported
Affiliation Address: 2365 E. Sepulveda Blvd.
Affiliation City: Carson
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90810-1944
Affiliation Phone: (562) 424-8068,

Affiliation Type Desc: Onsite Treatment Unit Owner Operator
Entity Name: Olympus Terminals, LLC
Entity Title: Olympus Terminals, LLC
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Parent Company
Entity Name: Olympus Terminals LLC
Entity Title: Not reported

CHEMOIL TERMINALS CORPORATION (Continued) **S102002384**

Affiliation Address:	2365 E SEPULVEDA BLVD
Affiliation City:	LONG BEACH
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90810
Affiliation Phone:	,
Affiliation Type Desc:	Property Owner
Entity Name:	Olympus Terminals LLC
Entity Title:	Not reported
Affiliation Address:	2365 E Sepulveda Blvd
Affiliation City:	Long Beach
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90810
Affiliation Phone:	(562) 485-4200,
Affiliation Type Desc:	Public Contact
Entity Name:	Justin Avril
Entity Title:	Not reported
Affiliation Address:	2365 E SEPULVEDA BLVD
Affiliation City:	LONG BEACH
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90810
Affiliation Phone:	5624854205,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	2365 E. Sepulveda Blvd.
Affiliation City:	Long Beach
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90810-1944
Affiliation Phone:	,
Affiliation Type Desc:	Onsite Treatment Unit Owner Operator
Entity Name:	Jim Hosler
Entity Title:	Terminal Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Company Official
Entity Name:	Justin Avril
Entity Title:	HSEC & Projects Manager
Affiliation Address:	2365 E SEPULVEDA BLVD
Affiliation City:	LONG BEACH
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90810
Affiliation Phone:	,

CHEMOIL TERMINALS CORPORATION (Continued) **S102002384**

Affiliation Type Desc:	CUPA District
Entity Name:	Los Angeles County Fire
Entity Title:	Not reported
Affiliation Address:	5825 Rickenbacker Road
Affiliation City:	Commerce
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90040-3027
Affiliation Phone:	(323) 890-4000,

Affiliation Type Desc:	Onsite Treatment Unit Owner Operator
Entity Name:	Ken Ezoe
Entity Title:	Chief Engineer
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Parent Corporation
Entity Name:	Olympus Terminals LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Technical Contact
Entity Name:	Justin Avril
Entity Title:	Not reported
Affiliation Address:	2365 E SEPULVEDA BLVD
Affiliation City:	LONG BEACH
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90810
Affiliation Phone:	2064196964,

Affiliation Type Desc:	Environmental Contact
Entity Name:	Justin Avril
Entity Title:	Not reported
Affiliation Address:	2365 E. Sepulveda Blvd.
Affiliation City:	Long Beach
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90810
Affiliation Phone:	,

Affiliation Type Desc:	Identification Signer
Entity Name:	Justin Avril
Entity Title:	HSEC & Project Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported

CHEMOIL TERMINALS CORPORATION (Continued) **S102002384**

Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Onsite Treatment Unit Owner Operator
Entity Name:	Chemoil Terminals Corporation
Entity Title:	Chemoil Terminals Corporation
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	Olympus Terminals LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(562) 424-8068,

M61 **CHEMOIL TANK FARM & TERMINAL** **CPS-SLIC** **1005454810**
SSE **2365 SEPULVEDA** **N/A**
1/4-1/2 **CARSON, CA 90810**
0.359 mi.
1896 ft. **Site 2 of 3 in cluster M**

Relative: **Higher**
Actual: **29 ft.**

SLIC REG 4:

Region:	4
Facility Status:	Site Assessment
SLIC:	0453B
Substance:	TPH
Staff:	PGN

L62 **ALAMEDA ST SAN LDFL** **ENVIROSTOR** **S106829069**
NNW **22700 S ALAMEDA ST** **EMI** **N/A**
1/4-1/2 **CARSON, CA 90810**
0.359 mi.
1898 ft. **Site 4 of 5 in cluster L**

Relative: **Higher**
Actual: **25 ft.**

ENVIROSTOR:

Name:	ALAMEDA ST SAN LDFL
Address:	22700 S ALAMEDA ST
City,State,Zip:	CARSON, CA 90810
Facility ID:	60001198
Status:	Inactive - Needs Evaluation
Status Date:	10/02/2018
Site Code:	400860
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	19
NPL:	NO
Regulatory Agencies:	SMBRP, US EPA

ALAMEDA ST SAN LDFL (Continued) **S106829069**

Lead Agency: US EPA
Program Manager: Not reported
Supervisor: Manny Alonzo
Division Branch: Cleanup Cypress
Assembly: 64
Senate: 35
Special Program: EPA - PASI
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: EPA Grant
Latitude: 33.81947
Longitude: -118.2303
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 400860
Alias Type: Project Code (Site Code)
Alias Name: 60001198
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: PA/SI Reassessment
Completed Date: 05/29/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: PA/SI Reassessment
Completed Date: 03/17/2010
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

EMI:
Name: COMMON MARKET CONTAINER SERVIC
Address: 22700 S ALAMEDA
City,State,Zip: LONG BEACH, CA 90810
Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 69959
Air District Name: SC
SIC Code: 2656
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported

ALAMEDA ST SAN LDFL (Continued) **S106829069**

Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	10
Reactive Organic Gases Tons/Yr:	6
Carbon Monoxide Emissions Tons/Yr:	3
NOX - Oxides of Nitrogen Tons/Yr:	3
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	6
Part. Matter 10 Micrometers and Smllr Tons/Yr:	5

Name:	COMMON MARKET CONTAINER SERVIC
Address:	22700 S ALAMEDA
City,State,Zip:	LONG BEACH, CA 90810
Year:	1993
County Code:	19
Air Basin:	SC
Facility ID:	69959
Air District Name:	SC
SIC Code:	2656
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	2
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	6
Part. Matter 10 Micrometers and Smllr Tons/Yr:	5

Name:	COMMON MARKET CONTAINER SERVIC
Address:	22700 S ALAMEDA
City,State,Zip:	LONG BEACH, CA 90810
Year:	1995
County Code:	19
Air Basin:	SC
Facility ID:	69959
Air District Name:	SC
SIC Code:	2656
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	2
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	6
Part. Matter 10 Micrometers and Smllr Tons/Yr:	5

L63
NNW
1/4-1/2
0.359 mi.
1898 ft.

ALAMEDA ST SAN LDFL
22700 S ALAMEDA ST
CARSON, CA 90810

Site 5 of 5 in cluster L

SEMS **1000297229**
CAD980636393

Relative:
Higher

Actual:
25 ft.

SEMS:

Site ID:	0901806
EPA ID:	CAD980636393
Name:	ALAMEDA ST SAN LDFL
Address:	22700 S ALAMEDA ST
Address 2:	Not reported
City,State,Zip:	CARSON, CA 90810
Cong District:	32
FIPS Code:	06037
Latitude:	+33.813889
Longitude:	-118.226389
FF:	N
NPL:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

SEMS Detail:

Region:	09
Site ID:	0901806
EPA ID:	CAD980636393
Site Name:	ALAMEDA ST SAN LDFL
NPL:	N
FF:	N
OU:	00
Action Code:	SI
Action Name:	SI
SEQ:	1
Start Date:	1991-07-06 04:00:00
Finish Date:	1991-07-06 04:00:00
Qual:	H
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0901806
EPA ID:	CAD980636393
Site Name:	ALAMEDA ST SAN LDFL
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	1984-11-01 06:00:00
Finish Date:	1984-11-01 06:00:00
Qual:	L
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0901806
EPA ID:	CAD980636393
Site Name:	ALAMEDA ST SAN LDFL
NPL:	N
FF:	N
OU:	00
Action Code:	PA

ALAMEDA ST SAN LDFL (Continued) **1000297229**

Action Name:	PA
SEQ:	2
Start Date:	1988-12-21 05:00:00
Finish Date:	1988-12-21 05:00:00
Qual:	L
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0901806
EPA ID:	CAD980636393
Site Name:	ALAMEDA ST SAN LDFL
NPL:	N
FF:	N
OU:	00
Action Code:	OO
Action Name:	SITE REASS
SEQ:	1
Start Date:	2013-07-01 05:00:00
Finish Date:	2014-10-01 05:00:00
Qual:	N
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0901806
EPA ID:	CAD980636393
Site Name:	ALAMEDA ST SAN LDFL
NPL:	N
FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1979-11-01 05:00:00
Finish Date:	1979-11-01 05:00:00
Qual:	Not reported
Current Action Lead:	St Perf

M64 **WATSON LAND CO. - BLDG 0004.1** **CPS-SLIC** **S104404957**
South **2222 SEPULVEDA** **N/A**
1/4-1/2 **CARSON, CA 90810**
0.369 mi.
1948 ft. **Site 3 of 3 in cluster M**

Relative: SLIC REG 4:
Higher

Region:	4
Facility Status:	No further action required
SLIC:	0478B
Substance:	TPH
Staff:	Not reported

Actual:
29 ft.

65
North
1/4-1/2
0.375 mi.
1981 ft.

ACTA SOUTH - PARCEL SE-349
S ALAMEDA ST
CARSON, CA 90810

CPS-SLIC **S105638225**
CHMIRS **N/A**

Relative:
Higher

Actual:
28 ft.

CPS-SLIC:

Name:	ACTA SOUTH - PARCEL SE-349
Address:	S ALAMEDA ST
City,State,Zip:	CARSON, CA 90810
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	04/04/2003
Global Id:	SL0603711571
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	33.815408
Longitude:	-118.231928
Case Type:	Cleanup Program Site
Case Worker:	SH
Local Agency:	Not reported
RB Case Number:	0747G7
File Location:	Not reported
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Name:	ACTA SOUTH - PARCEL SE-351
Address:	S ALAMEDA ST
City,State,Zip:	CARSON, CA 90810
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	05/06/2003
Global Id:	SL0603780998
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	33.815408
Longitude:	-118.231928
Case Type:	Cleanup Program Site
Case Worker:	SH
Local Agency:	Not reported
RB Case Number:	0747H4
File Location:	Not reported
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

CHMIRS:

Name:	Not reported
Address:	S ALAMEDA ST & EAST 223RD ST
City,State,Zip:	CARSON, CA
OES Incident Number:	11046
OES notification:	Not reported
OES Date:	11/26/1995
OES Time:	11:10:12 AM

ACTA SOUTH - PARCEL SE-349 (Continued) **S105638225**

Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	YES
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	la co health haz mat/priv cleanup co
Containment:	Not reported
What Happened:	Not reported
Type:	PETROLEUM
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1995
Agency:	la co fire
Incident Date:	2001 25Nov95
Admin Agency:	Not reported
Amount:	75 gals 10 gals
Contained:	NO
Site Type:	RD
E Date:	Not reported
Substance:	diesel gas
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	NO
Number of Injuries:	NO
Number of Fatalities:	NO
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported

ACTA SOUTH - PARCEL SE-349 (Continued) **S105638225**

Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	a tanker-trailer rig overturned resulting in crash.

66
East
1/4-1/2
0.384 mi.
2025 ft.

SUPREME EUPHORIA
2943 SANTA FE AVE
LONG BEACH, CA 90810

LUST **S102438263**
Cortese **N/A**
HIST CORTESE
CERS

Relative:
Higher

Actual:
24 ft.

LUST:

Name:	SUPREME EUPHORIA
Address:	2943 SANTA FE AVE
City,State,Zip:	LONG BEACH, CA 90810
Lead Agency:	LONG BEACH, CITY OF
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701914
Global Id:	T0603701914
Latitude:	33.810968
Longitude:	-118.215806
Status:	Completed - Case Closed
Status Date:	04/02/2009
Case Worker:	Not reported
RB Case Number:	908100207
Local Agency:	Not reported
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Aviation
Site History:	Not reported

LUST:

Global Id:	T0603701914
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0603701914
Action Type:	Other
Date:	12/04/1986
Action:	Leak Reported

Global Id:	T0603701914
Action Type:	ENFORCEMENT
Date:	09/20/1994
Action:	Closure/No Further Action Letter

LUST:

Global Id:	T0603701914
Status:	Open - Case Begin Date

SUPREME EUPHORIA (Continued) **S102438263**

Status Date: 12/04/1986

Global Id: T0603701914
Status: Open - Site Assessment
Status Date: 12/04/1986

Global Id: T0603701914
Status: Completed - Case Closed
Status Date: 04/02/2009

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	908100207	
Status:	Leak being confirmed	
Substance:	1	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603701914	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19060	
Cross Street:	SPRING ST	
Enforcement Type:	Not reported	
Date Leak Discovered:	Not reported	
Date Leak First Reported:		12/4/1986
Date Leak Record Entered:	8/5/1987	
Date Confirmation Began:	12/4/1986	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		12/4/1986
Date the Case was Closed:		Not reported
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		7746.275112515934914801281246 8
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	

SUPREME EUPHORIA (Continued) **S102438263**

Organization:	Not reported
Owner Contact:	Not reported
Responsible Party:	SUPREME EUPHORIA
RP Address:	2670 PACIFIC COAST HWY, LONG BEACH, CA
Program:	LUST
Lat/Long:	33.8107403 / -1
Local Agency Staff:	Not reported
Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	Not reported

CORTESE:

Name:	SUPREME EUPHORIA
Address:	2943 SANTA FE AVE
City,State,Zip:	LONG BEACH, CA 90810
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0603701914
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

HIST CORTESE:

edr_fname:	SUPREME EUPHORIA
edr_fadd1:	2943 SANTA FE
City,State,Zip:	LONG BEACH, CA 90810
Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	908100207

CERS:

Name:	SUPREME EUPHORIA
Address:	2943 SANTA FE AVE
City,State,Zip:	LONG BEACH, CA 90810
Site ID:	237378
CERS ID:	T0603701914
CERS Description:	Leaking Underground Storage Tank Cleanup Site

SUPREME EUPHORIA (Continued) **S102438263**

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4TH ST., SUITE 200
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

N67 **ACTA PARCEL PCH-1553** **CPS-SLIC** **S106916825**
North **E. ALAMEDA ST.** **N/A**
1/4-1/2 **WILMINGTON, CA**
0.401 mi.
2115 ft. **Site 1 of 3 in cluster N**

Relative: CPS-SLIC:
Higher
Actual: Name: ACTA PARCEL PCH-1553
27 ft. Address: E. ALAMEDA ST.
City,State,Zip: WILMINGTON, CA
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 03/24/2005
Global Id: SL0603773582
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 33.825278
Longitude: -118.228297
Case Type: Cleanup Program Site
Case Worker: SH
Local Agency: Not reported
RB Case Number: 0747P4
File Location: Not reported
Potential Media Affected: Soil
Potential Contaminants of Concern: Lead
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

N68 **ACTA PARCEL PCH-1554** **CPS-SLIC** **S106916824**
North **E. ALAMEDA ST** **N/A**
1/4-1/2 **WILMINGTON, CA**
0.401 mi.
2115 ft. **Site 2 of 3 in cluster N**

Relative: CPS-SLIC:
Higher
Actual: Name: ACTA PARCEL PCH-1554
27 ft. Address: E. ALAMEDA ST
City,State,Zip: WILMINGTON, CA
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 03/24/2005
Global Id: SL0603771890
Lead Agency: LOS ANGELES RWQCB (REGION 4)

ACTA PARCEL PCH-1554 (Continued) **S106916824**

Lead Agency Case Number:	Not reported
Latitude:	33.825278
Longitude:	-118.228297
Case Type:	Cleanup Program Site
Case Worker:	SH
Local Agency:	Not reported
RB Case Number:	0747P5
File Location:	Not reported
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Lead
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

N69 **ACTA PARCEL PCH-1552** **CPS-SLIC** **S106916814**
North **E. ALAMEDA ST** **N/A**
1/4-1/2 **WILMINGTON, CA**
0.401 mi.
2115 ft. **Site 3 of 3 in cluster N**

Relative: **Higher**
Actual: **27 ft.**

CPS-SLIC:

Name:	ACTA PARCEL PCH-1552
Address:	E. ALAMEDA ST
City,State,Zip:	WILMINGTON, CA
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	03/24/2005
Global Id:	SL0603741121
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	33.825278
Longitude:	-118.228297
Case Type:	Cleanup Program Site
Case Worker:	SH
Local Agency:	Not reported
RB Case Number:	0747P3
File Location:	Not reported
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Copper
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

O70 **JOHNS-MANVILLE SALES CORP DEL** **SEMS-ARCHIVE** **1015732755**
North **2430 E 223RD** **RCRA-SQG** **CAD060386596**
1/4-1/2 **LONG BEACH, CA 90810**
0.419 mi.
2211 ft. **Site 1 of 5 in cluster O**

Relative: **Higher**
Actual: **28 ft.**

SEMS Archive:

Site ID:	0901475
EPA ID:	CAD060386596
Name:	JOHNS MANVILLE PLT
Address:	2430 E 223RD
Address 2:	Not reported
City,State,Zip:	CARSON, CA 90810

JOHNS-MANVILLE SALES CORP DEL (Continued) **1015732755**

Cong District: 32
FIPS Code: 06037
FF: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region: 09
Site ID: 0901475
EPA ID: CAD060386596
Site Name: JOHNS MANVILLE PLT
NPL: N
FF: N
OU: 00
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 1990-03-22 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 09
Site ID: 0901475
EPA ID: CAD060386596
Site Name: JOHNS MANVILLE PLT
NPL: N
FF: N
OU: 00
Action Code: SI
Action Name: SI
SEQ: 1
Start Date: Not reported
Finish Date: 1990-03-22 05:00:00
Qual: N
Current Action Lead: EPA Perf

Region: 09
Site ID: 0901475
EPA ID: CAD060386596
Site Name: JOHNS MANVILLE PLT
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1979-12-01 05:00:00
Finish Date: 1979-12-01 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0901475
EPA ID: CAD060386596
Site Name: JOHNS MANVILLE PLT
NPL: N
FF: N

JOHNS-MANVILLE SALES CORP DEL (Continued) **1015732755**

OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	Not reported
Finish Date:	1984-01-01 05:00:00
Qual:	L
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0901475
EPA ID:	CAD060386596
Site Name:	JOHNS MANVILLE PLT
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	2
Start Date:	Not reported
Finish Date:	1988-12-21 05:00:00
Qual:	L
Current Action Lead:	EPA Perf

RCRA Listings:

Date Form Received by Agency:	19960901
Handler Name:	Johns-Manville Sales Corp Del
Handler Address:	2430 E 223RD
Handler City,State,Zip:	LONG BEACH, CA 90810
EPA ID:	CAD060386596
Contact Name:	Not reported
Contact Address:	Not reported
Contact City,State,Zip:	Not reported
Contact Telephone:	Not reported
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	CA
State District:	4
Mailing Address:	PO BOX 9067
Mailing City,State,Zip:	LONG BEACH, CA 90810
Owner Name:	Not reported
Owner Type:	Not reported
Operator Name:	Not Required
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No

JOHNS-MANVILLE SALES CORP DEL (Continued) **1015732755**

Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20020917
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: NOT REQUIRED	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: NOT REQUIRED	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED

JOHNS-MANVILLE SALES CORP DEL (Continued) **1015732755**

Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19960901
Handler Name: JOHNS-MANVILLE SALES CORP DEL
Federal Waste Generator Description: Small Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19800818
Handler Name: JOHNS-MANVILLE SALES CORP DEL
Federal Waste Generator Description: Large Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 332996
NAICS Description: FABRICATED PIPE AND PIPE FITTING MANUFACTURING

Has the Facility Received Notices of Violations:
Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19840530
Actual Return to Compliance Date: 19911203
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19841231
Enforcement Identifier: 001
Date of Enforcement Action: 19840530
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported

JOHNS-MANVILLE SALES CORP DEL (Continued) **1015732755**

Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Evaluation Action Summary:

Evaluation Date:	19840530
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19911203
Scheduled Compliance Date:	19841231
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

O71 **1X JOHNS-MANVILLE CO.** **SWF/LF** **S124951507**
NNW **2420 E 223RD ST** **HWTS** **N/A**
1/4-1/2 **CARSON, CA 91710**
0.428 mi.
2259 ft. **Site 2 of 5 in cluster O**

Relative:
Higher

Actual:
27 ft.

SWF/LF (SWIS):

Name:	JOHNS-MANVILL CARSON PLANT
Address:	2420 E. 223RD ST.
City,State,Zip:	CARSON, CA 99999
Region:	STATE
Facility ID:	19-AQ-5034
SWIS Number:	19-AQ-5034
Point of Contact:	Dawn Liang
Is Archived:	Yes
Is Closed Illegal Abandoned:	Yes
Is Site Inert Debris Engineered Fill:	No
Is Financial Assurances Responsible:	No
Absorbed On:	Not reported
Operational Status:	Closed
Absorbed By:	Not reported
Closed Illegal Abandoned Category:	D

1X JOHNS-MANVILLE CO. (Continued) **S124951507**

EPA Federal Registry ID:	Not reported
ARB District:	South Coast
SWRCB Region:	Los Angeles
Local Government:	Carson
Reporting Agency Legal Name:	County of Los Angeles
Reporting Agency Department:	Department of Public Health
Enforcing Agency Legal Name:	County of Los Angeles
Enforcing Agency Department:	Department of Public Health
Regulation Status:	Not Currently Regulated

Owner:

SWIS Number:	19-AQ-5034
Owner:	Mansville Sales, Schuller Int. Inc.
Owner Address:	Po Box 5108
Owner City:	Denver
Owner State:	CA
Owner Zip:	Not reported
Site Name:	Johns-Manvill Carson Plant
Site Operational Status:	Closed
Site Type:	Disposal Only
Site Regulatory Status:	Not Currently Regulated
Latitude:	33.83333
Longitude:	-118.28333
Is Archived:	Yes
Started On:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Email:	Not reported
Contact Phone:	(303) 978-2790

Waste:

SWIS Number:	19-AQ-5034
Site Name:	Johns-Manvill Carson Plant
Activity:	Solid Waste Disposal Site
Waste Type:	Asbestos
Site Is Archived:	Yes
Site Operational Status:	Closed
Site Regulatory Status:	Not Currently Regulated
Site Type:	Disposal Only
Point of Contact:	Dawn Liang
Activity Is Archived:	Yes
Activity Operational Status:	Closed
Activity Regulatory Status:	Not Currently Regulated
Activity Category:	Disposal
Activity Classification:	Solid Waste Disposal Site

SWIS Number:	19-AQ-5034
Site Name:	Johns-Manvill Carson Plant
Activity:	Solid Waste Disposal Site
Waste Type:	Contaminated soil
Site Is Archived:	Yes
Site Operational Status:	Closed
Site Regulatory Status:	Not Currently Regulated
Site Type:	Disposal Only
Point of Contact:	Dawn Liang
Activity Is Archived:	Yes
Activity Operational Status:	Closed

1X JOHNS-MANVILLE CO. (Continued) **S124951507**

Activity Regulatory Status:	Not Currently Regulated
Activity Category:	Disposal
Activity Classification:	Solid Waste Disposal Site
SWIS Number:	19-AQ-5034
Site Name:	Johns-Manvill Carson Plant
Activity:	Solid Waste Disposal Site
Waste Type:	Other hazardous
Site Is Archived:	Yes
Site Operational Status:	Closed
Site Regulatory Status:	Not Currently Regulated
Site Type:	Disposal Only
Point of Contact:	Dawn Liang
Activity Is Archived:	Yes
Activity Operational Status:	Closed
Activity Regulatory Status:	Not Currently Regulated
Activity Category:	Disposal
Activity Classification:	Solid Waste Disposal Site

HWTS:

Name:	1X JOHNS-MANVILLE CO.
Address:	2420 E 223RD ST
Address 2:	Not reported
City,State,Zip:	CARSON, CA 91710
EPA ID:	CAX000068130
Inactive Date:	04/30/1986
Create Date:	03/12/1984
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	E. J. HARRIS CONSTRUCTION CO
Mailing Address 2:	Not reported
Mailing City,State,Zip:	CHINO, CA 917100000
Owner Name:	Not reported
Owner Address:	Not reported
Owner Address 2:	Not reported
Owner City,State,Zip:	Not reported
Contact Name:	WALLACE RIDDLE
Contact Address:	Not reported
Contact Address 2:	Not reported
City,State,Zip:	Not reported
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	33.824106
Longitude:	-118.2303495

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72 **UNITED OIL #05** **LUST** **S102439629**
NE **3631 SANTA FE AVE** **Cortese** **N/A**
1/4-1/2 **LONG BEACH, CA 90810** **HIST CORTESE**
0.429 mi. **CERS**
2264 ft.

Relative:
Higher

Actual:
30 ft.

LUST:

Name:	SANESCO #5
Address:	3631 SANTA FE AVE
City,State,Zip:	LONG BEACH, CA 90810

UNITED OIL #05 (Continued) **S102439629**

Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701910
Global Id:	T0603701910
Latitude:	33.8230030318221
Longitude:	-118.215716751555
Status:	Completed - Case Closed
Status Date:	03/22/2016
Case Worker:	MB
RB Case Number:	908100161
Local Agency:	Not reported
File Location:	Regional Board
Local Case Number:	Not reported
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0603701910
Contact Type:	Regional Board Caseworker
Contact Name:	MAGDY BAIADY
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	LOS ANGELES
Email:	mbaiady@waterboards.ca.gov
Phone Number:	2135766699

LUST:

Global Id:	T0603701910
Action Type:	ENFORCEMENT
Date:	09/21/2011
Action:	Staff Letter
Global Id:	T0603701910
Action Type:	ENFORCEMENT
Date:	10/25/2010
Action:	Clean Up Fund - Case Closure Review Summary Report (RSR)
Global Id:	T0603701910
Action Type:	Other
Date:	05/02/1996
Action:	Leak Discovery
Global Id:	T0603701910
Action Type:	RESPONSE
Date:	07/15/2003
Action:	Monitoring Report - Quarterly
Global Id:	T0603701910
Action Type:	RESPONSE
Date:	06/12/2003
Action:	Interim Remedial Action Plan
Global Id:	T0603701910
Action Type:	RESPONSE
Date:	01/15/2004
Action:	CAP/RAP - Feasibility Study Report

UNITED OIL #05 (Continued) **S102439629**

Global Id: T0603701910
Action Type: RESPONSE
Date: 01/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603701910
Action Type: RESPONSE
Date: 04/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603701910
Action Type: RESPONSE
Date: 10/15/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0603701910
Action Type: RESPONSE
Date: 10/01/2010
Action: Well Installation Report

Global Id: T0603701910
Action Type: RESPONSE
Date: 12/14/2010
Action: Corrective Action Plan / Remedial Action Plan - Addendum

Global Id: T0603701910
Action Type: RESPONSE
Date: 01/15/2015
Action: Conceptual Site Model

Global Id: T0603701910
Action Type: RESPONSE
Date: 07/15/2014
Action: Remedial Progress Report

Global Id: T0603701910
Action Type: RESPONSE
Date: 04/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603701910
Action Type: RESPONSE
Date: 10/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603701910
Action Type: RESPONSE
Date: 08/27/2007
Action: Well Installation Report

Global Id: T0603701910
Action Type: RESPONSE
Date: 07/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603701910
Action Type: ENFORCEMENT

UNITED OIL #05 (Continued) **S102439629**

Date: 11/05/2003
Action: Staff Letter

Global Id: T0603701910
Action Type: ENFORCEMENT
Date: 06/29/2015
Action: Notification - Preclosure

Global Id: T0603701910
Action Type: Other
Date: 08/02/1996
Action: Leak Reported

Global Id: T0603701910
Action Type: RESPONSE
Date: 01/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0603701910
Action Type: RESPONSE
Date: 07/15/2002
Action: Other Report / Document

Global Id: T0603701910
Action Type: RESPONSE
Date: 01/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603701910
Action Type: RESPONSE
Date: 10/15/2002
Action: Monitoring Report - Quarterly

Global Id: T0603701910
Action Type: RESPONSE
Date: 10/15/2007
Action: Soil and Water Investigation Workplan

Global Id: T0603701910
Action Type: RESPONSE
Date: 10/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603701910
Action Type: RESPONSE
Date: 04/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603701910
Action Type: REMEDIATION
Date: 01/23/2004
Action: Soil Vapor Extraction (SVE)

Global Id: T0603701910
Action Type: REMEDIATION
Date: 10/01/2002
Action: Soil Vapor Extraction (SVE)

UNITED OIL #05 (Continued) **S102439629**

Global Id: T0603701910
Action Type: REMEDIATION
Date: 04/10/2008
Action: Dual Phase Extraction

Global Id: T0603701910
Action Type: REMEDIATION
Date: 04/10/2008
Action: Soil Vapor Extraction (SVE)

Global Id: T0603701910
Action Type: ENFORCEMENT
Date: 06/17/2002
Action: Staff Letter

Global Id: T0603701910
Action Type: Other
Date: 07/31/1996
Action: Leak Stopped

Global Id: T0603701910
Action Type: RESPONSE
Date: 12/04/2008
Action: Remedial Progress Report

Global Id: T0603701910
Action Type: RESPONSE
Date: 07/16/2008
Action: Soil and Water Investigation Report

Global Id: T0603701910
Action Type: RESPONSE
Date: 01/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603701910
Action Type: RESPONSE
Date: 07/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603701910
Action Type: RESPONSE
Date: 01/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603701910
Action Type: RESPONSE
Date: 04/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603701910
Action Type: RESPONSE
Date: 01/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603701910
Action Type: RESPONSE

UNITED OIL #05 (Continued) **S102439629**

Date: 11/19/2004
Action: CAP/RAP - Feasibility Study Report

Global Id: T0603701910
Action Type: RESPONSE
Date: 01/15/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0603701910
Action Type: RESPONSE
Date: 03/01/2010
Action: Other Workplan

Global Id: T0603701910
Action Type: RESPONSE
Date: 07/15/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0603701910
Action Type: RESPONSE
Date: 12/06/2011
Action: Well Installation Report

Global Id: T0603701910
Action Type: RESPONSE
Date: 02/17/2015
Action: Request for Closure - Regulator Responded

Global Id: T0603701910
Action Type: ENFORCEMENT
Date: 06/15/2009
Action: Staff Letter

Global Id: T0603701910
Action Type: ENFORCEMENT
Date: 11/15/2011
Action: Staff Letter

Global Id: T0603701910
Action Type: ENFORCEMENT
Date: 03/22/2016
Action: Closure/No Further Action Letter

Global Id: T0603701910
Action Type: RESPONSE
Date: 10/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603701910
Action Type: RESPONSE
Date: 07/15/2009
Action: Monitoring Report - Semi-Annually

Global Id: T0603701910
Action Type: RESPONSE
Date: 01/15/2009
Action: Remedial Progress Report

UNITED OIL #05 (Continued) **S102439629**

Global Id: T0603701910
Action Type: RESPONSE
Date: 10/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603701910
Action Type: RESPONSE
Date: 07/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603701910
Action Type: RESPONSE
Date: 04/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603701910
Action Type: RESPONSE
Date: 07/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603701910
Action Type: RESPONSE
Date: 01/15/2011
Action: Monitoring Report - Semi-Annually

LUST:
Global Id: T0603701910
Status: Open - Case Begin Date
Status Date: 05/02/1996

Global Id: T0603701910
Status: Open - Site Assessment
Status Date: 08/28/1996

Global Id: T0603701910
Status: Open - Site Assessment
Status Date: 03/28/1997

Global Id: T0603701910
Status: Open - Remediation
Status Date: 08/23/2000

Global Id: T0603701910
Status: Open - Site Assessment
Status Date: 10/16/2007

Global Id: T0603701910
Status: Open - Eligible for Closure
Status Date: 03/03/2015

Global Id: T0603701910
Status: Completed - Case Closed
Status Date: 03/22/2016

LUST REG 4:

UNITED OIL #05 (Continued) **S102439629**

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	908100161	
Status:	Remediation Plan	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Groundwater	
Abatement Method Used at the Site:		Excavate and Dispose
Global ID:	T0603701910	
W Global ID:	Not reported	
Staff:	MB	
Local Agency:	19060	
Cross Street:	LINCOLN ST	
Enforcement Type:	DLSEL	
Date Leak Discovered:	5/2/1996	
Date Leak First Reported:		8/2/1996
Date Leak Record Entered:	9/23/1996	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	7/31/1996	
Date Case Last Changed on Database:		7/23/2002
Date the Case was Closed:		Not reported
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	Not reported	
Leak Source:	Not reported	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		3445.13892635722303796782702 05
Source of Cleanup Funding:		Not reported
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		8/28/1996
Pollution Characterization Began:		3/28/1997
Remediation Plan Submitted:		8/23/2000
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		1/1/1965
Hist Max MTBE Conc in Groundwater:		1270000
Hist Max MTBE Conc in Soil:		425
Significant Interim Remedial Action Taken:		Yes
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	MARK B. GILMARTIN	
RP Address:	2817 LAFAYETTE AVENUE	
Program:	LUST	
Lat/Long:	33.8226221 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	

UNITED OIL #05 (Continued) **S102439629**

Summary: GW & SOIL CONTAMINATION IS UNDEFINED; 9/26/00 3RD QTR GW MON RPT 2000; 1/5/01 4TH QTR GW MON RPT 2000; 3/1/01 VAPOR EXTRACTION/AIR SPARGING PILOT TEST RPT.

CORTESE:

Name:	SANESCO #5
Address:	3631 SANTA FE AVE
City,State,Zip:	LONG BEACH, CA 90810
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0603701910
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

HIST CORTESE:

edr_fname:	UNITED OIL #05
edr_fadd1:	3631 SANTA FE
City,State,Zip:	LONG BEACH, CA
Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	908100161

CERS:

Name:	SANESCO #5
Address:	3631 SANTA FE AVE
City,State,Zip:	LONG BEACH, CA 90810
Site ID:	201583
CERS ID:	T0603701910
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	MAGDY BAIADY - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	320 W. 4TH ST., SUITE 200
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported

UNITED OIL #05 (Continued) **S102439629**

Affiliation Phone: 2135766699,

O73 **MANVILLE PLANT** **RESPONSE** **S104406548**
NNW **2420 223RD ST E** **ENVIROSTOR** **N/A**
1/4-1/2 **CARSON, CA 90810** **LUST**
0.437 mi. **DEED**
2308 ft. **Site 3 of 5 in cluster O** **Cortese**
HIST CORTESE
Relative: Higher **CERS**

Actual: 27 ft.

RESPONSE:

Name:	MANVILLE CORPORATION
Address:	2420 EAST 223RD STREET
City,State,Zip:	CARSON, CA 90810
Facility ID:	19320001
Site Type:	State Response
Site Type Detail:	State Response or NPL
Acres:	16
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Clayton Larkins
Supervisor:	Patrick Hsieh
Division Branch:	Cleanup Cypress
Site Code:	300089
Site Mgmt. Req.:	ASP, DAY, ELD, HOS, LUC, FEN, EX, NUSE, SCH, FOOD, RES, ASP, DAY, ELD, HOS, LUC, FEN, EX, NUSE, SCH, FOOD, RES
Assembly:	64
Senate:	35
Special Program Status:	Not reported
Status:	Certified O&M - Land Use Restrictions Only
Status Date:	07/12/1990
Restricted Use:	YES
Funding:	Responsible Party
Latitude:	33.82424
Longitude:	-118.2341
APN:	NONE SPECIFIED
Past Use:	UNKNOWN
Potential COC :	Asbestos Containing Materials (ACM
Confirmed COC:	NONE SPECIFIED
Potential Description:	SOIL
Alias Name:	19320001
Alias Type:	Envirostor ID Number
Alias Name:	JOHNS-MANVILLE CORPORATION
Alias Type:	Alternate Name
Alias Name:	JOHNS-MANVILLE, CARSON
Alias Type:	Alternate Name
Alias Name:	CAD060386596
Alias Type:	EPA Identification Number
Alias Name:	110002652594
Alias Type:	EPA (FRS #)
Alias Name:	110033608610
Alias Type:	EPA (FRS #)
Alias Name:	P41023
Alias Type:	PCode
Alias Name:	300089
Alias Type:	Project Code (Site Code)

MANVILLE PLANT (Continued) **S104406548**

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Action Plan
Completed Date:	07/31/1989
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Investigation / Feasibility Study
Completed Date:	05/31/1989
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Land Use Restriction - Amendment
Completed Date:	12/16/1991
Comments:	Amended deed restriction recorded 12/03/91.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Land Use Restriction
Completed Date:	07/12/1990
Comments:	The Department and Manville Sales Corporation entered into a Consent Agreement on June 30, 1990 to restrict land use at Manville site. This deed was recorded in Los Angeles County Recorder on July 12, 1990.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Certification
Completed Date:	06/29/1990
Comments:	Certification of Remedial Action Plan (asbestos/underground storage tanks) by DHS.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	* Discovery
Completed Date:	02/15/1981
Comments:	Facility identified via LA County Engineers files.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Project Management
Completed Date:	06/30/2021
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	12/04/2013
Comments:	Completed

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	11/03/2014

MANVILLE PLANT (Continued) **S104406548**

Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

ENVIROSTOR:
Name: MANVILLE CORPORATION
Address: 2420 EAST 223RD STREET
City,State,Zip: CARSON, CA 90810
Facility ID: 19320001
Status: Certified O&M - Land Use Restrictions Only
Status Date: 07/12/1990
Site Code: 300089
Site Type: State Response
Site Type Detailed: State Response or NPL
Acres: 16
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Clayton Larkins
Supervisor: Patrick Hsieh
Division Branch: Cleanup Cypress
Assembly: 64
Senate: 35
Special Program: Not reported
Restricted Use: YES
Site Mgmt Req: ASP, DAY, ELD, HOS, LUC, FEN, EX, NUSE, SCH, FOOD, RES, ASP, DAY, ELD, HOS, LUC, FEN, EX, NUSE, SCH, FOOD, RES
Funding: Responsible Party
Latitude: 33.82424
Longitude: -118.2341
APN: NONE SPECIFIED
Past Use: UNKNOWN
Potential COC: Asbestos Containing Materials (ACM
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL
Alias Name: 19320001
Alias Type: Envirostor ID Number
Alias Name: JOHNS-MANVILLE CORPORATION
Alias Type: Alternate Name
Alias Name: JOHNS-MANVILLE, CARSON
Alias Type: Alternate Name
Alias Name: CAD060386596
Alias Type: EPA Identification Number
Alias Name: 110002652594
Alias Type: EPA (FRS #)
Alias Name: 110033608610
Alias Type: EPA (FRS #)
Alias Name: P41023
Alias Type: PCode

MANVILLE PLANT (Continued) **S104406548**

Alias Name: 300089
Alias Type: Project Code (Site Code)

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 07/31/1989
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 05/31/1989
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Amendment
Completed Date: 12/16/1991
Comments: Amended deed restriction recorded 12/03/91.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 07/12/1990
Comments: The Department and Manville Sales Corporation entered into a Consent Agreement on June 30, 1990 to restrict land use at Manville site. This deed was recorded in Los Angeles County Recorder on July 12, 1990.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 06/29/1990
Comments: Certification of Remedial Action Plan (asbestos/underground storage tanks) by DHS.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 02/15/1981
Comments: Facility identified via LA County Engineers files.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Project Management
Completed Date: 06/30/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 12/04/2013
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

MANVILLE PLANT (Continued) **S104406548**

Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/03/2014
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

LUST:
Name: MANVILLE PLANT
Address: 2420 223RD ST E
City,State,Zip: CARSON, CA 90810
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603702687
Global Id: T0603702687
Latitude: 33.8244487
Longitude: -118.2309273
Status: Completed - Case Closed
Status Date: 07/18/1996
Case Worker: YR
RB Case Number: I-00223
Local Agency: LOS ANGELES COUNTY
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0603702687
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

Global Id: T0603702687
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603702687
Action Type: Other

MANVILLE PLANT (Continued) **S104406548**

Date: 06/29/1990
Action: Leak Discovery

Global Id: T0603702687
Action Type: ENFORCEMENT
Date: 07/18/1996
Action: Closure/No Further Action Letter

Global Id: T0603702687
Action Type: Other
Date: 07/25/1990
Action: Leak Reported

Global Id: T0603702687
Action Type: Other
Date: 06/29/1990
Action: Leak Stopped

LUST:
Global Id: T0603702687
Status: Open - Case Begin Date
Status Date: 05/25/1990

Global Id: T0603702687
Status: Open - Site Assessment
Status Date: 05/25/1990

Global Id: T0603702687
Status: Open - Site Assessment
Status Date: 06/15/1990

Global Id: T0603702687
Status: Completed - Case Closed
Status Date: 07/18/1996

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: I-00223
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Excavate and Dispose
Global ID: T0603702687
W Global ID: Not reported
Staff: UNK
Local Agency: 19000
Cross Street: WILMINGTON AVE
Enforcement Type: Not reported
Date Leak Discovered: 6/29/1990
Date Leak First Reported: 7/25/1990
Date Leak Record Entered: 9/26/1990

MANVILLE PLANT (Continued) **S104406548**

Date Confirmation Began: Not reported
Date Leak Stopped: 6/29/1990
Date Case Last Changed on Database: 12/23/1996
Date the Case was Closed: 7/18/1996
How Leak Discovered: Tank Closure
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: CLUMPUS, MARVIN
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 1148.4783970301480426412314408
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: 5/25/1990
Pollution Characterization Began: 6/15/1990
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: MANVILLE SALES CORPORATION
RP Address: P.O. BOX 5108 DENVER, COLORADO, 80217
Program: LUST
Lat/Long: 33.8242963 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

DEED:
Name: MANVILLE CORPORATION
Address: 2420 EAST 223RD STREET
City,State,Zip: CARSON, CA 90810
Envirostor ID: 19320001
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: STATE RESPONSE
Status: CERTIFIED O&M - LAND USE RESTRICTIONS ONLY
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): Not reported
File Name: Envirostor Land Use Restrictions

Name: MANVILLE CORPORATION
Address: 2420 EAST 223RD STREET
City,State,Zip: CARSON, CA 90810

MANVILLE PLANT (Continued) **S104406548**

Envirostor ID: 19320001
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: STATE RESPONSE
Status: CERTIFIED O&M - LAND USE RESTRICTIONS ONLY
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): Not reported
File Name: Envirostor Land Use Restrictions

CORTESE:
Name: MANVILLE PLANT
Address: 2420 223RD ST E
City,State,Zip: CARSON, CA 90810
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0603702687
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

HIST CORTESE:
edr_fname: MANVILLE PLANT
edr_fadd1: 2420 223RD
City,State,Zip: CARSON, CA 90745
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: I-00223

CERS:
Name: MANVILLE PLANT
Address: 2420 223RD ST E
City,State,Zip: CARSON, CA 90810
Site ID: 204531
CERS ID: T0603702687
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: JOHN AWUJO - LOS ANGELES COUNTY

MANVILLE PLANT (Continued) **S104406548**

Entity Title:	Not reported
Affiliation Address:	900 S FREMONT AVE
Affiliation City:	ALHAMBRA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	6264583507,
Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	320 W. 4TH ST., SUITE 200
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

O74 **MANVILLE CORPORATION** **HIST Cal-Sites** **S100833315**
NNW **2420 EAST 223RD STREET** **CA BOND EXP. PLAN** **N/A**
1/4-1/2 **CARSON, CA 90810** **CERS**
0.437 mi.
2308 ft. **Site 4 of 5 in cluster O**

Relative:
Higher

Actual:
27 ft.

Calsite:

Name:	MANVILLE CORPORATION
Address:	2420 EAST 223RD STREET
City:	CARSON
Region:	CYPRESS
Facility ID:	19320001
Facility Type:	RP
Type:	RESPONSIBLE PARTY
Branch:	SB
Branch Name:	SO CAL - CYPRESS
File Name:	Not reported
State Senate District:	06291990
Status:	CERTIFIED OPERATION AND MAINTENANCE, ALL PLANNED ACTIVITIES IMPLEMENTED, REMEDIATION CONTINUES
Status Name:	CERTIFIED / OPERATION & MAINTENANCE
Lead Agency:	DEPT OF TOXIC SUBSTANCES CONTROL
NPL:	Not Listed
SIC Code:	32
SIC Name:	MANU - STONE, CLAY & GLASS PRODUCTS
Access:	Not reported
Cortese:	Not reported
Hazardous Ranking Score:	Not reported
Date Site Hazard Ranked:	Not reported
Groundwater Contamination:	Unknown
Staff Member Responsible for Site:	SSAYED
Supervisor Responsible for Site:	Not reported
Region Water Control Board:	Not reported
Region Water Control Board Name:	Not reported
Lat/Long Direction:	Not reported
Lat/Long (dms):	0 0 0 / 0 0 0
Lat/long Method:	Not reported
Lat/Long Description:	Not reported
State Assembly District Code:	55

MANVILLE CORPORATION (Continued) **S100833315**

State Senate District Code:	28
Facility ID:	19320001
Activity:	DISC
Activity Name:	DISCOVERY
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	02151981
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19320001
Activity:	RIFS
Activity Name:	REMEDIAL INVESTIGATION / FEASIBILITY STUDY
AWP Code:	CAP
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	05311989
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19320001
Activity:	RAP
Activity Name:	REMEDIAL ACTION PLAN / RECORD OF DECISION
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	07311989

MANVILLE CORPORATION (Continued) **S100833315**

Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19320001
Activity:	CERT
Activity Name:	CERTIFICATION
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	06291990
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	1860
Liquids Treated (Gals):	0
Action Included Capping:	X
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	N
Activity Comments:	550,000 CUBIC YARDS CAPPED, 1,860 TONS REMOVED.
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19320001
Activity:	DEED
Activity Name:	DEED RESTRICTIONS
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	07121990
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported

MANVILLE CORPORATION (Continued) **S100833315**

Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19320001
Activity:	DEED
Activity Name:	DEED RESTRICTIONS
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	12161991
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19320001
Activity:	OM
Activity Name:	OPERATION & MAINTENANCE
AWP Code:	1
Proposed Budget:	0
AWP Completion Date:	06301995
Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	M
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Alternate Address:	2420 EAST 223RD STREET
Alternate City,St,Zip:	CARSON, CA 90810

MANVILLE CORPORATION (Continued) **S100833315**

Background Info:	This 65-acre site was used from 1937 to 1982 to manufacture asbestos insulation products, cement and polyvinyl chloride pipe. Site has been certified. Contaminants were asbestos.
Comments Date:	01011983
Comments:	This is the date the site was first listed pursuant to
Comments Date:	01011983
Comments:	section 25356.
Comments Date:	01141991
Comments:	DHS received EPA Federal Investigation Team's Screening
Comments Date:	01141991
Comments:	Site Inspection Summary Report. EPA recommends NFA (3/22/90)
Comments Date:	02151981
Comments:	Facility identified via LA County Engineers files.
Comments Date:	02171981
Comments:	Facility Drive-by: Active facility.
Comments Date:	02241981
Comments:	Sent letter requesting information.
Comments Date:	04131981
Comments:	Records Search (RWQCB): Permit for non-process waters.
Comments Date:	04151982
Comments:	Records Search (LA County Engineering): Index 223, Permit
Comments Date:	04151982
Comments:	6087J current.
Comments Date:	05011989
Comments:	Remedial Investigation / Feasibility Study approved (capping
Comments Date:	05011989
Comments:	asbestos in two on-site cells).
Comments Date:	06191989
Comments:	Records Search: Site listed in 1989 Bond Expenditure Plan.
Comments Date:	06291990
Comments:	Certification of Remedial Action Plan (asbestos/underground
Comments Date:	06291990
Comments:	storage tanks) by DHS.
Comments Date:	07011989
Comments:	Remedial Action Plan approved by DHS.
Comments Date:	07011990
Comments:	PCE/TCE groundwater investigation pending.
Comments Date:	07121990
Comments:	The Department and Manville Sales Corporation entered into a
Comments Date:	07121990
Comments:	Consent Agreement on June 30, 1990 to restrict land use at
Comments Date:	07121990
Comments:	Manville site. This deed was recorded in Los Angeles County
Comments Date:	07121990
Comments:	Recorder on July 12, 1990.
Comments Date:	08181991
Comments:	Records Search: Site Certified in June 1990.
Comments Date:	09011989
Comments:	Asbestos remediation started.
Comments Date:	12161991
Comments:	Amended deed restriction recorded 12/03/91.
ID Name:	EPA IDENTIFICATION NUMBER
ID Value:	CAD060386596
ID Name:	BEP DATABASE PCODE
ID Value:	P41023
ID Name:	CALSTARS CODE
ID Value:	300089

MANVILLE CORPORATION (Continued) **S100833315**

Alternate Name: JOHNS-MANVILLE CORPORATION
Alternate Name: MANVILLE CORPORATION
Alternate Name: JOHNS-MANVILLE, CARSON
Alternate Name: Not reported
Special Programs Code: Not reported
Special Programs Name: Not reported

CA BOND EXP. PLAN:
Reponsible Party: RESPONSIBLE PARTY LEAD SITE CLEANUP WORKPLAN
Project Revenue Source Company: Not reported
Project Revenue Source Addr: Not reported
Project Revenue Source City,St,Zip: Not reported
Project Revenue Source Desc: The responsible party has paid for all remediation activities to date and is expected to continue. The RP provided DHS with $50,000 advance funding for DHS' oversight and monitoring costs under the terms of the enforceable agreement signed in November, 1987. The $50,000 in advance funds have been spent. DHS has budgeted $50,000 for contractor assistance to DHS oversight/monitoring staff. DHS will recover 100 percent of direct costs plus staff costs related to the project.
Site Description: This 65-acre site was used from 1937 to 1982 to manufacture asbestos insulation products, cement and polyvinyl chloride pipe. The site is currently vacant but contains spilled and buried asbestos waste.
Hazardous Waste Desc: Numerous buried settling ponds and disposal pits which contain asbestos wastes exist throughout the site.
Threat To Public Health & Env: The primary threat is human exposure to a release of asbestos fibers. To preclude direct contact with the substances, the site is fenced and secured 24 hours a day.
Site Activity Status: Manville Corporation entered into an enforceable agreement with the Department in November, 1987 to conduct remedial investigation activities. A remedial investigation was conducted to define the nature and extent of contamination and to determine the type and extent of remedial measures necessary. A feasibility study was approved July, 1988. A draft RAP is under review by DHS and is expected to be final by January, 1989.

CERS:
Name: MANVILLE CORPORATION
Address: 2420 EAST 223RD STREET
City,State,Zip: CARSON, CA 90810
Site ID: 608464
CERS ID: 19320001
CERS Description: State Response

Affiliation:
Affiliation Type Desc: Lead Project Manager
Entity Name: Safouh Sayed
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Supervisor
Entity Name: Patrick Hsieh
Entity Title: Not reported
Affiliation Address: Not reported

MANVILLE CORPORATION (Continued) **S100833315**

Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

75
NW
1/4-1/2
0.449 mi.
2371 ft.

Relative:
Higher

Actual:
23 ft.

VENTURA TRANSFER COMPANY
2418 EAST 223RD STREET
LONG BEACH, CA 90810

RCRA-LQG **1000422366**
LUST **CAD009774167**
SWEEPS UST
HIST UST
CA FID UST
Cortese
EMI
LOS ANGELES CO. HMS
HAZNET
NPDES
WDS
CERS
HWTS

RCRA Listings:

Date Form Received by Agency:	20160615
Handler Name:	Ventura Transfer Company
Handler Address:	2418 EAST 223RD STREET
Handler City,State,Zip:	LONG BEACH, CA 90810
EPA ID:	CAD009774167
Contact Name:	JIM CHENEY
Contact Address:	EAST 223RD STREET
Contact City,State,Zip:	LONG BEACH, CA 90810
Contact Telephone:	310-549-1660 303
Contact Fax:	310-834-4844
Contact Email:	JCHENEY@VENTURATRANSFER.COM
Contact Title:	ENVIRONMENTAL AND COMPLIANCE MANAGER
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	2015
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	EAST 223RD STREET
Mailing City,State,Zip:	LONG BEACH, CA 90810
Owner Name:	Ventura Transfer Company
Owner Type:	Private
Operator Name:	Ventura Transfer Company
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	Yes
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No

VENTURA TRANSFER COMPANY (Continued) **1000422366**

Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20161104
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2015

Click Here for Biennial Reporting System Data:
Year: 2011

Click Here for Biennial Reporting System Data:
Year: 2009

Click Here for Biennial Reporting System Data:
Year: 2007

Click Here for Biennial Reporting System Data:
Year: 2005

Click Here for Biennial Reporting System Data:
Year: 2003

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D001
Waste Description: IGNITABLE WASTE

VENTURA TRANSFER COMPANY (Continued) **1000422366**

Waste Code: D002
Waste Description: CORROSIVE WASTE

Waste Code: D003
Waste Description: REACTIVE WASTE

Waste Code: F001
Waste Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F003
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F005
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: U117
Waste Description: ETHANE, 1,1'-OXYBIS-(I) (OR) ETHYL ETHER (I)

Waste Code: U147
Waste Description: 2,5-FURANDIONE (OR) MALEIC ANHYDRIDE

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: VENTURA TRANSFER CO
Legal Status: Private
Date Became Current: 19270620
Date Ended Current: Not reported
Owner/Operator Address: 2418 E 223RD ST
Owner/Operator City,State,Zip: LONG BEACH, CA 90810
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator

VENTURA TRANSFER COMPANY (Continued) **1000422366**

Owner/Operator Name: VENTURA TRANSFER COMPANY
Legal Status: Private
Date Became Current: 19710728
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: CLIFFORD JACK L PRESIDENT
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: VENTURA TRANSFER CO
Legal Status: Private
Date Became Current: 19710101
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: UNION PACIFIC RAILWAY
Legal Status: Private
Date Became Current: 19710701
Date Ended Current: Not reported
Owner/Operator Address: 2418 E. 223RD STREET
Owner/Operator City,State,Zip: LONG BEACH, CA 90810
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: VENTURA TRANSFER COMPANY
Legal Status: Private
Date Became Current: 19710728
Date Ended Current: Not reported
Owner/Operator Address: 2418 E. 223RD STREET
Owner/Operator City,State,Zip: LONG BEACH, CA 90810
Owner/Operator Telephone: 310-549-1660
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported

VENTURA TRANSFER COMPANY (Continued) **1000422366**

Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: VENTURA TRANSFER COMPANY
Legal Status: Private
Date Became Current: 19710728
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: VENTURA TRANSFER COMPANY
Legal Status: Private
Date Became Current: 19710728
Date Ended Current: Not reported
Owner/Operator Address: 2418 E. 223RD STREET
Owner/Operator City,State,Zip: LONG BEACH, CA 90810
Owner/Operator Telephone: 310-549-1660
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: NOT REQUIRED
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: UNION PACIFIC RAILROAD
Legal Status: Private
Date Became Current: 19500101
Date Ended Current: Not reported
Owner/Operator Address: 1400 DOUGLAS STREET
Owner/Operator City,State,Zip: OMAHA, NE 68179
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: VENTURA TRANSFER COMPANY
Legal Status: Private
Date Became Current: 19710728
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported

VENTURA TRANSFER COMPANY (Continued) **1000422366**

Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: RON PERCIVAL
Legal Status: Private
Date Became Current: 20030501
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: VENTURA TRANSFER COMPANY
Legal Status: Private
Date Became Current: 19710728
Date Ended Current: Not reported
Owner/Operator Address: 2418 E. 223RD STREET
Owner/Operator City,State,Zip: LONG BEACH, CA 90810
Owner/Operator Telephone: 310-549-1660
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: VENTURA TRANSFER COMPANY
Legal Status: Private
Date Became Current: 19710728
Date Ended Current: Not reported
Owner/Operator Address: 2418 E 223RD ST.
Owner/Operator City,State,Zip: LONG BEACH, CA 90810
Owner/Operator Telephone: 310-549-1660
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20100115
Handler Name: VENTURA TRANSFER COMPANY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20120228
Handler Name: VENTURA TRANSFER COMPANY

VENTURA TRANSFER COMPANY (Continued) **1000422366**

Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20160615
Handler Name: VENTURA TRANSFER COMPANY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19960901
Handler Name: VENTURA TRANSFR DBA ORR TANK LNS
Federal Waste Generator Description: Large Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19800804
Handler Name: VENTURA TRANSFR DBA ORR TANK LNS
Federal Waste Generator Description: Not a generator, verified
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19900404
Handler Name: VENTURA TRANSFER CO/ORR TANK LINES (DBA)
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No

VENTURA TRANSFER COMPANY (Continued) **1000422366**

Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19920331
Handler Name: VENTURA TRANSFER CO.
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19940330
Handler Name: VENTURA TRANSFER CO
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20040223
Handler Name: VENTURA TRANSFER COMPANY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20060216
Handler Name: VENTURA TRANSFER COMPANY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

VENTURA TRANSFER COMPANY (Continued) **1000422366**

Receive Date: 20080118
Handler Name: VENTURA TRANSFER COMPANY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 48411
NAICS Description: GENERAL FREIGHT TRUCKING, LOCAL

NAICS Code: 484121
NAICS Description: GENERAL FREIGHT TRUCKING, LONG-DISTANCE, TRUCKLOAD

NAICS Code: 48422
NAICS Description: SPECIALIZED FREIGHT (EXCEPT USED GOODS) TRUCKING, LOCAL

NAICS Code: 48423
NAICS Description: SPECIALIZED FREIGHT (EXCEPT USED GOODS) TRUCKING, LONG-DISTANCE

NAICS Code: 48849
NAICS Description: OTHER SUPPORT ACTIVITIES FOR ROAD TRANSPORTATION

Has the Facility Received Notices of Violations:
Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 20160217
Actual Return to Compliance Date: 20160317
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported

VENTURA TRANSFER COMPANY (Continued) **1000422366**

SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	20160217
Actual Return to Compliance Date:	20160317
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State

VENTURA TRANSFER COMPANY (Continued) **1000422366**

Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	20160217
Actual Return to Compliance Date:	20160317
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported

VENTURA TRANSFER COMPANY (Continued) **1000422366**

SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	20160217
Actual Return to Compliance Date:	20160317
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported

VENTURA TRANSFER COMPANY (Continued) **1000422366**

Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported

VENTURA TRANSFER COMPANY (Continued) **1000422366**

SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Evaluation Action Summary:

Evaluation Date:	20160217
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	CUPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20160317
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20200113
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20160217
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	CUPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20160317
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20160217
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	CUPA

VENTURA TRANSFER COMPANY (Continued) **1000422366**

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20160317
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20160217
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	CUPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20160317
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19860303
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	NON-FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19860303
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

LUST:

Name:	VENTURA TRANSFER COMPANY
Address:	2418 E 223RD ST
City,State,Zip:	CARSON, CA 90810
Lead Agency:	LOS ANGELES COUNTY
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000002682
Global Id:	T10000002682
Latitude:	33.816906441024

VENTURA TRANSFER COMPANY (Continued) **1000422366**

Longitude: -118.232920020819
Status: Completed - Case Closed
Status Date: 12/09/2010
Case Worker: PGT
RB Case Number: Not reported
Local Agency: LOS ANGELES COUNTY
File Location: Local Agency
Local Case Number: 001514-001588
Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel
Site History: Not reported

LUST:
Global Id: T10000002682
Contact Type: Local Agency Caseworker
Contact Name: PHILLIP GHARIBIANS-TABRIZI
Organization Name: LOS ANGELES COUNTY
Address: 900 S. FREMONT AVE.
City: ALHAMBRA
Email: pgharibians@dpw.lacounty.gov
Phone Number: Not reported

LUST:
Global Id: T10000002682
Status: Completed - Case Closed
Status Date: 12/09/2010

Global Id: T10000002682
Status: Open - Case Begin Date
Status Date: 12/09/2010

SWEEPS UST:
Name: VENTURA TRANSFER CO
Address: 2418 E 223RD ST
City: CARSON
Status: Active
Comp Number: 1588
Number: 9
Board Of Equalization: 44-007569
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-001588-000001
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 2

Name: VENTURA TRANSFER CO
Address: 2418 E 223RD ST
City: CARSON
Status: Active

VENTURA TRANSFER COMPANY (Continued) **1000422366**

Comp Number: 1588
Number: 9
Board Of Equalization: 44-007569
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-001588-000002
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

HIST UST:
Name: VENTURA TRANSFER COMPANY
Address: 2418 E 223RD ST
City,State,Zip: LONG BEACH, CA 90810
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000005045
Facility Type: Other
Other Type: TRUCKING
Contact Name: Not reported
Telephone: 2137758551
Owner Name: VENTURA TRANSFER COMPANY
Owner Address: 2418 EAST 223RD STREET
Owner City,St,Zip: LONG BEACH, CA 90810
Total Tanks: 0003

Tank Num: 001
Container Num: S-1
Year Installed: 1971
Tank Capacity: 00004300
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: 6
Leak Detection: Visual

Tank Num: 002
Container Num: DRAIN OIL1
Year Installed: 1971
Tank Capacity: 00000550
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: DIESEL1
Year Installed: 1971
Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: DIESEL

VENTURA TRANSFER COMPANY (Continued) **1000422366**

Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

CA FID UST:
Facility ID: 19000139
Regulated By: UTNKA
Regulated ID: 00005045
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 8180000000
Mail To: Not reported
Mailing Address: 2418 E 223RD ST
Mailing Address 2: Not reported
Mailing City,St,Zip: CARSON
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

CORTESE:
Name: VENTURA TRANSFER COMPANY
Address: 2418 E 223RD ST
City,State,Zip: CARSON, CA 90810
Region: CORTESE
Envirostor Id: Not reported
Global ID: T10000002682
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

EMI:
Name: VENTURA TRANSFER CO
Address: 2418 E 223RD ST
City,State,Zip: CARSON, CA
Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 64315

VENTURA TRANSFER COMPANY (Continued) **1000422366**

Air District Name:	SC
SIC Code:	4212
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

LOS ANGELES CO. HMS:

Name:	VENTURA TRANSFER CO
Address:	2418 E 223RD ST
City,State,Zip:	CARSON, CA 908101617
Region:	LA
Permit Category:	I
Facility Id:	001514-I01588
Facility Type:	01
Facility Status:	Permit
Area:	22
Permit Number:	000003720
Permit Status:	Permit

Name:	VENTURA TRANSFER CO
Address:	2418 E 223RD ST
City,State,Zip:	CARSON, CA 908101617
Region:	LA
Permit Category:	T
Facility Id:	001514-001588
Facility Type:	0
Facility Status:	Permit
Area:	22
Permit Number:	00003046T
Permit Status:	Permit

Name:	VENTURA TRANSFER CO
Address:	2418 E 223RD ST
City,State,Zip:	CARSON, CA 908101617
Region:	LA
Permit Category:	S
Facility Id:	001514-047931
Facility Type:	S6
Facility Status:	Closed
Area:	22
Permit Number:	CGI005810
Permit Status:	Closed

HAZNET:

Name:	BASF CORPORATION
Address:	2418 E. 223RD ST.
Address 2:	Not reported
City,State,Zip:	CARSON, CA 90810
Contact:	SHONTEL STEWART

VENTURA TRANSFER COMPANY (Continued) **1000422366**

Telephone:	2253130458
Mailing Name:	Not reported
Mailing Address:	P.O. BOX 457
Year:	2020
Gepaid:	CAC003078750
TSD EPA ID:	CAD028409019
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0005

Additional Info:

Year:	2020
Gen EPA ID:	CAC003078750
Shipment Date:	10/21/2020
Creation Date:	12/7/2020
Receipt Date:	11/6/2020
Manifest ID:	021722224JJK
Trans EPA ID:	CAR000030114
Trans Name:	NRC ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

NPDES:

Name:	VENTURA TRANSFER COMPANY
Address:	2418 E 223RD ST
City,State,Zip:	LONG BEACH, CA 90810
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	4 19I005810
Regulatory Measure Type:	Industrial
Program Type:	Not reported

VENTURA TRANSFER COMPANY (Continued) **1000422366**

Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	11/17/1992
Operator Name:	Ventura Transfer Company
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	189539
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19I005810
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	11/17/1992
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Ventura Transfer Company
Discharge Address:	2418 E 223rd St
Discharge City:	Long Beach
Discharge State:	California
Discharge Zip:	90810
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported

VENTURA TRANSFER COMPANY (Continued) **1000422366**

Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	189539
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19I005810
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	11/17/1992

VENTURA TRANSFER COMPANY (Continued) **1000422366**

Status:	Active
Status Date:	11/17/1992
Place Size:	10
Place Size Unit:	Acres
Contact:	Jim Cheney
Contact Title:	Not reported
Contact Phone:	310-549-1660
Contact Phone Ext:	303
Contact Email:	jcheney@venturatransfer.com
Operator Name:	Ventura Transfer Company
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Private Individual
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	310-549-1660
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Y
Receiving Water Name:	Dominguez Channel Estuary
Certifier:	Jim Cheney
Certifier Title:	LRP
Certification Date:	08-MAR-16
Primary Sic:	4213-Trucking, Except Local
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	VENTURA TRANSFER COMPANY

VENTURA TRANSFER COMPANY (Continued) **1000422366**

Address:	2418 E 223RD ST
City,State,Zip:	LONG BEACH, CA 90810
Facility Status:	Active
NPDES Number:	CAS000001
Region:	4
Agency Number:	0
Regulatory Measure ID:	189539
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	4 19I005810
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	11/17/1992
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	2418 E 223rd St
Discharge Name:	Ventura Transfer Company
Discharge City:	Long Beach
Discharge State:	California
Discharge Zip:	90810
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	189539
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19I005810
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	11/17/1992
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Ventura Transfer Company
Discharge Address:	2418 E 223rd St
Discharge City:	Long Beach
Discharge State:	California
Discharge Zip:	90810
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported

VENTURA TRANSFER COMPANY (Continued) **1000422366**

Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	189539
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19I005810

VENTURA TRANSFER COMPANY (Continued) **1000422366**

Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	11/17/1992
Status:	Active
Status Date:	11/17/1992
Place Size:	10
Place Size Unit:	Acres
Contact:	Jim Cheney
Contact Title:	Not reported
Contact Phone:	310-549-1660
Contact Phone Ext:	303
Contact Email:	jcheney@venturatransfer.com
Operator Name:	Ventura Transfer Company
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Private Individual
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	310-549-1660
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported

VENTURA TRANSFER COMPANY (Continued) **1000422366**

Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Y
Receiving Water Name:	Dominguez Channel Estuary
Certifier:	Jim Cheney
Certifier Title:	LRP
Certification Date:	08-MAR-16
Primary Sic:	4213-Trucking, Except Local
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

WDS:

Name:	VENTURA TRANSFER COMPANY
Address:	2418 E 223rd St
City:	CARSON
Facility ID:	4 19I005810
Facility Type:	Other - Does not fall into the category of Municipal/Domestic, Industrial, Agricultural or Solid Waste (Class I, II or III)
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	4
Facility Telephone:	Not reported
Facility Contact:	Not reported
Agency Name:	VENTURA TRANSFER COMPANY
Agency Address:	Not reported
Agency City,St,Zip:	0
Agency Contact:	Not reported
Agency Telephone:	Not reported
Agency Type:	Not reported
SIC Code:	0
SIC Code 2:	Not reported
Primary Waste Type:	Not reported
Primary Waste:	Not reported
Waste Type2:	Not reported
Waste2:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	Not reported
POTW:	Not reported
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

VENTURA TRANSFER COMPANY (Continued) **1000422366**

CERS:
Name: VENTURA TRANSFER CO
Address: 2418 E 223RD ST
City,State,Zip: CARSON, CA 90810
Site ID: 80444
CERS ID: T10000002682
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: PHILLIP GHARIBIANS-TABRIZI - LOS ANGELES COUNTY
Entity Title: Not reported
Affiliation Address: 900 S. FREMONT AVE.
Affiliation City: ALHAMBRA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Local Agency Caseworker
Entity Name: IHEANACHO OFO - LOS ANGELES COUNTY
Entity Title: Not reported
Affiliation Address: 900 S FREMONT AVE
Affiliation City: ALHAMBRA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 6264583512,

Affiliation Type Desc: Regional Board Caseworker
Entity Name: JIMMIE WOO - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 WEST 4TH STREET, SUITE 200
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 2135766600,

Name: VENTURA TRANSFER CO
Address: 2418 E 223RD ST
City,State,Zip: CARSON, CA 90810
Site ID: 80444
CERS ID: T0603721950
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: PHILLIP GHARIBIANS-TABRIZI - LOS ANGELES COUNTY
Entity Title: Not reported
Affiliation Address: 900 S. FREMONT AVE.
Affiliation City: ALHAMBRA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

VENTURA TRANSFER COMPANY (Continued) **1000422366**

Affiliation Type Desc: Local Agency Caseworker
Entity Name: IHEANACHO OFO - LOS ANGELES COUNTY
Entity Title: Not reported
Affiliation Address: 900 S FREMONT AVE
Affiliation City: ALHAMBRA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 6264583512,

Affiliation Type Desc: Regional Board Caseworker
Entity Name: JIMMIE WOO - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 WEST 4TH STREET, SUITE 200
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 2135766600,

HWTS:
Name: BASF CORPORATION
Address: 2418 E. 223RD ST.
Address 2: Not reported
City,State,Zip: CARSON, CA 90810
EPA ID: CAC003078750
Inactive Date: 11/10/2020
Create Date: 08/11/2020
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: P.O. BOX 457
Mailing Address 2: Not reported
Mailing City,State,Zip: GEISMAR, LA 70734
Owner Name: BASF CORPORATION
Owner Address: P.O. BOX 457
Owner Address 2: Not reported
Owner City,State,Zip: GEISMAR, LA 70734
Contact Name: SHONTEL STEWART
Contact Address: P.O. BOX 457
Contact Address 2: Not reported
City,State,Zip: GEISMAR, LA 70734
Facility Status: Inactive
Facility Type: TEMPORARY
Category: STATE
Latitude: 33.82410702
Longitude: -118.229801

NAICS:
EPA ID: CAC003078750
Create Date: 2020-08-11 11:59:30.797
NAICS Code: 325211
NAICS Description: Plastics Material and Resin Manufacturing
Issued EPA ID Date: 2020-08-11 11:59:30.79700
Inactive Date: 2020-11-10 11:59:30.76700
Facility Name: BASF CORPORATION
Facility Address: 2418 E. 223RD ST.

VENTURA TRANSFER COMPANY (Continued) **1000422366**

Facility Address 2:	Not reported
Facility City:	CARSON
Facility County:	Not reported
Facility State:	CA
Facility Zip:	90810

P76 **IMPORT DEALERS SERVICE** **HIST UST** **U001566233**
SSE **2222 SEPULVEDA** **HIST CORTESE** **N/A**
1/4-1/2 **CARSON, CA 90745**
0.449 mi.
2371 ft. **Site 1 of 4 in cluster P**

Relative: **Higher**
Actual: **26 ft.**

HIST UST:

Name:	IMPORT DEALERS SERVICE CORP
Address:	2222 E SEPULVEDA BLVD
City,State,Zip:	LONG BEACH, CA 90810
File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000041147
Facility Type:	Other
Other Type:	TRANSPORT CO
Contact Name:	D.J. ALLARD
Telephone:	2134270965
Owner Name:	IMPORT DEALERS SERVICE CORP
Owner Address:	2222 E. SEPULVEDA
Owner City,St,Zip:	LONG BEACH, CA 90810
Total Tanks:	0011
Tank Num:	001
Container Num:	#10
Year Installed:	1974
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	#9
Year Installed:	1974
Tank Capacity:	00007500
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	003
Container Num:	#8
Year Installed:	1980
Tank Capacity:	00001000
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	004

IMPORT DEALERS SERVICE (Continued) **U001566233**

Container Num:	#7
Year Installed:	1970
Tank Capacity:	00007500
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	005
Container Num:	#6
Year Installed:	1970
Tank Capacity:	00007500
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	006
Container Num:	#5
Year Installed:	1970
Tank Capacity:	00002000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	007
Container Num:	#4
Year Installed:	1970
Tank Capacity:	00004000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	008
Container Num:	#3
Year Installed:	1970
Tank Capacity:	00002000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	009
Container Num:	#2
Year Installed:	1980
Tank Capacity:	00004000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	010
Container Num:	#1
Year Installed:	Not reported
Tank Capacity:	00010000

IMPORT DEALERS SERVICE (Continued) **U001566233**

Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	011
Container Num:	11
Year Installed:	1970
Tank Capacity:	00018000
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

HIST CORTESE:

edr_fname:	IMPORT DEALERS SERVICE
edr_fadd1:	2222 SEPULVEDA
City,State,Zip:	CARSON, CA 90745
Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	I-06353

P77 **PHILIP WEST INDUSTRIAL SERVICES** **HWP** **S103642990**
SSE **2222 E SEPULVEDA** **HAZNET** **N/A**
1/4-1/2 **CARSON, CA 90810** **HWTS**
0.449 mi.
2371 ft. **Site 2 of 4 in cluster P**

Relative:
Higher

Actual:
26 ft.

HWP:

EPA ID:	CAD981685886
Name:	PHILIP WEST INDUSTRIAL SERVICES
Address:	2222 E SEPULVEDA
Cleanup Status:	CLOSED
Latitude:	33.80419
Longitude:	-118.2258
Facility Type:	Historical - Non-Operating
Facility Size:	Not reported
Supervisor:	Not reported
Site Code:	Not reported
Senate District:	35
Assembly District:	64
Public Information Officer:	Not reported
Commercial Offsite Facility Types:	Not reported
Quarterly Update:	Not reported
Project Manager Lead:	Not reported
Project Manager:	Not reported
Permit Type:	Not reported
Permit Effective Date:	Not reported
Permit Expiration Date:	08/29/1994 (OP),
Calenviroscreen Score:	NA
Total Planned Hours:	Not reported
Total Planned Amount:	Not reported
Total Actual Hours:	Not reported

Activities:

EPA ID:	CAD981685886
Facility Type:	Historical - Non-Operating

PHILIP WEST INDUSTRIAL SERVICES (Continued) **S103642990**

Facility Name:	PHILIP WEST INDUSTRIAL SERVICES
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Status:	CLOSED
Activity Type:	New Operating Permit
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	1994-08-22 00:00:00
Type:	Not reported
Title Description:	Imported 12/2011 - PERMIT1
Due Date:	Not reported
Comments:	Not reported
Unit Names:	CONTAIN1, CONTAIN2
Event Description:	New Operating Permit - FINAL PERMIT
Actual Date:	08/22/1994

EPA ID:	CAD981685886
Facility Type:	Historical - Non-Operating
Facility Name:	PHILIP WEST INDUSTRIAL SERVICES
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Status:	CLOSED
Activity Type:	New Operating Permit
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	1994-08-22 00:00:00
Type:	Not reported
Title Description:	Imported 12/2011 - PERMIT1
Due Date:	Not reported
Comments:	Not reported
Unit Names:	CONTAIN1, CONTAIN2
Event Description:	New Operating Permit - CALL-IN LETTER ISSUED
Actual Date:	08/11/1994

EPA ID:	CAD981685886
Facility Type:	Historical - Non-Operating
Facility Name:	PHILIP WEST INDUSTRIAL SERVICES
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Status:	CLOSED
Activity Type:	New Operating Permit
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	1994-08-22 00:00:00
Type:	Not reported
Title Description:	Imported 12/2011 - PERMIT1
Due Date:	Not reported
Comments:	Not reported
Unit Names:	CONTAIN1, CONTAIN2
Event Description:	New Operating Permit - APPLICATION PART B RECEIVED
Actual Date:	08/15/1994

EPA ID:	CAD981685886
Facility Type:	Historical - Non-Operating

PHILIP WEST INDUSTRIAL SERVICES (Continued) **S103642990**

Facility Name:	PHILIP WEST INDUSTRIAL SERVICES
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Status:	CLOSED
Activity Type:	New Operating Permit
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	1994-08-22 00:00:00
Type:	Not reported
Title Description:	Imported 12/2011 - PERMIT1
Due Date:	Not reported
Comments:	Not reported
Unit Names:	CONTAIN1, CONTAIN2
Event Description:	New Operating Permit - PUBLIC COMMENT (BEGIN)
Actual Date:	08/22/1994

EPA ID:	CAD981685886
Facility Type:	Historical - Non-Operating
Facility Name:	PHILIP WEST INDUSTRIAL SERVICES
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Status:	CLOSED
Activity Type:	New Operating Permit
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	1994-08-22 00:00:00
Type:	Not reported
Title Description:	Imported 12/2011 - PERMIT1
Due Date:	Not reported
Comments:	Not reported
Unit Names:	CONTAIN1, CONTAIN2
Event Description:	New Operating Permit - TECHNICAL COMPLETE LETTER
Actual Date:	08/15/1994

EPA ID:	CAD981685886
Facility Type:	Historical - Non-Operating
Facility Name:	PHILIP WEST INDUSTRIAL SERVICES
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Status:	CLOSED
Activity Type:	New Operating Permit
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	1994-08-22 00:00:00
Type:	Not reported
Title Description:	Imported 12/2011 - PERMIT1
Due Date:	Not reported
Comments:	Not reported
Unit Names:	CONTAIN1, CONTAIN2
Event Description:	New Operating Permit - PUBLIC COMMENT (END)
Actual Date:	08/22/1994

EPA ID:	CAD981685886
Facility Type:	Historical - Non-Operating

PHILIP WEST INDUSTRIAL SERVICES (Continued) **S103642990**

Facility Name:	PHILIP WEST INDUSTRIAL SERVICES
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Status:	CLOSED
Activity Type:	New Operating Permit
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	1994-08-22 00:00:00
Type:	Not reported
Title Description:	Imported 12/2011 - PERMIT1
Due Date:	Not reported
Comments:	Not reported
Unit Names:	CONTAIN1, CONTAIN2
Event Description:	New Operating Permit - INITIAL ADMINISTRATIVE REVIEW COMPLETED
Actual Date:	09/14/1994

EPA ID:	CAD981685886
Facility Type:	Historical - Non-Operating
Facility Name:	PHILIP WEST INDUSTRIAL SERVICES
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Status:	CLOSED
Activity Type:	New Operating Permit
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	1994-08-22 00:00:00
Type:	Not reported
Title Description:	Imported 12/2011 - PERMIT1
Due Date:	Not reported
Comments:	Not reported
Unit Names:	CONTAIN1, CONTAIN2
Event Description:	New Operating Permit - FINAL PERMIT (EXPIRES)
Actual Date:	08/29/1994

Alias:

EPA ID:	CAD981685886
Facility Type:	Historical - Non-Operating
Facility Name:	PHILIP WEST INDUSTRIAL SERVICES
Facility Status:	CLOSED
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Alias Type:	FRS
Alias:	110000621364

HAZNET:

Name:	PHILIP WEST INDUSTRIAL SERVICES
Address:	2222 E SEPULVEDA
Address 2:	Not reported
City,State,Zip:	CARSON, CA 908100000
Contact:	CRAIG ERICKSON
Telephone:	7077468287
Mailing Name:	Not reported

PHILIP WEST INDUSTRIAL SERVICES (Continued) **S103642990**

Mailing Address: 2222 E SEPULVEDA BLVD

Year: 2003
Gepaid: CAD981685886
TSD EPA ID: WAD991281767
CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: T03 - Treatment, Incineration
Tons: 0.0025

Year: 2003
Gepaid: CAD981685886
TSD EPA ID: CAD008364432
CA Waste Code: 551 - Laboratory waste chemicals
Disposal Method: H01 - Transfer Station
Tons: 0.245

Year: 2003
Gepaid: CAD981685886
TSD EPA ID: NVT330010000
CA Waste Code: 352 - Other organic solids
Disposal Method: D80 - Disposal, Land Fill
Tons: 0.00417

Year: 2003
Gepaid: CAD981685886
TSD EPA ID: WAD991281767
CA Waste Code: 791 - Liquids with pH <= 2
Disposal Method: T01 - Treatment, Tank
Tons: 0.0025

Year: 2002
Gepaid: CAD981685886
TSD EPA ID: CAD028409019
CA Waste Code: 221 - Waste oil and mixed oil
Disposal Method: T01 - Treatment, Tank
Tons: 0.836

Year: 2002
Gepaid: CAD981685886
TSD EPA ID: CAD028409019
CA Waste Code: 352 - Other organic solids
Disposal Method: H01 - Transfer Station
Tons: 0.45

Year: 2002
Gepaid: CAD981685886
TSD EPA ID: CAD097030993
CA Waste Code: 132 - Aqueous solution with metals (< restricted levels and (Alkaline solution (pH >= 12.5) with metals))
Disposal Method: R01 - Recycler
Tons: 15.012

Year: 2001
Gepaid: CAD981685886
TSD EPA ID: CAD981382732
CA Waste Code: 151 - Asbestos containing waste
Disposal Method: -

PHILIP WEST INDUSTRIAL SERVICES (Continued) **S103642990**

Tons: 0.8428

Year: 2001
Gepaid: CAD981685886
TSD EPA ID: CAD982444481
CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: H01 - Transfer Station
Tons: 12.642

Year: 2000
Gepaid: CAD981685886
TSD EPA ID: CAT080013352
CA Waste Code: 221 - Waste oil and mixed oil
Disposal Method: -
Tons: 0.152

Click this hyperlink while viewing on your computer to access
18 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:
Year: 2003
Gen EPA ID: CAD981685886

Shipment Date: Not reported
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 21714786
Trans EPA ID: CAD008364432
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008364432
Trans Name: Not reported
TSDF Alt EPA ID: CAD008364432
TSDF Alt Name: Not reported
Waste Code Description: 122 - Alkaline solution without metals (pH > 12.5
RCRA Code: D002
Meth Code: H01 - Transfer Station
Quantity Tons: 0.125
Waste Quantity: 250
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: Not reported
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 21714786
Trans EPA ID: CAD008364432
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008364432

PHILIP WEST INDUSTRIAL SERVICES (Continued) **S103642990**

Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008364432
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.09
Waste Quantity:	180
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20030826
Creation Date:	7/29/2004 15:04:11
Receipt Date:	20030828
Manifest ID:	21714786
Trans EPA ID:	CAD008364432
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008364432
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.01
Waste Quantity:	20
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20030826
Creation Date:	7/29/2004 15:04:11
Receipt Date:	20030828
Manifest ID:	21714786
Trans EPA ID:	CAD008364432
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008364432
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D011
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.01
Waste Quantity:	20
Quantity Unit:	P

PHILIP WEST INDUSTRIAL SERVICES (Continued) **S103642990**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030826
Creation Date:	7/29/2004 15:04:35
Receipt Date:	20030711
Manifest ID:	21714787
Trans EPA ID:	CAD008364432
Trans Name:	Not reported
Trans 2 EPA ID:	CAT000624247
Trans 2 Name:	Not reported
TSDF EPA ID:	WAD991281767
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D003
Meth Code:	T03 - Treatment, Incineration
Quantity Tons:	0.0025
Waste Quantity:	5
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030826
Creation Date:	7/29/2004 15:04:11
Receipt Date:	20030828
Manifest ID:	21714786
Trans EPA ID:	CAD008364432
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008364432
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030826
Creation Date:	7/29/2004 15:04:11
Receipt Date:	20030828

PHILIP WEST INDUSTRIAL SERVICES (Continued) **S103642990**

Manifest ID:	21714786
Trans EPA ID:	CAD008364432
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008364432
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20030826
Creation Date:	7/29/2004 15:04:35
Receipt Date:	20030711
Manifest ID:	21714787
Trans EPA ID:	CAD008364432
Trans Name:	Not reported
Trans 2 EPA ID:	CAT000624247
Trans 2 Name:	Not reported
TSDF EPA ID:	WAD991281767
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.0025
Waste Quantity:	5
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20030422
Creation Date:	7/31/2003 18:30:54
Receipt Date:	20030423
Manifest ID:	21814207
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

PHILIP WEST INDUSTRIAL SERVICES (Continued) **S103642990**

Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.00417
Waste Quantity:	1
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2002
Gen EPA ID:	CAD981685886
Shipment Date:	20021122
Creation Date:	4/1/2003 18:31:07
Receipt Date:	20021122
Manifest ID:	21814055
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	132 - Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	15.012
Waste Quantity:	3600
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20020313
Creation Date:	7/17/2002 18:32:08
Receipt Date:	20020313
Manifest ID:	21719710
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.836

PHILIP WEST INDUSTRIAL SERVICES (Continued) **S103642990**

Waste Quantity:	220
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20020308
Creation Date:	1/8/2003 18:32:09
Receipt Date:	20020425
Manifest ID:	21675664
Trans EPA ID:	CAD980584510
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.45
Waste Quantity:	900
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2001
Gen EPA ID:	CAD981685886
Shipment Date:	20010421
Creation Date:	6/27/2001 0:00:00
Receipt Date:	20010504
Manifest ID:	20464091
Trans EPA ID:	CAD982500019
Trans Name:	Not reported
Trans 2 EPA ID:	CAR000017657
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981382732
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD981382732
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.8428
Waste Quantity:	1
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

PHILIP WEST INDUSTRIAL SERVICES (Continued) **S103642990**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010223
Creation Date:	5/16/2001 0:00:00
Receipt Date:	20010223
Manifest ID:	20426864
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD982444481
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	12.642
Waste Quantity:	15
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2000
Gen EPA ID:	CAD981685886
Shipment Date:	20000605
Creation Date:	7/12/2000 0:00:00
Receipt Date:	20000609
Manifest ID:	99832369
Trans EPA ID:	CAT080016116
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.152
Waste Quantity:	40
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

PHILIP WEST INDUSTRIAL SERVICES (Continued) **S103642990**

Year:	1999
Gen EPA ID:	CAD981685886
Shipment Date:	19990122
Creation Date:	3/15/1999 0:00:00
Receipt Date:	19990122
Manifest ID:	98120351
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	5.004
Waste Quantity:	1200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1998
Gen EPA ID:	CAD981685886
Shipment Date:	19980611
Creation Date:	9/3/1998 0:00:00
Receipt Date:	19980611
Manifest ID:	96642715
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	4.56
Waste Quantity:	1200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980213
Creation Date:	4/16/1998 0:00:00

PHILIP WEST INDUSTRIAL SERVICES (Continued) **S103642990**

Receipt Date:	19980225
Manifest ID:	96866692
Trans EPA ID:	WAR000001743
Trans Name:	Not reported
Trans 2 EPA ID:	CAD063547996
Trans 2 Name:	Not reported
TSDF EPA ID:	WAD991281767
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1997
Gen EPA ID:	CAD981685886
Shipment Date:	19971205
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19971216
Manifest ID:	96867887
Trans EPA ID:	WAR000001743
Trans Name:	Not reported
Trans 2 EPA ID:	CAD063547996
Trans 2 Name:	Not reported
TSDF EPA ID:	WAD991281767
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19971117
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19971203
Manifest ID:	96867776
Trans EPA ID:	WAR000001743
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported

PHILIP WEST INDUSTRIAL SERVICES (Continued) **S103642990**

Trans 2 Name:	Not reported
TSDF EPA ID:	WAD991281767
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.84
Waste Quantity:	200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19971001
Creation Date:	3/18/1998 0:00:00
Receipt Date:	19971006
Manifest ID:	96001577
Trans EPA ID:	WAR000001743
Trans Name:	Not reported
Trans 2 EPA ID:	CAD063547996
Trans 2 Name:	Not reported
TSDF EPA ID:	WAD991281767
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.7
Waste Quantity:	1400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19970912
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19970917
Manifest ID:	96863434
Trans EPA ID:	CAD982444481
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD982444481
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.171

PHILIP WEST INDUSTRIAL SERVICES (Continued) **S103642990**

Waste Quantity:	45
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970912
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19970917
Manifest ID:	96864790
Trans EPA ID:	CAD982444481
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD982444481
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.1425
Waste Quantity:	285
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970912
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19970917
Manifest ID:	96864790
Trans EPA ID:	CAD982444481
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD982444481
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970717

PHILIP WEST INDUSTRIAL SERVICES (Continued) **S103642990**

Creation Date:	12/4/1997 0:00:00
Receipt Date:	19970805
Manifest ID:	96849111
Trans EPA ID:	WAR000001743
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	WAD991281767
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	1.25
Waste Quantity:	2500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19970617
Creation Date:	12/4/1997 0:00:00
Receipt Date:	19970625
Manifest ID:	96849020
Trans EPA ID:	WAR000001743
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	WAD991281767
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19970505
Creation Date:	7/17/1997 0:00:00
Receipt Date:	Not reported
Manifest ID:	92238371
Trans EPA ID:	CAT080014277
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVD982358483
Trans Name:	Not reported

PHILIP WEST INDUSTRIAL SERVICES (Continued) **S103642990**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970331
Creation Date:	6/26/1997 0:00:00
Receipt Date:	19970331
Manifest ID:	92238371
Trans EPA ID:	NVD982358483
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVD982358483
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1996
Gen EPA ID:	CAD981685886
Shipment Date:	19960424
Creation Date:	10/4/1996 0:00:00
Receipt Date:	19960424
Manifest ID:	96200852
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	T01 - Treatment, Tank

PHILIP WEST INDUSTRIAL SERVICES (Continued) **S103642990**

Quantity Tons:	12.6
Waste Quantity:	3000
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19960424
Creation Date:	10/29/1996 0:00:00
Receipt Date:	19960425
Manifest ID:	96200855
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	10.5
Waste Quantity:	2500
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19960423
Creation Date:	10/4/1996 0:00:00
Receipt Date:	19960423
Manifest ID:	96200848
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	21
Waste Quantity:	5000
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

PHILIP WEST INDUSTRIAL SERVICES (Continued) **S103642990**

Additional Info:

Year:	1995
Gen EPA ID:	CAD981685886
Shipment Date:	19951205
Creation Date:	7/29/1996 0:00:00
Receipt Date:	19951205
Manifest ID:	95938076
Trans EPA ID:	CAD980584510
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080011059
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	D99 - Disposal, Other
Quantity Tons:	0.225
Waste Quantity:	450
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19950810
Creation Date:	4/2/1996 0:00:00
Receipt Date:	19950821
Manifest ID:	95681819
Trans EPA ID:	CAD063547996
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	1.2
Waste Quantity:	2400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1994
Gen EPA ID:	CAD981685886

PHILIP WEST INDUSTRIAL SERVICES (Continued) **S103642990**

Shipment Date:	19940302
Creation Date:	10/5/1995 0:00:00
Receipt Date:	19940304
Manifest ID:	92794657
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0795
Waste Quantity:	159
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	PHILIP WEST INDUSTRIAL SERVICES
Address:	2222 E SEPULVEDA
Address 2:	Not reported
City,State,Zip:	CARSON, CA 90810
EPA ID:	CAD981685886
Inactive Date:	06/30/2004
Create Date:	04/10/1987
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	2222 E SEPULVEDA BLVD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	CARSON, CA 908101941
Owner Name:	PHILIP WEST INDUSTRIAL SRVC
Owner Address:	395 W CHANNEL RD
Owner Address 2:	Not reported
Owner City,State,Zip:	BENICIA, CA 945100000
Contact Name:	CRAIG ERICKSON
Contact Address:	395 W CHANNEL ROAD
Contact Address 2:	Not reported
City,State,Zip:	BENICIA, CA 945101941
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	FEDERAL
Latitude:	33.805356
Longitude:	-118.225906

NAICS:

EPA ID:	CAD981685886
Create Date:	2003-10-23 15:27:19.000
NAICS Code:	23599
NAICS Description:	All Other Special Trade Contractors
Issued EPA ID Date:	1987-04-10 00:00:00

PHILIP WEST INDUSTRIAL SERVICES (Continued) **S103642990**

Inactive Date:	2004-06-30 00:00:00
Facility Name:	PHILIP WEST INDUSTRIAL SERVICES
Facility Address:	2222 E SEPULVEDA
Facility Address 2:	Not reported
Facility City:	CARSON
Facility County:	Not reported
Facility State:	CA
Facility Zip:	908100000
EPA ID:	CAD981685886
Create Date:	2002-03-14 16:36:26.000
NAICS Code:	3339
NAICS Description:	Other General Purpose Machinery Manufacturing
Issued EPA ID Date:	1987-04-10 00:00:00
Inactive Date:	2004-06-30 00:00:00
Facility Name:	PHILIP WEST INDUSTRIAL SERVICES
Facility Address:	2222 E SEPULVEDA
Facility Address 2:	Not reported
Facility City:	CARSON
Facility County:	Not reported
Facility State:	CA
Facility Zip:	908100000

P78 **WATSON LAND CO. - BLDG 0004.1** **CPS-SLIC** **S103642989**
SSE **2222 E. SEPULVEDA BLVD** **CERS** **N/A**
1/4-1/2 **CARSON, CA 90810**
0.449 mi.
2371 ft. **Site 3 of 4 in cluster P**

Relative:
Higher

Actual:
26 ft.

CPS-SLIC:

Name:	WATSON LAND CO. - BLDG 0004.1
Address:	2222 E. SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90810
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	03/21/1997
Global Id:	SLT43278276
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	33.806202
Longitude:	-118.227262
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	0478B
File Location:	Not reported
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

CERS:

Name:	WATSON LAND CO. - BLDG 0004.1
Address:	2222 E. SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90810

WATSON LAND CO. - BLDG 0004.1 (Continued) **S103642989**

Site ID: 242560
CERS ID: SLT43278276
CERS Description: Cleanup Program Site

P79 **IMPORT DEALERS SERVICE** **LUST** **S105034950**
SSE **2222 SEPULVEDA BLVD E** **Cortese** **N/A**
1/4-1/2 **CARSON, CA 90810** **CERS**
0.452 mi.
2389 ft. **Site 4 of 4 in cluster P**

Relative:
Higher

Actual:
26 ft.

LUST:
Name: IMPORT DEALERS SERVICE
Address: 2222 SEPULVEDA BLVD E
City,State,Zip: CARSON, CA 90810
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603703199
Global Id: T0603703199
Latitude: 33.804242
Longitude: -118.22529
Status: Completed - Case Closed
Status Date: 07/19/1996
Case Worker: YR
RB Case Number: I-06353
Local Agency: LOS ANGELES COUNTY
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Kerosene
Site History: Not reported

LUST:
Global Id: T0603703199
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

Global Id: T0603703199
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603703199
Action Type: Other
Date: 09/26/1988
Action: Leak Discovery

Global Id: T0603703199
Action Type: ENFORCEMENT

IMPORT DEALERS SERVICE (Continued) **S105034950**

Date: 07/19/1996
Action: Closure/No Further Action Letter

Global Id: T0603703199
Action Type: Other
Date: 10/14/1988
Action: Leak Reported

LUST:
Global Id: T0603703199
Status: Open - Case Begin Date
Status Date: 09/26/1988

Global Id: T0603703199
Status: Open - Remediation
Status Date: 10/14/1988

Global Id: T0603703199
Status: Open - Site Assessment
Status Date: 01/27/1993

Global Id: T0603703199
Status: Completed - Case Closed
Status Date: 07/19/1996

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: I-06353
Status: Case Closed
Substance: Kerosene
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603703199
W Global ID: Not reported
Staff: UNK
Local Agency: 19000
Cross Street: ALAMEDA
Enforcement Type: Not reported
Date Leak Discovered: 9/26/1988
Date Leak First Reported: 10/14/1988
Date Leak Record Entered: 10/20/1989
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 8/16/1996
Date the Case was Closed: 7/19/1996
How Leak Discovered: Tank Test
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: Not reported
Water System: Not reported

IMPORT DEALERS SERVICE (Continued) **S105034950**

Well Name:	Not reported	
Approx. Dist To Production Well (ft):		7464.065511591544293119196938 1
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		1/27/1993
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		10/14/1988
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	WATSON LAND CO	
RP Address:	22010 S WILMINGTON AVE, CARSON CA 90745-4307	
Program:	LUST	
Lat/Long:	33.8063346 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	Not reported	

CORTESE:

Name:	IMPORT DEALERS SERVICE
Address:	2222 SEPULVEDA BLVD E
City,State,Zip:	CARSON, CA 90810
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0603703199
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

IMPORT DEALERS SERVICE (Continued) **S105034950**

CERS:
- Name: IMPORT DEALERS SERVICE
- Address: 2222 SEPULVEDA BLVD E
- City,State,Zip: CARSON, CA 90810
- Site ID: 238506
- CERS ID: T0603703199
- CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
- Affiliation Type Desc: Local Agency Caseworker
- Entity Name: JOHN AWUJO - LOS ANGELES COUNTY
- Entity Title: Not reported
- Affiliation Address: 900 S FREMONT AVE
- Affiliation City: ALHAMBRA
- Affiliation State: CA
- Affiliation Country: Not reported
- Affiliation Zip: Not reported
- Affiliation Phone: 6264583507,

- Affiliation Type Desc: Regional Board Caseworker
- Entity Name: YUE RONG - LOS ANGELES RWQCB (REGION 4)
- Entity Title: Not reported
- Affiliation Address: 320 W. 4TH ST., SUITE 200
- Affiliation City: Los Angeles
- Affiliation State: CA
- Affiliation Country: Not reported
- Affiliation Zip: Not reported
- Affiliation Phone: ,

O80 **VENTURA TRANSFER COMPANY** **LUST** **S107863292**
NNW **2418 223RD ST. E.** **Cortese** **N/A**
1/4-1/2 **LONG BEACH, CA 90810**
0.457 mi.
2413 ft. **Site 5 of 5 in cluster O**

Relative:
Higher

Actual:
27 ft.

LUST:
- Name: VENTURA TRANSFER COMPANY
- Address: 2418 223RD ST. E.
- City,State,Zip: LONG BEACH, CA 90810
- Lead Agency: LOS ANGELES RWQCB (REGION 4)
- Case Type: LUST Cleanup Site
- Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603721950
- Global Id: T0603721950
- Latitude: 33.824431
- Longitude: -118.230701
- Status: Completed - Case Closed
- Status Date: 03/16/2010
- Case Worker: JW
- RB Case Number: R-01588
- Local Agency: LOS ANGELES COUNTY
- File Location: Regional Board
- Local Case Number: L#477372
- Potential Media Affect: Aquifer used for drinking water supply
- Potential Contaminants of Concern: Diesel
- Site History: Not reported

LUST:

VENTURA TRANSFER COMPANY (Continued) **S107863292**

Global Id: T0603721950
Contact Type: Local Agency Caseworker
Contact Name: IHEANACHO OFO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: iofo@dpw.lacounty.gov
Phone Number: 6264583512

Global Id: T0603721950
Contact Type: Regional Board Caseworker
Contact Name: JIMMIE WOO
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 WEST 4TH STREET, SUITE 200
City: LOS ANGELES
Email: jwoo@waterboards.ca.gov
Phone Number: 2135766600

LUST:
Global Id: T0603721950
Action Type: ENFORCEMENT
Date: 01/27/2009
Action: Staff Letter

Global Id: T0603721950
Action Type: RESPONSE
Date: 11/14/2008
Action: Soil and Water Investigation Workplan

Global Id: T0603721950
Action Type: ENFORCEMENT
Date: 09/16/2008
Action: Staff Letter

Global Id: T0603721950
Action Type: ENFORCEMENT
Date: 02/26/2010
Action: Notification - Preclosure

Global Id: T0603721950
Action Type: ENFORCEMENT
Date: 03/16/2010
Action: Closure/No Further Action Letter

Global Id: T0603721950
Action Type: Other
Date: 04/24/2003
Action: Leak Reported

Global Id: T0603721950
Action Type: RESPONSE
Date: 01/15/2010
Action: Interim Remedial Action Plan

Global Id: T0603721950
Action Type: RESPONSE
Date: 07/15/2009

VENTURA TRANSFER COMPANY (Continued) **S107863292**

Action: Monitoring Report - Semi-Annually

Global Id: T0603721950
Action Type: RESPONSE
Date: 03/28/2008
Action: Other Report / Document

Global Id: T0603721950
Action Type: REMEDIATION
Date: 07/03/2006
Action: Not reported

Global Id: T0603721950
Action Type: ENFORCEMENT
Date: 02/27/2008
Action: Staff Letter

Global Id: T0603721950
Action Type: ENFORCEMENT
Date: 10/23/2009
Action: Staff Letter

Global Id: T0603721950
Action Type: RESPONSE
Date: 04/15/2009
Action: Soil and Water Investigation Report

Global Id: T0603721950
Action Type: RESPONSE
Date: 04/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0603721950
Action Type: RESPONSE
Date: 10/15/2009
Action: Other Report / Document

Global Id: T0603721950
Action Type: Other
Date: 11/24/1998
Action: Leak Discovery

LUST:
Global Id: T0603721950
Status: Open - Case Begin Date
Status Date: 11/24/1998

Global Id: T0603721950
Status: Open - Site Assessment
Status Date: 03/13/2006

Global Id: T0603721950
Status: Open - Site Assessment
Status Date: 01/26/2009

Global Id: T0603721950
Status: Completed - Case Closed

VENTURA TRANSFER COMPANY (Continued) **S107863292**

Status Date: 03/16/2010

CORTESE:

Name:	VENTURA TRANSFER COMPANY
Address:	2418 223RD ST. E.
City,State,Zip:	LONG BEACH, CA 90810
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0603721950
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

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81 **SHELL #204-4482-6307** **LUST** **S102437013**
NE **1700 WARDLOW RD W** **Cortese** **N/A**
1/4-1/2 **LONG BEACH, CA 90810** **HIST CORTESE**
0.462 mi. **CERS**
2437 ft.

Relative: Higher

Actual: 31 ft.

LUST:

Name:	SHELL #204-4482-6307
Address:	1700 WARDLOW RD W
City,State,Zip:	LONG BEACH, CA 90810
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603700084
Global Id:	T0603700084
Latitude:	33.824045
Longitude:	-118.215852
Status:	Completed - Case Closed
Status Date:	09/06/1996
Case Worker:	YR
RB Case Number:	053095-19
Local Agency:	Not reported
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id: T0603700084

SHELL #204-4482-6307 (Continued) **S102437013**

Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603700084
Action Type: Other
Date: 06/10/1994
Action: Leak Discovery

Global Id: T0603700084
Action Type: Other
Date: 04/30/1995
Action: Leak Reported

Global Id: T0603700084
Action Type: ENFORCEMENT
Date: 09/06/1996
Action: Closure/No Further Action Letter

LUST:
Global Id: T0603700084
Status: Open - Case Begin Date
Status Date: 06/10/1994

Global Id: T0603700084
Status: Open - Site Assessment
Status Date: 04/30/1995

Global Id: T0603700084
Status: Completed - Case Closed
Status Date: 09/06/1996

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 053095-19
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Excavate and Dispose
Global ID: T0603700084
W Global ID: Not reported
Staff: UNK
Local Agency: 19060
Cross Street: SANTA FE AVE
Enforcement Type: Not reported
Date Leak Discovered: 6/10/1994

SHELL #204-4482-6307 (Continued) **S102437013**

Date Leak First Reported:		4/30/1995
Date Leak Record Entered:	5/30/1995	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		9/14/1999
Date the Case was Closed:		9/6/1996
How Leak Discovered:	Subsurface Monitoring	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	Tank	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		2880.790079681742317222141047 3
Source of Cleanup Funding:		Tank
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		4/30/1995
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	SHELL OIL PRODUCTS CO	
RP Address:	P.O. BOX 25370, SANTA ANA CA 92799	
Program:	LUST	
Lat/Long:	33.8241841 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	10/16/96 TRANSMITTAL OF FINAL G/W MONITORING DATA; 9/14/99 TRANSMITTAL OF LABORATORY RESULTS	

CORTESE:

Name:	SHELL #204-4482-6307
Address:	1700 WARDLOW RD W
City,State,Zip:	LONG BEACH, CA 90810
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0603700084
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported

SHELL #204-4482-6307 (Continued) **S102437013**

Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

HIST CORTESE:

edr_fname:	SHELL #204-4482-6307
edr_fadd1:	1700 WARDLOW
City,State,Zip:	LONG BEACH, CA 90810
Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	053095-19

CERS:

Name:	SHELL #204-4482-6307
Address:	1700 WARDLOW RD W
City,State,Zip:	LONG BEACH, CA 90810
Site ID:	206831
CERS ID:	T0603700084
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	320 W. 4TH ST., SUITE 200
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Q82 **TEXACO - LONG BEACH OIL FIELD** **CPS-SLIC** **S106485420**
East **1600 E. SPRING ST** **CERS** **N/A**
1/4-1/2 **LONG BEACH, CA 90807**
0.465 mi.
2455 ft. **Site 1 of 2 in cluster Q**

Relative:
Higher

Actual:
24 ft.

CPS-SLIC:

Name:	TEXACO - LONG BEACH OIL FIELD
Address:	1600 E. SPRING ST
City,State,Zip:	LONG BEACH, CA 90807
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	04/03/1999
Global Id:	SLT430119
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported

TEXACO - LONG BEACH OIL FIELD (Continued) **S106485420**

Latitude:	33.8038112212478
Longitude:	-118.164083698727
Case Type:	Cleanup Program Site
Case Worker:	RC
Local Agency:	Not reported
RB Case Number:	0012
File Location:	Not reported
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

CERS:

Name:	TEXACO - LONG BEACH OIL FIELD
Address:	1600 E. SPRING ST
City,State,Zip:	LONG BEACH, CA 90807
Site ID:	257717
CERS ID:	SLT430119
CERS Description:	Cleanup Program Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	REBECCA CHOU - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	320 W 4TH ST., SUITE 200
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Q83
East
1/4-1/2
0.466 mi.
2462 ft.

TEXACO - LONG BEACH OIL FIELD **CPS-SLIC** **S104404975**
1600 SPRING **N/A**
LONG BEACH, CA 90807

Site 2 of 2 in cluster Q

Relative: Higher
Actual: 24 ft.

SLIC REG 4:

Region:	4
Facility Status:	No further action required
SLIC:	0012
Substance:	TPH
Staff:	Rebecca Chou

84
NNW
1/4-1/2
0.477 mi.
2516 ft.

MANVILLE PLANT SITE **WMUDS/SWAT** **S104156409**
2400 E. 223RD STREET **N/A**
CARSON ,CA, CA 90810

Relative: Higher
Actual: 26 ft.

WMUDS/SWAT:

Edit Date:	Not reported
Complexity:	Category B - Any facility having a physical, chemical, or biological waste treatment system (except for septic systems with subsurface

MANVILLE PLANT SITE (Continued) **S104156409**

	disposal), or any Class II or III disposal site, or facilities without treatment systems that are complex, such as marinas with petroleum products, solid wastes, and sewage pump out facilities.
Primary Waste:	SLDWST
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Base Meridian:	Not reported
NPID:	Not reported
Tonnage:	0
Regional Board ID:	Not reported
Municipal Solid Waste:	False
Superorder:	False
Open To Public:	False
Waste List:	False
Agency Type:	Private
Agency Name:	01 MANVILLE SALES CORP.
Agency Department:	Not reported
Agency Address:	P.O.BOX 5108
Agency City,St,Zip:	DENVER ,CO 80217
Agency Contact:	HUMAN RESOURCES
Agency Telephone:	3039782330
Land Owner Name:	Not reported
Land Owner Address:	Not reported
Land Owner City,St,Zip:	Not reported
Land Owner Contact:	Not reported
Land Owner Phone:	Not reported
Region:	4
Facility Type:	Solid Waste Site-Class III - Landfills for non hazardous solid wastes.
Facility Description:	Not reported
Facility Telephone:	2135495330
SWAT Facility Name:	Not reported
Primary SIC:	4953
Secondary SIC:	Not reported
Comments:	Not reported
Last Facility Editors:	Not reported
Waste Discharge System:	True
Solid Waste Assessment Test Program:	True
Toxic Pits Cleanup Act Program:	False
Resource Conservation Recovery Act:	False
Department of Defence:	False
Solid Waste Assessment Test Program:	Not reported
Threat to Water Quality:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Sub Chapter 15:	True
Regional Board Project Officer:	RHN
Number of WMUDS at Facility:	1
Section Range:	Not reported
RCRA Facility:	No
Waste Discharge Requirements:	H

MANVILLE PLANT SITE (Continued) **S104156409**

Self-Monitoring Rept. Frequency: Quarterly Submittal
Waste Discharge System ID: 4B192061002
Solid Waste Information ID: Not reported

R85 **CARSON TERMINAL EXPANSION PROJECT PHASE IV** **Toxic Pits** **S100925072**
SSW **2000 EAST SEPULVEDA BLVD** **CHMIRS** **N/A**
1/2-1 **CARSON, CA 90810** **ENF**
0.545 mi. **NPDES**
2875 ft. **Site 1 of 2 in cluster R** **CIWQS**

Relative: Higher

Actual: 26 ft.

TOXIC PITS:
Region: 04
Task #: 84021
Owner: GATX TANK STORAGE TERMINALS
1/2 Mi Limit: Y
Num. of Pits: 3
Cease Discharge Due: 06/01/90
Cease Discharge Complete: / /
Closure Due: 06/30/91
Closure Completed: 08/01/91
Status: CLOSED
Hydro Geological Assessment Report Due: / /
Final Hydro Geological Assessment Review Completed: / /

CHMIRS:
Name: Not reported
Address: 2000 EAST SEPULVEDA
City,State,Zip: CARSON, CA 90810
OES Incident Number: 7-2147
OES notification: 04/05/2007
OES Date: Not reported
OES Time: Not reported
Date Completed: Not reported
Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported
Time Completed: Not reported
Surrounding Area: Not reported
Estimated Temperature: Not reported
Property Management: Not reported
More Than Two Substances Involved?: Not reported
Resp Agncy Personel # Of Decontaminated: Not reported
Responding Agency Personel # Of Injuries: Not reported
Responding Agency Personel # Of Fatalities: Not reported
Others Number Of Decontaminated: Not reported
Others Number Of Injuries: Not reported
Others Number Of Fatalities: Not reported
Vehicle Make/year: Not reported
Vehicle License Number: Not reported
Vehicle State: Not reported
Vehicle Id Number: Not reported
CA DOT PUC/ICC Number: Not reported
Company Name: Not reported
Reporting Officer Name/ID: Not reported
Report Date: Not reported
Facility Telephone: Not reported

CARSON TERMINAL EXPANSION PROJECT PHASE IV (Continued) **S100925072**

Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2007
Agency:	Kinder-Morgan
Incident Date:	4/5/2007 12:00:00 AM
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	Water / Gasoline Mix
Gallons:	UNK
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	5’ x 5’ stain on the ground caused by pinhole in a 2" drain line.

Name:	Not reported
Address:	2000 EAST SEPULVEDA
City,State,Zip:	CARSON, CA 90810
OES Incident Number:	5-4134
OES notification:	07/13/2005
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported

CARSON TERMINAL EXPANSION PROJECT PHASE IV (Continued) **S100925072**

Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2005
Agency:	Kinder Morgan
Incident Date:	7/13/200512:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Refinery
E Date:	Not reported
Substance:	gasoline
BBLS:	1
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Released due to a blown gasket on a line.
Name:	Not reported
Address:	2000 EAST SEPULVEDA BLVD
City,State,Zip:	CARSON, CA
OES Incident Number:	7-0987

CARSON TERMINAL EXPANSION PROJECT PHASE IV (Continued) **S100925072**

OES notification:	02/14/2007
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2007
Agency:	Kinder Morgan
Incident Date:	2/14/2007 12:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Road
E Date:	Not reported
Substance:	Diesel
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported

CARSON TERMINAL EXPANSION PROJECT PHASE IV (Continued) **S100925072**

#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	A 3' X 1' area. A water draw was filling a pump. Product started burping from the pot onto the gorund.
Name:	Not reported
Address:	2000 EAST SEPULVEDA
City,State,Zip:	CARSON, CA 90810
OES Incident Number:	72
OES notification:	Not reported
OES Date:	1/16/1994
OES Time:	09:39:07 PM
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	YES
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	GATX
Containment:	Not reported
What Happened:	Not reported
Type:	PETROLEUM
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1994
Agency:	GATX
Incident Date:	1/16/94 1900
Admin Agency:	Not reported

CARSON TERMINAL EXPANSION PROJECT PHASE IV (Continued) **S100925072**

Amount:	15 BBLS
Contained:	NO
Site Type:	OTHER
E Date:	Not reported
Substance:	crude
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	NO
Number of Injuries:	NO
Number of Fatalities:	NO
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	LINE OVERPRESSURIZED RELIEF VALVE OVER FILLED SUMP IN FUEL STORAGE AREA.
Name:	Not reported
Address:	2000 EAST SEPULVEDA BLVD
City,State,Zip:	CARSON, CA
OES Incident Number:	08-7805
OES notification:	10/29/2008
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No

CARSON TERMINAL EXPANSION PROJECT PHASE IV (Continued) **S100925072**

Waterway:	Not reported
Spill Site:	Other
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Unknown
Other:	Not reported
Date/Time:	1640
Year:	2008
Agency:	NRC
Incident Date:	10/29/2008
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Crude Oil
Quantity Released:	Unknown
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Per the NRC Report, the caller is reporting a deischarge of crude oil mixed with water onto the ground from a hose on a vacuum truck due to the hose leaking. The NRC report indicates that the spill has been cleaned up.

Name:	Not reported
Address:	2000 EAST SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90810
OES Incident Number:	08-1479
OES notification:	02/21/2008
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported

CARSON TERMINAL EXPANSION PROJECT PHASE IV (Continued) **S100925072**

More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Other
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Unknown
Other:	Not reported
Date/Time:	1015
Year:	2008
Agency:	Kinder Morgan
Incident Date:	2/21/2008
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	diesel
Quantity Released:	2 ft stain
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	RP States: A valve body gasket failure caused a release to the ground, causing a 2 foot circle stain. The site is a bulk storage terminal.
Name:	Not reported

CARSON TERMINAL EXPANSION PROJECT PHASE IV (Continued) **S100925072**

Address:	2000 EAST SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90810
OES Incident Number:	5-5674
OES notification:	09/29/2005
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2005
Agency:	Kinder Morgan
Incident Date:	9/29/200512:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Refinery
E Date:	Not reported
Substance:	Jet Fuel
Gallons:	2
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0

CARSON TERMINAL EXPANSION PROJECT PHASE IV (Continued) **S100925072**

#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Caller advised possibly a vacuum truck spilled jet fuel.
Name:	Not reported
Address:	2000 EAST SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90810
OES Incident Number:	08-5895
OES notification:	08/13/2008
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Other
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1620
Year:	2008
Agency:	Kinder Morgan Carson

CARSON TERMINAL EXPANSION PROJECT PHASE IV (Continued) **S100925072**

Incident Date:	8/13/2008
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Slop Crude/Oil
Quantity Released:	2
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	A bleeder was cracked open on a pump causing this release. The release was contained in a containment area - it caused a 2' x 3' spot on the ground.

Name:	Not reported
Address:	2000 EAST SEPULVEDA
City,State,Zip:	CARSON, CA
OES Incident Number:	7-0838
OES notification:	02/07/2007
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported

CARSON TERMINAL EXPANSION PROJECT PHASE IV (Continued) **S100925072**

Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2007
Agency:	Kinder Morgan
Incident Date:	2/7/2007 12:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Road
E Date:	Not reported
Substance:	Crude Oil
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Unknown source. Area involved is 10 ft X 10 ft stain.

Name:	Not reported
Address:	2000 EAST SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90810
OES Incident Number:	4-0145
OES notification:	01/09/2014
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported

CARSON TERMINAL EXPANSION PROJECT PHASE IV (Continued) **S100925072**

Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Other
Cleanup By:	No
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	PETROLEUM
Measure:	Gal(s)
Other:	Not reported
Date/Time:	725
Year:	2014
Agency:	Kinder Morgan
Incident Date:	1/9/2014
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Crude Oil
Quantity Released:	100
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	Unknown
Fatals:	No
Comments:	Not reported

CARSON TERMINAL EXPANSION PROJECT PHASE IV (Continued) **S100925072**

Description:	RP states that a storage tank was discovered to be leaking due to unknown reasons resulting in the release of less than 100 gallons of crude oil onto the ground. The release is not contained and is still leaking at a trickling rate. Caller states that absorbent pads have been applied to absorb the release. No waterways have been impacted.
Name:	Not reported
Address:	2000 EAST SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90810
OES Incident Number:	7-1792
OES notification:	03/20/2007
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2007
Agency:	Kinder Morgan, Carson
Incident Date:	3/20/2007 12:00:00 AM
Admin Agency:	Not reported
Amount:	Not reported
Contained:	No

CARSON TERMINAL EXPANSION PROJECT PHASE IV (Continued) **S100925072**

Site Type:	Refinery
E Date:	Not reported
Substance:	Crude Oil
Gallons:	Unknown
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	While doing a daily normally scheduled walk-around some operators at the facility noticed the spill. The spill has occured in a dirted area on the facility. Spill is 15' x 30'.
Name:	Not reported
Address:	2000 EAST SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90810
OES Incident Number:	08-7320
OES notification:	10/09/2008
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported

CARSON TERMINAL EXPANSION PROJECT PHASE IV (Continued) **S100925072**

Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Merchant/Business
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Unknown
Other:	Not reported
Date/Time:	1505
Year:	2008
Agency:	Kinder Morgan
Incident Date:	10/9/2008
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Diesel
Quantity Released:	8ft circle
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	A dome mount failure caused the release.
Name:	Not reported
Address:	2000 EAST SEPULVEDA
City,State,Zip:	CARSON, CA 90810
OES Incident Number:	6-5451
OES notification:	09/13/2006
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported

CARSON TERMINAL EXPANSION PROJECT PHASE IV (Continued) **S100925072**

Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2006
Agency:	Kinder Morgan
Incident Date:	9/13/2006 12:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	crude oil
Gallons:	5
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	They discovered a spot, 2-ft by 3-ft, due to a drain backing up.
Name:	Not reported
Address:	2000 EAST SEPULVEDA
City,State,Zip:	CARSON, CA 90810
OES Incident Number:	08-2979
OES notification:	04/22/2008

CARSON TERMINAL EXPANSION PROJECT PHASE IV (Continued) **S100925072**

OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Industrial Plant
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1600
Year:	2008
Agency:	Kinder Morgan
Incident Date:	4/22/2008
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Gasoline
Quantity Released:	10’ x 3’ s
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported

CARSON TERMINAL EXPANSION PROJECT PHASE IV (Continued) **S100925072**

#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	A vacuum breaker malfunctioned causing this release to the ground.
Name:	Not reported
Address:	2000 EAST SEPULVEDA
City,State,Zip:	CARSON, CA 90810
OES Incident Number:	08-7302
OES notification:	10/08/2008
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Pipe Line
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	N/A
Other:	Not reported
Date/Time:	2100
Year:	2008
Agency:	Kinder Morgan
Incident Date:	10/8/2008
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes

CARSON TERMINAL EXPANSION PROJECT PHASE IV (Continued) **S100925072**

Site Type:	Not reported
E Date:	Not reported
Substance:	Contaminated Water, Possible Petroleum product.
Quantity Released:	Unk
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	RP states that during a pressure test of a line, there was a discharge of water with possible contamination from prior petroleum product used. The size of the release was 20' long and about 1' wide.

Name:	Not reported
Address:	2000 EAST SEPULVEDA BLVD
City,State,Zip:	CARSON, CA
OES Incident Number:	7-0958
OES notification:	03/07/1997
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported

CARSON TERMINAL EXPANSION PROJECT PHASE IV (Continued) **S100925072**

Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1997
Agency:	GATX Terminals Corp.
Incident Date:	3/6/199712:00:00 AM
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Yes
Site Type:	Industrial Plant
E Date:	Not reported
Substance:	gasoline/water
BBLS:	10
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	An above ground storage tank was being dewatered and a valve was left open. The valve has now been closed. the location is an above ground storage tank farm. Contamination was to soil only. Removal of the soil will begin next week.

Name:	Not reported
Address:	2000 EAST SEPULVEDA BLVD.
City,State,Zip:	CARSON, CA 90810
OES Incident Number:	6-5046
OES notification:	08/23/2006
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported

CARSON TERMINAL EXPANSION PROJECT PHASE IV (Continued) **S100925072**

Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Ancon Marine Inc
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2006
Agency:	Kinder Morgan
Incident Date:	8/23/2006 12:00:00 AM
Admin Agency:	ERROR: Server error: Entry not found in index
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	JET FUEL
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Drain valve leaking from a tank. Seeped onto the ground creating a 3 ft. x 3 ft. area.

CARSON TERMINAL EXPANSION PROJECT PHASE IV (Continued) **S100925072**

Name:	Not reported
Address:	2000 EAST SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90810-1995
OES Incident Number:	9-4330
OES notification:	10/11/1999
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	storm drain
Spill Site:	Not reported
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1999
Agency:	GATX Terminals Corp
Incident Date:	10/11/199912:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Unknown
Site Type:	Oil Field
E Date:	Not reported
Substance:	Crude Oil
BBLS:	25
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0

CARSON TERMINAL EXPANSION PROJECT PHASE IV (Continued) **S100925072**

Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Pipeline release was on the western border of bulk storage and transfer facility and then flowed onto Alameda St then into 2 storm drains. Leads into the Dominguez Channel.
Name:	Not reported
Address:	2000 EAST SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90810
OES Incident Number:	5-6630
OES notification:	11/16/2005
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported

CARSON TERMINAL EXPANSION PROJECT PHASE IV (Continued) **S100925072**

Date/Time:	Not reported
Year:	2005
Agency:	Kinder Morgan
Incident Date:	11/16/200512:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	Crude Oil
Gallons:	1
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Substance was released during a drain-up of an internal line. Substance splashed out of the drain pan. Substance released covered an area 2Ft X 2Ft. Substance has been cleaned up.
Name:	Not reported
Address:	2000 EAST SEPULVEDA BLVD
City,State,Zip:	CARSON, CA
OES Incident Number:	7-3763
OES notification:	06/22/2007
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported

CARSON TERMINAL EXPANSION PROJECT PHASE IV (Continued) **S100925072**

Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2007
Agency:	Kinder Morgan
Incident Date:	6/22/2007 12:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	Crude oil
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	06/22/07 at 0852 hrs, leak on a mixer for a tank. Wetted an area of 3 feet by 2 feet.

Name:	Not reported
Address:	2000 EAST SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 92868
OES Incident Number:	5-5072
OES notification:	08/30/2005
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported

CARSON TERMINAL EXPANSION PROJECT PHASE IV (Continued) **S100925072**

Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2005
Agency:	Kinder Morgan
Incident Date:	8/30/200512:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	Threatened release
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported

CARSON TERMINAL EXPANSION PROJECT PHASE IV (Continued) **S100925072**

Description:	Per caller an above ground tank was taken out of service and upon inspection a rivet at the bottom of the tank was found to have topside corrosion, The head was missing.
Name:	Not reported
Address:	2000 EAST SEPULVEDA
City,State,Zip:	CARSON, CA 90810
OES Incident Number:	08-5415
OES notification:	07/24/2008
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Other
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Unknown
Other:	Not reported
Date/Time:	2025
Year:	2008
Agency:	Kinder Morgan
Incident Date:	7/24/2008
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Gear Oil
Quantity Released:	Unknown

CARSON TERMINAL EXPANSION PROJECT PHASE IV (Continued) **S100925072**

Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Caller states a stain of gear oil is on the ground. Caller states the stain is 2 inches X 3 inches. Caller states substance released due to a faulty seal on the gearbox.

Name:	Not reported
Address:	2000 EAST SEPULVEDA
City,State,Zip:	CARSON, CA 90806
OES Incident Number:	08-5411
OES notification:	07/24/2008
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Other
Cleanup By:	Contractor

CARSON TERMINAL EXPANSION PROJECT PHASE IV (Continued) **S100925072**

Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Unknown
Other:	Not reported
Date/Time:	1740
Year:	2008
Agency:	Kinder Morgan
Incident Date:	7/24/2008
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Crude Oil
Quantity Released:	Unknown
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Caller states there is a 1.5 Ft X 1.5 Ft oil stain on the gravel.
Name:	Not reported
Address:	2000 EAST SEPULVEDA
City,State,Zip:	CARSON, CA 90810
OES Incident Number:	7-0025
OES notification:	01/02/2007
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported

CARSON TERMINAL EXPANSION PROJECT PHASE IV (Continued) **S100925072**

Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2007
Agency:	Kinder Morgan
Incident Date:	1/2/2007 12:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Industrial Plant
E Date:	Not reported
Substance:	Stain
Gallons:	0.000000
Unknown:	2
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Found a 2 foot stain under a pipeline poosible cause by equipment failure

Name:	Not reported
Address:	2000 EAST SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90810
OES Incident Number:	980
OES notification:	Not reported
OES Date:	11/1/1994
OES Time:	09:13:35 AM
Date Completed:	**Not reported**

CARSON TERMINAL EXPANSION PROJECT PHASE IV (Continued) **S100925072**

Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	YES
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	gatx
Containment:	Not reported
What Happened:	Not reported
Type:	PETROLEUM
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1994
Agency:	gatx
Incident Date:	1800/31oct94
Admin Agency:	Not reported
Amount:	max of 10 bbls
Contained:	NO
Site Type:	OTHER
E Date:	Not reported
Substance:	diesel fuel
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	NO
Number of Injuries:	NO
Number of Fatalities:	NO
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported

CARSON TERMINAL EXPANSION PROJECT PHASE IV (Continued) **S100925072**

Fatals:	Not reported
Comments:	Not reported
Description:	tranfer line gasket failed -spill went to containment area
Name:	Not reported
Address:	2000 EAST SEPULVEDA
City,State,Zip:	CARSON, CA 90010
OES Incident Number:	13-0766
OES notification:	02/05/2013
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Other
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	N/A
Other:	Not reported
Date/Time:	1250
Year:	2013
Agency:	Kinder Morgan
Incident Date:	2/5/2013
Admin Agency:	LACoFD Health Haz-Mat
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Water and Glycol Mixture
Quantity Released:	3 feet x 4 feet

CARSON TERMINAL EXPANSION PROJECT PHASE IV (Continued) **S100925072**

Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Caller states: A seal on a pump went out causing the release.
Name:	Not reported
Address:	2000 EAST SEPULVEDA
City,State,Zip:	CARSON, CA
OES Incident Number:	70
OES notification:	Not reported
OES Date:	2/5/1994
OES Time:	01:22:10 PM
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	YES
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	gatex to clean up
Containment:	Not reported
What Happened:	Not reported

CARSON TERMINAL EXPANSION PROJECT PHASE IV (Continued) **S100925072**

Type:	PETROLEUM
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1994
Agency:	gatex
Incident Date:	0750 5 feb 94
Admin Agency:	Not reported
Amount:	175 bbl
Contained:	NO
Site Type:	OTHER
E Date:	Not reported
Substance:	crude
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	NO
Number of Injuries:	NO
Number of Fatalities:	NO
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	pipe line leak in terminal area, all material in secondary containment.

Name:	Not reported
Address:	2000 EAST SEPULVEDA BLVD.
City,State,Zip:	CARSON, CA 90810
OES Incident Number:	13-1839
OES notification:	03/26/2013
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported

CARSON TERMINAL EXPANSION PROJECT PHASE IV (Continued) **S100925072**

Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Other
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1538
Year:	2013
Agency:	Kinder Morgan
Incident Date:	3/26/2013
Admin Agency:	LACoFD Health Haz-Mat
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Gasoline
Quantity Released:	1,100
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Caller states: A gasoline truck was being loaded with 1,100 gallons of gasoline; however there was a quarter sized hole in the tank which is causing the gasoline to release to the ground. The release is to engineered containment. The release is being watered down to be collected into a storage tank.
Name:	Not reported
Address:	2000 EAST SEPULVEDA
City,State,Zip:	CARSON, CA
OES Incident Number:	5-6308
OES notification:	11/01/2005
OES Date:	Not reported

CARSON TERMINAL EXPANSION PROJECT PHASE IV (Continued) **S100925072**

OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2005
Agency:	Kinder Morgan
Incident Date:	11/1/200512:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Refinery
E Date:	Not reported
Substance:	Trans Mix (Diesel & Mix)
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported

CARSON TERMINAL EXPANSION PROJECT PHASE IV (Continued) **S100925072**

#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Unknown amout covering a 15 by 20 ft. area. A vacuum truck backed into a pipe fitting and broke off the 1/2 inch pipe fitting.
Name:	Not reported
Address:	2000 EAST SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90810
OES Incident Number:	08-2295
OES notification:	03/24/2008
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Merchant/Business
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	N/A
Other:	Not reported
Date/Time:	1525
Year:	2008
Agency:	Kinder Morgan
Incident Date:	3/24/2008
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes

CARSON TERMINAL EXPANSION PROJECT PHASE IV (Continued) **S100925072**

Site Type:	Not reported
E Date:	Not reported
Substance:	Gasoline
Quantity Released:	1ft x 2 ft
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Water draw "pod" overflowed causing a small release onto the ground that resulted in a 1 ft by 2 ft area of soil becoming stained with gasoline.

Name:	Not reported
Address:	2000 EAST SEPULVEDA BLVD
City,State,Zip:	CARSON, CA
OES Incident Number:	08-1297
OES notification:	02/13/2008
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported

CARSON TERMINAL EXPANSION PROJECT PHASE IV (Continued) **S100925072**

Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Pipe Line
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Bbl.(s)
Other:	Not reported
Date/Time:	1040
Year:	2008
Agency:	Exon Mobil Pipeline
Incident Date:	2/13/2008
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	crude oil
Quantity Released:	1
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	02/13/08 at 1040 hours, they displacing a line and it opened releasing crude oil.
Name:	Not reported
Address:	2000 EAST SEPULVEDA BLVD.
City,State,Zip:	CARSON, CA 90810
OES Incident Number:	7-4244
OES notification:	10/23/1997
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported

CARSON TERMINAL EXPANSION PROJECT PHASE IV (Continued) **S100925072**

Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1997
Agency:	GATX Tank Storage Terminals Corp.
Incident Date:	10/17/199712:00:00 AM
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Yes
Site Type:	Industrial Plant
E Date:	Not reported
Substance:	crude oil
Gallons:	55
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Sump overflowed. Investigation in process
Name:	Not reported
Address:	2000 EAST SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 92868
OES Incident Number:	7-1919
OES notification:	03/26/2007

CARSON TERMINAL EXPANSION PROJECT PHASE IV (Continued) **S100925072**

OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2007
Agency:	Kinder Morgan
Incident Date:	3/26/2007 12:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	Gasoline
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported

CARSON TERMINAL EXPANSION PROJECT PHASE IV (Continued) **S100925072**

#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	03/26/07 at 1508 hours, Kinder Morgan personnel noticed a 3 foot by 3 foot stain of gasoline under a valve.
Name:	Not reported
Address:	2000 EAST SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90810
OES Incident Number:	7-1057
OES notification:	02/16/2007
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2007
Agency:	Kinder Morgan, Carson Storage Facility
Incident Date:	2/16/2007 12:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported

CARSON TERMINAL EXPANSION PROJECT PHASE IV (Continued) **S100925072**

Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	Crude Oil
Gallons:	0.000000
Quarts:	1
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Baker containment bin leaked crude oil onto the ground.
Name:	Not reported
Address:	2000 EAST SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 92868
OES Incident Number:	7-2966
OES notification:	05/15/2007
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported

CARSON TERMINAL EXPANSION PROJECT PHASE IV (Continued) **S100925072**

Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2007
Agency:	Kinder Morgan
Incident Date:	5/15/2007 12:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Industrial Plant
E Date:	Not reported
Substance:	Jet Fuel
Gallons:	1
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	05/15/07 at 2018 hours, water draw box left filled and expansion due to sun cause it to overflow into a bermed area..

Name:	Not reported
Address:	2000 EAST SEPULVEDA BLVD.
City,State,Zip:	CARSON, CA 90810
OES Incident Number:	08-2243
OES notification:	03/22/2008
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported

CARSON TERMINAL EXPANSION PROJECT PHASE IV (Continued) **S100925072**

Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Other
Cleanup By:	Responsible Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	0100
Year:	2008
Agency:	Kinder-Morgan
Incident Date:	3/22/2008
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Mixed Fuels
Quantity Released:	5
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	A bad valve caused a slow leak out of a sample pot.
Name:	Not reported
Address:	2000 EAST SEPULVEDA
City,State,Zip:	CARSON, CA

CARSON TERMINAL EXPANSION PROJECT PHASE IV (Continued) **S100925072**

OES Incident Number:	3-5654
OES notification:	10/31/2003
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2003
Agency:	Kinder Morgan
Incident Date:	10/31/200312:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Refinery
E Date:	Not reported
Substance:	Crude
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported

CARSON TERMINAL EXPANSION PROJECT PHASE IV (Continued) **S100925072**

#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Unknown size pipeline leaked and left a puddle of crude 20' x 60'.
Name:	Not reported
Address:	2000 EAST SEPULVEDA BLVD
City,State,Zip:	CARSON, CA
OES Incident Number:	7-0989
OES notification:	03/10/1997
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1997
Agency:	Gatx Terminals
Incident Date:	3/1/199712:00:00 AM
Admin Agency:	L. A. County Fire Prevention

CARSON TERMINAL EXPANSION PROJECT PHASE IV (Continued) **S100925072**

Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	Water
Gallons:	110
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	While doing a tank draw, a water draw look box overflowed.

Name:	Not reported
Address:	2000 EAST SEPULVEDA
City,State,Zip:	CARSON, CA 90810
OES Incident Number:	7-7519
OES notification:	12/05/2007
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported

CARSON TERMINAL EXPANSION PROJECT PHASE IV (Continued) **S100925072**

Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2007
Agency:	Kinder Morgan
Incident Date:	12/5/2007 12:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	Crude Oil
Gallons:	1' x 1' stain
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	A leaky gauge was the cause of this small release to the rock.

Name:	Not reported
Address:	2000 EAST SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90810
OES Incident Number:	12-7012
OES notification:	11/19/2012
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported

CARSON TERMINAL EXPANSION PROJECT PHASE IV (Continued) **S100925072**

Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	Ground water
Spill Site:	Other
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Unknown
Other:	Not reported
Date/Time:	1555
Year:	2012
Agency:	Kinder Morgan
Incident Date:	11/19/2012
Admin Agency:	LACoFD Health Haz-Mat
Amount:	Not reported
Contained:	Yes
Site Type:	Ground water
E Date:	Not reported
Substance:	Potential Petroleum Release
Quantity Released:	Unk
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	RP states that an increase of product thickness in a ground water monitoring well has prompted a further investigation. Release if any is contained to the facility.
Name:	Not reported
Address:	2000 EAST SEPULVEDA BLVD.

CARSON TERMINAL EXPANSION PROJECT PHASE IV (Continued) **S100925072**

City,State,Zip:	CARSON, CA 90810
OES Incident Number:	13-4827
OES notification:	08/05/2013
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Pipe Line
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Unknown
Other:	Not reported
Date/Time:	1420
Year:	2013
Agency:	Kinder Morgan
Incident Date:	8/5/2013
Admin Agency:	LACoFD Health Haz-Mat
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Diesel
Quantity Released:	UNK
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported

CARSON TERMINAL EXPANSION PROJECT PHASE IV (Continued) **S100925072**

#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Caller states: The release occurred in a valve box on a pipeline. The valve box is 5 feet x 6 feet in diameter. The release was to primary containment (the valve box). There was no impact to the ground or any waterways.
Name:	Not reported
Address:	2000 EAST SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90731
OES Incident Number:	8-2081
OES notification:	05/04/1998
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported

CARSON TERMINAL EXPANSION PROJECT PHASE IV (Continued) **S100925072**

Year:	1998
Agency:	GATX Corp
Incident Date:	5/4/199812:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Refinery,Other
E Date:	Not reported
Substance:	Crude Oil
BBLS:	20
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Gasket failer on pump caused crude to fall to soil, contained in earthen berm; vactor cleanup underway.
Name:	Not reported
Address:	2000 EAST SEPULVEDA BLVD.
City,State,Zip:	CARSON, CA
OES Incident Number:	3-0704
OES notification:	02/06/2003
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported

CARSON TERMINAL EXPANSION PROJECT PHASE IV (Continued) **S100925072**

Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2003
Agency:	Kinder Morgan
Incident Date:	2/2/200312:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Refinery
E Date:	Not reported
Substance:	Gasoline H20 mix
Gallons:	35
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Valve left open on water draw vault, caused release of gasoline and water mix.
Name:	Not reported
Address:	2000 SEPULVEDA BLVD
City,State,Zip:	CARSON, CA
OES Incident Number:	10-3654
OES notification:	06/15/2010
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported

CARSON TERMINAL EXPANSION PROJECT PHASE IV (Continued) **S100925072**

Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Service Station
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1855
Year:	2010
Agency:	Kinder Morgan
Incident Date:	6/15/2010
Admin Agency:	LACoFD Health Haz-Mat
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Diesel Fuel with water mixture
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Caller release from a storage tank onto the gravel area covering approximately 7 feet area.

CARSON TERMINAL EXPANSION PROJECT PHASE IV (Continued) **S100925072**

Name:	Not reported
Address:	2000 EAST SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90810
OES Incident Number:	7-6869
OES notification:	11/07/2007
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2007
Agency:	Kinder Morgan
Incident Date:	11/7/2007 12:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	Crude Oil and Water
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0

CARSON TERMINAL EXPANSION PROJECT PHASE IV (Continued) **S100925072**

Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	11/07/07 at 1215 hrs, a pump seal gave way causing the spill.
Name:	Not reported
Address:	2000 EAST SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90810
OES Incident Number:	08-3948
OES notification:	06/02/2008
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Industrial Plant
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1935
Year:	2008

CARSON TERMINAL EXPANSION PROJECT PHASE IV (Continued) **S100925072**

Agency:	Kinder Morgan
Incident Date:	6/2/2008
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Carb Diesel
Quantity Released:	Unknown
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Caller states that a 150-200 feet long, 18inch wide pipe leaked. Was told that a sump overflow and water draw pot overflow occured causing the spill.

Name:	Not reported
Address:	2000 EAST SEPULVEDA
City,State,Zip:	CARSON, CA 92868
OES Incident Number:	7-0894
OES notification:	02/09/2007
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported

CARSON TERMINAL EXPANSION PROJECT PHASE IV (Continued) **S100925072**

CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2007
Agency:	Kinder Morgan
Incident Date:	2/9/2007 12:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Industrial Plant
E Date:	Not reported
Substance:	Gas Blend Stock
Gallons:	Unknown
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	A Pump’s engineered containment barrier leaked on to the ground.

Name:	Not reported
Address:	2000 EAST SEPULVEDA
City,State,Zip:	CARSON, CA
OES Incident Number:	9-1061
OES notification:	03/07/1999
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported

CARSON TERMINAL EXPANSION PROJECT PHASE IV (Continued) **S100925072**

Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party and contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1999
Agency:	GATX Terminals
Incident Date:	3/7/199912:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	transmix
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Release is contained to the terminal. Caused by a tank overflow.

CARSON TERMINAL EXPANSION PROJECT PHASE IV (Continued) **S100925072**

Name:	Not reported
Address:	2000 EAST SEPULVEDA
City,State,Zip:	CARSON, CA 90810
OES Incident Number:	8-4220
OES notification:	09/15/1998
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1998
Agency:	GATX
Incident Date:	9/15/199812:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	Crude Oil
BBLS:	35
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0

CARSON TERMINAL EXPANSION PROJECT PHASE IV (Continued) **S100925072**

Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Occurred at a Storage terminal which stores product for refineries. Possibly occurred due to corrosion leak from an underground line. Noticed crude on ground, began excavating and discovered leak.
Name:	Not reported
Address:	2000 EAST SEPULVEDA
City,State,Zip:	CARSON, CA 90745
OES Incident Number:	08-6912
OES notification:	09/23/2008
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Refinery
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported

CARSON TERMINAL EXPANSION PROJECT PHASE IV (Continued) **S100925072**

Measure:	Gal(s)
Other:	Not reported
Date/Time:	1534
Year:	2008
Agency:	Kinder Morgan
Incident Date:	9/23/2008
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Ethynol
Quantity Released:	2' x 2' st
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	A leaky flange is the cause of this very small release to the soil. The release occurred on a pipeline inside the terminal.

ENF:

Name:	GROUND WATER CLEANUP - CARSON
Address:	2000 SEPULVEDA
City,State,Zip:	CARSON, CA 90810
Region:	4
Facility Id:	229321
Agency Name:	Kinder Morgan Liquids Terminals, LLC
Place Type:	Manufacturing
Place Subtype:	Petroleum Refinery
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	33.807155
Place Longitude:	-118.231666
SIC Code 1:	2911
SIC Desc 1:	Petroleum Refining
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported

CARSON TERMINAL EXPANSION PROJECT PHASE IV (Continued) **S100925072**

NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	UNREGS
Program Category1:	UNREGS
Program Category2:	UNREGS
# Of Programs:	1
WDID:	4B192238N03
Reg Measure Id:	149765
Reg Measure Type:	Unregulated
Region:	4
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/21/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	220104
Region:	4
Order / Resolution Number:	CAO
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	11/06/1990
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	11/06/1990
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 4B192238N03
Description:	TO IMPLEMENT THE GROUND WATER CLEANUP ACCORDING TO THE TIME SCHEDULE.

CARSON TERMINAL EXPANSION PROJECT PHASE IV (Continued) **S100925072**

Program:	UNREGS
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

NPDES:

Name:	CARSON TERMINAL
Address:	2000 EAST SEPULVEDA BOULEVARD
City,State,Zip:	CARSON, CA 90810
Facility Status:	Active
NPDES Number:	CA0056863
Region:	4
Agency Number:	24865
Regulatory Measure ID:	404032
Place ID:	217067
Order Number:	R4-2016-0360
WDID:	4B192238002
Regulatory Measure Type:	NPDES Permits
Program Type:	NPDNONMUNIPRCS
Adoption Date Of Regulatory Measure:	12/08/2016
Effective Date Of Regulatory Measure:	02/01/2017
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	01/31/2022
Discharge Address:	1100 Town & Country Road 700
Discharge Name:	Kinder Morgan Liquids Terminals, LLC
Discharge City:	Orange
Discharge State:	CA
Discharge Zip:	92868
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	CA0056863
Status:	Historical
Agency Number:	24865
Region:	4
Regulatory Measure ID:	377786
Order Number:	R4-2011-0100
Regulatory Measure Type:	NPDES Permits
Place ID:	217067
WDID:	4B192238002
Program Type:	NPDNONMUNIPRCS
Adoption Date Of Regulatory Measure:	06/02/2011
Effective Date Of Regulatory Measure:	07/02/2011
Expiration Date Of Regulatory Measure:	05/10/2016
Termination Date Of Regulatory Measure:	01/31/2017

CARSON TERMINAL EXPANSION PROJECT PHASE IV (Continued) **S100925072**

Discharge Name:	Kinder Morgan Liquids Terminals, LLC
Discharge Address:	1100 Town & Country Road 700
Discharge City:	Orange
Discharge State:	CA
Discharge Zip:	92868
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported

CARSON TERMINAL EXPANSION PROJECT PHASE IV (Continued) **S100925072**

Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CA0056863
Status:	Active
Agency Number:	24865
Region:	4
Regulatory Measure ID:	404032
Order Number:	R4-2016-0360
Regulatory Measure Type:	NPDES Permits
Place ID:	217067
WDID:	4B192238002
Program Type:	NPDNONMUNIPRCS
Adoption Date Of Regulatory Measure:	12/08/2016
Effective Date Of Regulatory Measure:	02/01/2017
Expiration Date Of Regulatory Measure:	01/31/2022
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Kinder Morgan Liquids Terminals, LLC
Discharge Address:	1100 Town & Country Road 700
Discharge City:	Orange
Discharge State:	CA
Discharge Zip:	92868
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported

CARSON TERMINAL EXPANSION PROJECT PHASE IV (Continued) **S100925072**

Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CIWQS:

Name:	CARSON TERMINAL
Address:	2000 EAST SEPULVEDA BOULEVARD
City,State,Zip:	CARSON, CA 90810
Agency:	Not reported
Agency Address:	Not reported
Place/Project Type:	Tank Farm
SIC/NAICS:	1311(+)
Region:	4
Program:	LNDISP
Regulatory Measure Status:	Historical
Regulatory Measure Type:	Enrollee - WDR
Order Number:	90-148
WDID:	4B196900009
NPDES Number:	Not reported
Adoption Date:	Not reported
Effective Date:	05/20/2009
Termination Date:	05/20/2010
Expiration/Review Date:	05/20/2010
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	B
TTWQ:	3
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.807155
Longitude:	-118.231666

Name:	CARSON TERMINAL EXPANSION PROJECT PHASE IV
Address:	2000 EAST SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90810
Agency:	Kinder Morgan Energy Partners

CARSON TERMINAL EXPANSION PROJECT PHASE IV (Continued) **S100925072**

Agency Address:	1001 Louisiana St Ste 1000, Houston, TX 77002
Place/Project Type:	Construction - Industrial
SIC/NAICS:	Not reported
Region:	4
Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	4 19C360739
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	04/06/2011
Termination Date:	10/07/2013
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.480958
Longitude:	-118.140198

Name:	CARSON TERMINAL EXPANSION PROJECT PHASE IV
Address:	2000 EAST SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90810
Agency:	Kinder Morgan Energy Partners
Agency Address:	1001 Louisiana St Ste 1000, Houston, TX 77002
Place/Project Type:	Construction - Industrial
SIC/NAICS:	Not reported
Region:	4
Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	4 19C359627
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	10/04/2010
Termination Date:	03/05/2012
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.480958
Longitude:	-118.140198

Name:	CARSON TERMINAL
Address:	2000 EAST SEPULVEDA BOULEVARD
City,State,Zip:	CARSON, CA 90810
Agency:	Kinder Morgan Liquids Terminals, LLC
Agency Address:	1100 Town & Country Road 700, Orange, CA 92868
Place/Project Type:	Tank Farm
SIC/NAICS:	1311(+)

CARSON TERMINAL EXPANSION PROJECT PHASE IV (Continued) **S100925072**

Region:	4
Program:	NPDESWW, NPDNONMUNIPRCS
Regulatory Measure Status:	Active
Regulatory Measure Type:	NPDES Permit
Order Number:	R4-2016-0360
WDID:	4B192238002
NPDES Number:	CA0056863
Adoption Date:	12/08/2016
Effective Date:	02/01/2017
Termination Date:	Not reported
Expiration/Review Date:	01/31/2022
Design Flow:	0.25
Major/Minor:	Minor
Complexity:	C
TTWQ:	2
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.807155
Longitude:	-118.231666

R86 **GATX TANK STORAGE TERMINAL** **ENVIROSTOR** **S108402949**
SSW **2000 E SEPULVEDA BLVD** **CPS-SLIC** **N/A**
1/2-1 **CARSON, CA 90810** **CHMIRS**
0.545 mi. **LA Co. Site Mitigation**
2875 ft. **Site 2 of 2 in cluster R** **CERS**

Relative:
Higher

Actual:
26 ft.

ENVIROSTOR:

Name:	GATX TANK STORAGE TERM CORP.
Address:	2000 E. SEPULVEDA BOULEVARD
City,State,Zip:	CARSON, CA 90810
Facility ID:	71002322
Status:	Refer: Other Agency
Status Date:	Not reported
Site Code:	Not reported
Site Type:	Tiered Permit
Site Type Detailed:	Tiered Permit
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Not reported
Division Branch:	Cleanup Chatsworth
Assembly:	64
Senate:	35
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.80732
Longitude:	-118.2401
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CAD010715837
Alias Type:	EPA Identification Number

GATX TANK STORAGE TERMINAL (Continued) **S108402949**

Alias Name: 110002081826
Alias Type: EPA (FRS #)
Alias Name: 71002322
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

CPS-SLIC:
Name: KMEP CARSON TERMINAL (FORMER GATX)
Address: 2000 E. SEPULVEDA BLVD
City,State,Zip: CARSON, CA 90810
Region: STATE
Facility Status: **Open - Remediation**
Status Date: 01/22/2009
Global Id: SLT43129127
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 33.8039197679567
Longitude: -118.233227232849
Case Type: Cleanup Program Site
Case Worker: JYL
Local Agency: Not reported
RB Case Number: 0045
File Location: Regional Board
Potential Media Affected: Aquifer used for drinking water supply, Soil
Potential Contaminants of Concern: MTBE / TBA / Other Fuel Oxygenates, Gasoline
Site History: The tank storage facility at the site was constructed in 1921 for petroleum storage and is bordered by petroleum processing facilities operated by Tesoro Los Angeles Refinery, ConocoPhillips Los Angeles Plant, and BP Arco Refinery. Site assessment and remediation under Regional Board Cleanup and Abatement Order (CAO) No. 90-152. Responsible Party also participates Carson Regional Groundwater Group's (CRGG) regional groundwater contamination investigation. US EPA and RWQCB established MOU to regulate groundwater contamination matter under RCRA Corrective Action and CAO Order No. 90-152.

Click here to access the California GeoTracker records for this facility:

CHMIRS:
Name: Not reported
Address: 2000 E. SEPULVEDA BLVD.
City,State,Zip: CARSON, CA 90810

GATX TANK STORAGE TERMINAL (Continued) **S108402949**

OES Incident Number:	1-6225
OES notification:	10/18/2011
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Other
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	N/A
Other:	Not reported
Date/Time:	1315
Year:	2011
Agency:	Kinder Morgan
Incident Date:	10/18/2011
Admin Agency:	LACoFD Health Haz-Mat
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Crude oily water
Quantity Released:	9’ X 20’
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported

GATX TANK STORAGE TERMINAL (Continued) **S108402949**

#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Operator observed stain on surface.
Name:	Not reported
Address:	2000 E SEPULVEDA
City,State,Zip:	CARSON, CA 92868
OES Incident Number:	5-2650
OES notification:	05/03/2005
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2005
Agency:	Kinder Morgan
Incident Date:	5/3/200512:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported

GATX TANK STORAGE TERMINAL (Continued) **S108402949**

Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	Crude
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Seal on pipe flange gave way

Name:	Not reported
Address:	2000 E. SEPULVEDA BLVD
City,State,Zip:	CARSON, CA
OES Incident Number:	1-3493
OES notification:	06/10/2011
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported

GATX TANK STORAGE TERMINAL (Continued) **S108402949**

Spill Site:	Other
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Unknown
Other:	Not reported
Date/Time:	1330
Year:	2011
Agency:	Kinder Morgan
Incident Date:	6/10/2011
Admin Agency:	LACoFD Health Haz-Mat
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Diesel
Quantity Released:	UNK
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	The caller is reporting a spill on the floor of facility due to a leak from a pipe. The spill is 3 feet by 8 feet.

Name:	Not reported
Address:	2000 E. SEPULVEDA
City,State,Zip:	CARSON, CA
OES Incident Number:	10-0924
OES notification:	02/04/2010
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported

GATX TANK STORAGE TERMINAL (Continued) **S108402949**

Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Other
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Unknown
Other:	Not reported
Date/Time:	1110
Year:	2010
Agency:	Kinder Morgan
Incident Date:	2/4/2010
Admin Agency:	LACoFD Health Haz-Mat
Amount:	Not reported
Contained:	Unknown
Site Type:	Not reported
E Date:	Not reported
Substance:	Jet Fuel
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	The caller is reporting a weep from a nipple on a pipe. There is a 1/2 inch stain on floor.
Name:	Not reported
Address:	2000 E. SEPULVEDA BLVD
City,State,Zip:	CARSON, CA
OES Incident Number:	10-6043
OES notification:	10/07/2010
OES Date:	Not reported

GATX TANK STORAGE TERMINAL (Continued) **S108402949**

OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Pipe Line
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Unknown
Other:	Not reported
Date/Time:	800
Year:	2010
Agency:	Kinder Morgan
Incident Date:	10/7/2010
Admin Agency:	LACoFD Health Haz-Mat
Amount:	Not reported
Contained:	Unknown
Site Type:	Not reported
E Date:	Not reported
Substance:	Hydro test water
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported

GATX TANK STORAGE TERMINAL (Continued) **S108402949**

Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	The caller is reporting a threatened release due to pressure drop during a hydro test on pipeline.
Name:	Not reported
Address:	2000 E SEPULVEDA
City,State,Zip:	CARSON, CA
OES Incident Number:	12-7429
OES notification:	12/05/2012
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Refinery
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Unknown
Other:	Not reported
Date/Time:	1100
Year:	2012
Agency:	Kinder Morgan
Incident Date:	12/5/2012
Admin Agency:	LACoFD Health Haz-Mat
Amount:	Not reported
Contained:	Unknown
Site Type:	Not reported
E Date:	Not reported

GATX TANK STORAGE TERMINAL (Continued) **S108402949**

Substance:	Water
Quantity Released:	Unknown
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	**Threatened Release ONLY***Caller states there is a pressure drop during a hydro test. They are running test at this time.

Name:	Not reported
Address:	2000 E SEPULVEDA
City,State,Zip:	CARSON, CA
OES Incident Number:	08-6829
OES notification:	09/19/2008
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Pipe Line

GATX TANK STORAGE TERMINAL (Continued) **S108402949**

Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	N/A
Other:	Not reported
Date/Time:	0055
Year:	2008
Agency:	Kinder Morgan
Incident Date:	9/19/2008
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Unknown Additive
Quantity Released:	1ft x 7"
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Due to unknown causes, a leak from a containment area went onto the dirt

Name:	Not reported
Address:	2000 E. SEPULVEDA BLVD
City,State,Zip:	CARSON, CA
OES Incident Number:	1-3060
OES notification:	05/18/2011
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported

GATX TANK STORAGE TERMINAL (Continued) **S108402949**

Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Other
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Unknown
Other:	Not reported
Date/Time:	1535
Year:	2011
Agency:	Kinder Morgan
Incident Date:	5/18/2011
Admin Agency:	LACoFD Health Haz-Mat
Amount:	Not reported
Contained:	Unknown
Site Type:	Not reported
E Date:	Not reported
Substance:	Jet Fuel
Quantity Released:	UNK
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	The caller is reporting a 2 foot by 8 foot stain on the floor. The cause of the spill is under investigation.
Name:	Not reported
Address:	2000 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA
OES Incident Number:	10-0309
OES notification:	01/15/2010
OES Date:	Not reported

GATX TANK STORAGE TERMINAL (Continued) **S108402949**

OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Industrial Plant
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	N/A
Other:	Not reported
Date/Time:	1200
Year:	2010
Agency:	Kinder Morgan
Incident Date:	1/15/2010
Admin Agency:	LACoFD Health Haz-Mat
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Waste water
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported

GATX TANK STORAGE TERMINAL (Continued) **S108402949**

Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Caller stated the oily waste water from a 3 inch plastic pipe onto the ground and stained the area (approximately 1 FT by 1 FT).It is contained in a tank pad area. Clean-up is completed.

LA Co. Site Mitigation:

Name:	GATX TANK STORAGE TERMINAL
Address:	2000 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90810
Facility ID:	FA0024451
Status:	Not reported
Site ID:	SD0011658
Jurisdiction:	Not reported
Case ID:	RO0011658
Abated:	Yes
Assigned To:	Not reported
Entered Date:	Not reported
Abated Date:	01/01/1998

CERS:

Name:	KMEP CARSON TERMINAL (FORMER GATX)
Address:	2000 E. SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90810
Site ID:	202447
CERS ID:	SLT43129127
CERS Description:	Cleanup Program Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	JEANETTE LIU - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	320 W. 4th Street, Suite 200
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	2135766758,

S87 **TESORO CARSON REFINERY** **SEMS-ARCHIVE** **1015732785**
WSW **1801 E SEPULVEDA BLVD** **CORRACTS** **CAD077227049**
1/2-1 **CARSON, CA 90749** **RCRA-TSDF**
0.680 mi. **RCRA-LQG**
3593 ft. **Site 1 of 4 in cluster S** **US FIN ASSUR**
2020 COR ACTION

Relative:
Higher

Actual:
32 ft.

SEMS Archive:

Site ID:	0901601
EPA ID:	CAD077227049
Name:	ARCO PETROL PROD CO WATSON REF
Address:	1801 E SEPULVEDA BLVD
Address 2:	Not reported
City,State,Zip:	CARSON, CA 90745

TESORO CARSON REFINERY (Continued) **1015732785**

Cong District: 32
FIPS Code: 06037
FF: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region: 09
Site ID: 0901601
EPA ID: CAD077227049
Site Name: ARCO PETROL PROD CO WATSON REF
NPL: N
FF: N
OU: 00
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 1988-11-21 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 09
Site ID: 0901601
EPA ID: CAD077227049
Site Name: ARCO PETROL PROD CO WATSON REF
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1979-12-01 05:00:00
Finish Date: 1979-12-01 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0901601
EPA ID: CAD077227049
Site Name: ARCO PETROL PROD CO WATSON REF
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: Not reported
Finish Date: 1985-05-01 05:00:00
Qual: L
Current Action Lead: EPA Perf

Region: 09
Site ID: 0901601
EPA ID: CAD077227049
Site Name: ARCO PETROL PROD CO WATSON REF
NPL: N
FF: N

TESORO CARSON REFINERY (Continued) **1015732785**

OU: 00
Action Code: SI
Action Name: SI
SEQ: 1
Start Date: Not reported
Finish Date: 1987-09-01 04:00:00
Qual: N
Current Action Lead: EPA Perf

Region: 09
Site ID: 0901601
EPA ID: CAD077227049
Site Name: ARCO PETROL PROD CO WATSON REF
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 2
Start Date: Not reported
Finish Date: 1988-11-21 05:00:00
Qual: N
Current Action Lead: EPA Perf

CORRACTS:
Name: TESORO CARSON REFINERY
Address: 1801 E SEPULVEDA BLVD
Address 2: Not reported
EPA ID: CAD077227049
Area Name: ENTIRE FACILITY
Corrective Action: HUMAN EXPOSURES CONTROLLED DETERMINATION-MORE INFORMATION NEEDED
Actual Date: 19971030
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: TESORO CARSON REFINERY
Address: 1801 E SEPULVEDA BLVD
Address 2: Not reported
EPA ID: CAD077227049
Area Name: ENTIRE FACILITY
Corrective Action: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Actual Date: 20070531
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: TESORO CARSON REFINERY
Address: 1801 E SEPULVEDA BLVD
Address 2: Not reported
EPA ID: CAD077227049
Area Name: ENTIRE FACILITY
Corrective Action: RELEASE TO GW CONTROLLED DETERMINATION-MORE INFORMATION NEEDED

TESORO CARSON REFINERY (Continued) **1015732785**

Actual Date: 20080909
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: TESORO CARSON REFINERY
Address: 1801 E SEPULVEDA BLVD
Address 2: Not reported
EPA ID: CAD077227049
Area Name: ENTIRE FACILITY
Corrective Action: RELEASE TO GW CONTROLLED DETERMINATION-FACILITY DOES NOT MEET DEFINITION
Actual Date: 19971030
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: TESORO CARSON REFINERY
Address: 1801 E SEPULVEDA BLVD
Address 2: Not reported
EPA ID: CAD077227049
Area Name: ENTIRE FACILITY
Corrective Action: RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Actual Date: 20200929
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

RCRA TSDF:
Treatment Storage and Disposal Type: Land Disposal
Full Enforcement Universe: Land Disposal
Corrective Action Workload Universe: Yes
Permit Renewals Workload Universe: Not reported
Permit Workload Universe: Not reported
Permit Progress Universe: Land Disposal
Post-Closure Workload Universe: Land Disposal
Closure Workload Universe: Not reported
Operating TSDF Universe: Not reported
Commercial TSD Indicator: No
Active Site Fed-Reg Treatment Storage and Disposal Facility: Land Disposal
Active Site Converter Treatment storage and Disposal Facility: Not reported
Active Site State-Reg Treatment Storage and Disposal Facility: Not reported
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: Yes
TSDFs Only Subject to CA under Discretionary Auth Universe: No

Biennial: List of Years
Year: 2021

Click Here for Biennial Reporting System Data:
Year: 2019

Click Here for Biennial Reporting System Data:
Year: 2017

TESORO CARSON REFINERY (Continued) **1015732785**

Click Here for Biennial Reporting System Data:
Year: 2015

Click Here for Biennial Reporting System Data:
Year: 2013

Click Here for Biennial Reporting System Data:
Year: 2011

Click Here for Biennial Reporting System Data:
Year: 2009

Click Here for Biennial Reporting System Data:
Year: 2007

Click Here for Biennial Reporting System Data:
Year: 2005

Click Here for Biennial Reporting System Data:
Year: 2003

Click Here for Biennial Reporting System Data:
Year: 2001

Click Here for Biennial Reporting System Data:

RCRA Listings:

Date Form Received by Agency:	20220225
Handler Name:	Tesoro Carson Refinery
Handler Address:	1801 E SEPULVEDA BLVD
Handler City,State,Zip:	CARSON, CA 90749-6210
EPA ID:	CAD077227049
Contact Name:	JASON Y LO
Contact Address:	E 223RD ST
Contact City,State,Zip:	CARSON, CA 90810
Contact Telephone:	310-847-5434
Contact Fax:	Not reported
Contact Email:	JYLO@MARATHONPETROLEUM.COM
Contact Title:	ADV. HES PROFESSIONAL
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	2021
Accessibility:	Not reported
Active Site Indicator:	Handler Activities, Permitting Activities, Corrective Action Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	E 223RD ST
Mailing City,State,Zip:	CARSON, CA 90810
Owner Name:	Tesoro Refining & Marketing Company Llc
Owner Type:	Private
Operator Name:	Tesoro Refining & Marketing Company Llc
Operator Type:	Private
Short-Term Generator Activity:	No

TESORO CARSON REFINERY (Continued) **1015732785**

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	Yes
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Accomplished
202 GPRA Corrective Action Baseline:	Yes
Subject to Corrective Action Universe:	Yes
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	Yes
Groundwater Controls Indicator:	Yes
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Post-Closure Care
Handler Date of Last Change:	20220610
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2021

Click Here for Biennial Reporting System Data:
Year: 2019

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Year: 2017

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Year: 2015

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Year: 2011

TESORO CARSON REFINERY (Continued) **1015732785**

Click Here for Biennial Reporting System Data:
Year: 2009

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Year: 2007

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Year: 2005

Click Here for Biennial Reporting System Data:
Year: 2003

Click Here for Biennial Reporting System Data:
Year: 2001

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D000
Waste Description: Not Defined

Waste Code: D001
Waste Description: IGNITABLE WASTE

Waste Code: D002
Waste Description: CORROSIVE WASTE

Waste Code: D003
Waste Description: REACTIVE WASTE

Waste Code: D005
Waste Description: BARIUM

Waste Code: D006
Waste Description: CADMIUM

Waste Code: D007
Waste Description: CHROMIUM

Waste Code: D008
Waste Description: LEAD

Waste Code: D009
Waste Description: MERCURY

Waste Code: D010
Waste Description: SELENIUM

Waste Code: D011
Waste Description: SILVER

Waste Code: D018
Waste Description: BENZENE

Waste Code: D019
Waste Description: CARBON TETRACHLORIDE

TESORO CARSON REFINERY (Continued) **1015732785**

Waste Code: D021
Waste Description: CHLOROBENZENE

Waste Code: D022
Waste Description: CHLOROFORM

Waste Code: D026
Waste Description: CRESOL

Waste Code: D035
Waste Description: METHYL ETHYL KETONE

Waste Code: D039
Waste Description: TETRACHLOROETHYLENE

Waste Code: D040
Waste Description: TRICHLORETHYLENE

Waste Code: F001
Waste Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F002
Waste Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F003
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F005
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS

TESORO CARSON REFINERY (Continued) **1015732785**

LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F037
Waste Description: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE, BUT ARE NOT LIMITED TO, THOSE GENERATED IN OIL/WATER/SOLIDS SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORM WATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGES GENERATED IN STORM WATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.

Waste Code: F038
Waste Description: PETROLEUM REFINERY SECONDARY (EMULSIFIED) OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE AND/OR FLOAT GENERATED FROM THE PHYSICAL AND/OR CHEMICAL SEPARATION OF OIL/WATER/SOLIDS IN PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH WASTES INCLUDE, BUT ARE NOT LIMITED TO, ALL SLUDGES AND FLOATS GENERATED IN INDUCED AIR FLOTATION (IAF) UNITS, TANKS AND IMPOUNDMENTS, AND ALL SLUDGES GENERATED IN DAF UNITS. SLUDGES GENERATED IN STORMWATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND F037, K048, AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.

Waste Code: F039
Waste Description: LEACHATE RESULTING FROM THE TREATMENT, STORAGE, OR DISPOSAL OF WASTES CLASSIFIED BY MORE THAN ONE WASTE CODE UNDER SUBPART D, OR FROM A MIXTURE OF WASTES CLASSIFIED UNDER SUBPARTS C AND D OF THIS PART. (LEACHATE RESULTING FROM THE MANAGEMENT OF ONE OR MORE OF THE FOLLOWING EPA HAZARDOUS WASTES AND NO OTHER HAZARDOUS WASTES RETAINS ITS HAZARDOUS WASTE CODE(S): F020, F021, F022, F023, F026, F027, AND/OR F028.)

Waste Code: K048
Waste Description: DISSOLVED AIR FLOTATION (DAF) FLOAT FROM THE PETROLEUM REFINING INDUSTRY.

Waste Code: K049
Waste Description: SLOP OIL EMULSION SOLIDS FROM THE PETROLEUM REFINING INDUSTRY.

Waste Code: K050
Waste Description: HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

Waste Code: K051
Waste Description: API SEPARATOR SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

Waste Code: K169

TESORO CARSON REFINERY (Continued) **1015732785**

Waste Description: K169

Waste Code: K170
Waste Description: K170

Waste Code: K171
Waste Description: K171

Waste Code: P030
Waste Description: CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED

Waste Code: P042
Waste Description: 1,2-BENZENEDIOL, 4-[1-HYDROXY-2-(METHYLAMINO)ETHYL]-, (R)- (OR) EPINEPHRINE

Waste Code: P081
Waste Description: 1,2,3-PROPANETRIOL, TRINITRATE (R) (OR) NITROGLYCERINE (R)

Waste Code: P110
Waste Description: PLUMBANE, TETRAETHYL- (OR) TETRAETHYL LEAD

Waste Code: U036
Waste Description: 4,7-METHANO-1H-INDENE, 1,2,4,5,6,7,8,8-OCTACHLORO-2,3,3A,4,7,7A-HEXAHYDRO- (OR) CHLORDANE, ALPHA & GAMMA ISOMERS

Waste Code: U044
Waste Description: CHLOROFORM (OR) METHANE, TRICHLORO-

Waste Code: U080
Waste Description: METHANE, DICHLORO- (OR) METHYLENE CHLORIDE

Waste Code: U117
Waste Description: ETHANE, 1,1'-OXYBIS-(I) (OR) ETHYL ETHER (I)

Waste Code: U153
Waste Description: METHANETHIOL (I,T) (OR) THIOMETHANOL (I,T)

Waste Code: U160
Waste Description: 2-BUTANONE, PEROXIDE (R,T) (OR) METHYL ETHYL KETONE PEROXIDE (R,T)

Waste Code: U162
Waste Description: 2-PROPENOIC ACID, 2-METHYL-, METHYL ESTER (I,T) (OR) METHYL METHACRYLATE (I,T)

Waste Code: U188
Waste Description: PHENOL

Waste Code: U210
Waste Description: ETHENE, TETRACHLORO- (OR) TETRACHLOROETHYLENE

Waste Code: U211
Waste Description: CARBON TETRACHLORIDE (OR) METHANE, TETRACHLORO-

Waste Code: U220
Waste Description: BENZENE, METHYL- (OR) TOLUENE

TESORO CARSON REFINERY (Continued) **1015732785**

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: TESORO REFINING & MARKETING COMPANY LLC
Legal Status: Private
Date Became Current: 20130601
Date Ended Current: Not reported
Owner/Operator Address: 2350 E 223RD STREET
Owner/Operator City,State,Zip: CARSON, CA 90810
Owner/Operator Telephone: 310-847-5658
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: B P W COAST PROD L L C
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 1801 E SEPULVEDA BLVD
Owner/Operator City,State,Zip: CARSON, CA 90749
Owner/Operator Telephone: 310-816-7501
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: TESORO REFININF & MARKETING COMPANY LLC
Legal Status: Private
Date Became Current: 20130601
Date Ended Current: Not reported
Owner/Operator Address: 2350 E 223RD ST
Owner/Operator City,State,Zip: CARSON, CA 90810
Owner/Operator Telephone: 310-847-5762
Owner/Operator Telephone Ext: 5762
Owner/Operator Fax: Not reported
Owner/Operator Email: ROBERT.J.RIODAN@ANDEAVOR.COM

Owner/Operator Indicator: Operator
Owner/Operator Name: BP WEST COAST PRODUCTS, LLC
Legal Status: Private
Date Became Current: 20020101
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: BP WEST COAST PRODUCTS LLC,
Legal Status: Private
Date Became Current: 20020101
Date Ended Current: Not reported
Owner/Operator Address: 1801 E. SEPULVEDA BLVD
Owner/Operator City,State,Zip: CA, CA 90745
Owner/Operator Telephone: 310-816-8180

TESORO CARSON REFINERY (Continued) **1015732785**

Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: BP WEST COAST PRODUCTS LLC, CARSON REFIN
Legal Status: Private
Date Became Current: 20020101
Date Ended Current: Not reported
Owner/Operator Address: 1801 E. SEPULVEDA BLVD
Owner/Operator City,State,Zip: CARSON, CA 90745
Owner/Operator Telephone: 310-847-5656
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: TESORO REFINING & MARKETING COMPANY LLC
Legal Status: Private
Date Became Current: 20130601
Date Ended Current: Not reported
Owner/Operator Address: 2350 E 223RD ST
Owner/Operator City,State,Zip: CARSON, CA 90810
Owner/Operator Telephone: 310-847-5434
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: JYLO@MARATHONPETROLEUM.COM

Owner/Operator Indicator: Owner
Owner/Operator Name: TESORO REFINING AND MARKETING CO LLC
Legal Status: Private
Date Became Current: 20130601
Date Ended Current: Not reported
Owner/Operator Address: 19100 RIDGEWOOD PKWY
Owner/Operator City,State,Zip: SAN ANTONIO, TX 78259
Owner/Operator Telephone: 210-626-6000
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: BP WEST COAST PRODUCTS, LLC
Legal Status: Private
Date Became Current: 20020101
Date Ended Current: Not reported
Owner/Operator Address: 1801 E. SEPULVEDA BLVD
Owner/Operator City,State,Zip: CARSON, CA 90745
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: TESORO REFINING & MARKETING
Legal Status: Private
Date Became Current: 20130601
Date Ended Current: Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Owner/Operator Address: 2350 E 223 RD STREET
Owner/Operator City,State,Zip: CARSON, CA 90810
Owner/Operator Telephone: 310-847-5658
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: TESORO
Legal Status: Private
Date Became Current: 20130601
Date Ended Current: Not reported
Owner/Operator Address: 2350 E 223RD ST
Owner/Operator City,State,Zip: CARSON, CA 90810
Owner/Operator Telephone: 310-847-5762
Owner/Operator Telephone Ext: 5762
Owner/Operator Fax: Not reported
Owner/Operator Email: ROBERT.J.RIODAN@ANDEAVOR.COM

Owner/Operator Indicator: Operator
Owner/Operator Name: TESORO REFINING & MARKETING COMPANY LLC
Legal Status: Private
Date Became Current: 20130601
Date Ended Current: Not reported
Owner/Operator Address: 2350 E 223RD ST
Owner/Operator City,State,Zip: CARSON, CA 90810
Owner/Operator Telephone: 310-847-5434
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: JYLO@MARATHONPETROLEUM.COM

Owner/Operator Indicator: Owner
Owner/Operator Name: TESORO REFINING AND MARKETING CO LLC
Legal Status: Private
Date Became Current: 20130401
Date Ended Current: Not reported
Owner/Operator Address: 2350 E 223RD ST
Owner/Operator City,State,Zip: CARSON, CA 90810
Owner/Operator Telephone: 310-847-3646
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: TESORO
Legal Status: Private
Date Became Current: 20130601
Date Ended Current: Not reported
Owner/Operator Address: 2350 E 223RD ST
Owner/Operator City,State,Zip: CARSON, CA 90810
Owner/Operator Telephone: 310-847-5762
Owner/Operator Telephone Ext: 5762
Owner/Operator Fax: Not reported
Owner/Operator Email: ROBERT.J.RIODAN@ANDEAVOR.COM

Owner/Operator Indicator: Operator
Owner/Operator Name: BP WEST COAST PRODUCTS

TESORO CARSON REFINERY (Continued) **1015732785**

Legal Status: Private
Date Became Current: 20020101
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: BP WEST COAST PRODUCTS
Legal Status: Private
Date Became Current: 20020101
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: BP WEST COAST PRODUCTS LLC, CARSON REFIN
Legal Status: Private
Date Became Current: 20020101
Date Ended Current: Not reported
Owner/Operator Address: 1801 E. SEPULVEDA BLVD
Owner/Operator City,State,Zip: CARSON, CA 90745
Owner/Operator Telephone: 310-847-5656
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: TESORO REFINING & MARKETING COMPANY LLC
Legal Status: Private
Date Became Current: 20130601
Date Ended Current: Not reported
Owner/Operator Address: 2350 E 223RD ST
Owner/Operator City,State,Zip: CARSON, CA 90810
Owner/Operator Telephone: 310-847-5641
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: KCFRANCO@MARATHONPETROLEUM.COM

Owner/Operator Indicator: Operator
Owner/Operator Name: TESORO REFINING & MARKETING COMPANY LLC
Legal Status: Private
Date Became Current: 20130601
Date Ended Current: Not reported
Owner/Operator Address: 2350 E 223RD ST
Owner/Operator City,State,Zip: CARSON, CA 90810
Owner/Operator Telephone: 310-847-5641
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: KCFRANCO@MARATHONPETROLEUM.COM

TESORO CARSON REFINERY (Continued) **1015732785**

Owner/Operator Indicator: Owner
Owner/Operator Name: BP WEST COAST PRODUCTS
Legal Status: Private
Date Became Current: 20020101
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: TESORO REFINING & MARKETING COMPANY LLC
Legal Status: Private
Date Became Current: 20130601
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: TESORO REFINING AND MARKETING CO LLC
Legal Status: Private
Date Became Current: 20130601
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: TESORO REFINING AND MARKETING CO LLC
Legal Status: Private
Date Became Current: 20130601
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: TESORO REFINING & MARKETING COMPANY LLC
Legal Status: Private
Date Became Current: 20130601
Date Ended Current: Not reported
Owner/Operator Address: 2350 E 223RD ST
Owner/Operator City,State,Zip: CARSON, CA 90810
Owner/Operator Telephone: 310-847-5641
Owner/Operator Telephone Ext: Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Owner/Operator Fax: Not reported
Owner/Operator Email: KCFRANCO@MARATHONPETROLEUM.COM

Owner/Operator Indicator: Owner
Owner/Operator Name: TESORO REFINING AND MARKETING CO LLC
Legal Status: Private
Date Became Current: 20130601
Date Ended Current: Not reported
Owner/Operator Address: 19100 RIDGEWOOD PKWY
Owner/Operator City,State,Zip: SAN ANTONIO, TX 78259
Owner/Operator Telephone: 210-626-6000
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: BP WEST COAST PRODUCTS, LLC
Legal Status: Private
Date Became Current: 20020101
Date Ended Current: Not reported
Owner/Operator Address: 1801 E. SEPULVEDA BLVD.
Owner/Operator City,State,Zip: CARSON, CA 90745
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: BP WEST COAST PRODUCTS, LLC
Legal Status: Private
Date Became Current: 20020101
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: BP WEST COAST PRODUCTS, LLC
Legal Status: Private
Date Became Current: 20020101
Date Ended Current: Not reported
Owner/Operator Address: 1801 E SEPULVEDA BLVD
Owner/Operator City,State,Zip: CARSON, CA 90745
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: TESORO REFINING AND MARKETING
Legal Status: Private
Date Became Current: 20130601
Date Ended Current: Not reported
Owner/Operator Address: Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: TESORO REFINING AND MARKETING CO LLC
Legal Status: Private
Date Became Current: 20130401
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: BP WEST COAST PRODUCTS, LLC
Legal Status: Private
Date Became Current: 20020101
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: TESORO REFININF & MARKETING COMPANY LLC
Legal Status: Private
Date Became Current: 20130601
Date Ended Current: Not reported
Owner/Operator Address: 2350 E 223RD ST
Owner/Operator City,State,Zip: CARSON, CA 90810
Owner/Operator Telephone: 310-847-5762
Owner/Operator Telephone Ext: 5762
Owner/Operator Fax: Not reported
Owner/Operator Email: ROBERT.J.RIODAN@ANDEAVOR.COM

Owner/Operator Indicator: Operator
Owner/Operator Name: ARCO PRODUCTS CO
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 1801 E SEPULVEDA BLVD
Owner/Operator City,State,Zip: CARSON, CA 90749
Owner/Operator Telephone: 213-816-8100
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: TESORO REFINING & MARKETING COMPANY LLC
Legal Status: Private

TESORO CARSON REFINERY (Continued) **1015732785**

Date Became Current: 20130601
Date Ended Current: Not reported
Owner/Operator Address: 2350 E 223RD ST
Owner/Operator City,State,Zip: CARSON, CA 90810
Owner/Operator Telephone: 310-847-5641
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: KCFRANCO@MARATHONPETROLEUM.COM

Historic Generators:
Receive Date: 20100610
Handler Name: BP WEST COAST PRODUCTS LL., CARSON REFINERY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20120305
Handler Name: BP WEST COAST PRODUCTS, LLC, CARSON REFINERY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20140301
Handler Name: TESORO LOS ANGELES REFINERY - CARSON OPERATIONS
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20160218
Handler Name: TESORO LOS ANGELES REFINERY - CARSON OPPERATIONS
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No

TESORO CARSON REFINERY (Continued) **1015732785**

Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20180227
Handler Name: TESORO CARSON REFINERY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20200226
Handler Name: TESORO CARSON REFINERY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20220225
Handler Name: TESORO CARSON REFINERY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 19960901
Handler Name: B P WEST COAST PRODUCTS L L C
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Receive Date: 19800815
Handler Name: B P WEST COAST PRODUCTS L L C
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19800815
Handler Name: B P WEST COAST PRODUCTS L L C
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20011206
Handler Name: B P WEST COAST PRODUCTS L L C
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20130108
Handler Name: TESORO REFINING AND MARKETING CO LLC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20130605
Handler Name: CARSON REFINERY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes

TESORO CARSON REFINERY (Continued) **1015732785**

Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20130724
Handler Name: TESORO LOS ANGELES REFINERY CARSON OPERATIONS
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20190906
Handler Name: TESORO CARSON REFINERY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20220207
Handler Name: TESORO CARSON REFINERY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 19900501
Handler Name: ARCO PETROLEUM PRODUCTS CO
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No

TESORO CARSON REFINERY (Continued) **1015732785**

Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19920331
Handler Name: ARCO PRODUCTS COMPANY LOS ANGELES REFINE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19940329
Handler Name: ARCO PRODUCTS COMPANY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19960326
Handler Name: ARCO PRODUCTS COMPANY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19990304
Handler Name: ARCO PRODUCTS COMPANY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20001012
Handler Name: ARCO LOS ANGELES REFINERY

TESORO CARSON REFINERY (Continued) **1015732785**

Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20020215
Handler Name:	BP WEST COAST PRODUCTS LLC CARSON REFINE
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	Yes
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20040225
Handler Name:	BP WEST COAST PRODUCTS-CARSON REFINERY
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	Yes
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20060227
Handler Name:	BP WEST COAST PRODUCTS - CARSON REFINERY
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	Yes
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20080227
Handler Name:	BP WEST COAST PRODUCTS LLC, BP CARSON REFINERY
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	Yes
Recognized Trader Importer:	No
Recognized Trader Exporter:	No

TESORO CARSON REFINERY (Continued) **1015732785**

Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 32411
NAICS Description: PETROLEUM REFINERIES

NAICS Code: 324110
NAICS Description: PETROLEUM REFINERIES

Has the Facility Received Notices of Violations:
Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - Pre-transport
Date Violation was Determined: 20190606
Actual Return to Compliance Date: 20190703
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 20090629

TESORO CARSON REFINERY (Continued) **1015732785**

Actual Return to Compliance Date:	20091222
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	511
Date of Enforcement Action:	20090720
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Closure/Post-Closure
Date Violation was Determined:	19910327
Actual Return to Compliance Date:	19931220
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	005
Date of Enforcement Action:	19910510
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL

TESORO CARSON REFINERY (Continued) **1015732785**

Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	20031113
Actual Return to Compliance Date:	20040223
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	506
Date of Enforcement Action:	20031113
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19910327
Actual Return to Compliance Date: 19931220
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 006
Date of Enforcement Action: 19910910
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 137500
Final Monetary Amount: 62000
Paid Amount: 62000
Final Count: 1
Final Amount: 62000

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Closure/Post-Closure
Date Violation was Determined: 19880504

TESORO CARSON REFINERY (Continued) **1015732785**

Actual Return to Compliance Date: 19910621
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19880708
Enforcement Identifier: 004
Date of Enforcement Action: 19880606
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 20030304
Actual Return to Compliance Date: 20040223
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 505
Date of Enforcement Action: 20030304
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19870811
Actual Return to Compliance Date: 19870902
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19870901
Enforcement Identifier: 003
Date of Enforcement Action: 19870820
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Closure/Post-Closure
Date Violation was Determined: 19910327
Actual Return to Compliance Date: 19931220
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 006
Date of Enforcement Action: 19910910
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE

TESORO CARSON REFINERY (Continued) **1015732785**

Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	137500
Final Monetary Amount:	62000
Paid Amount:	62000
Final Count:	1
Final Amount:	62000

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Manifest
Date Violation was Determined:	20060511
Actual Return to Compliance Date:	20060512
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	200
Date of Enforcement Action:	20060719
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL

TESORO CARSON REFINERY (Continued) **1015732785**

Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	20190606

TESORO CARSON REFINERY (Continued) **1015732785**

Actual Return to Compliance Date:	20190703
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20020220

TESORO CARSON REFINERY (Continued) **1015732785**

Actual Return to Compliance Date:	20020306
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	503
Date of Enforcement Action:	20020424
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 20030304
Actual Return to Compliance Date: 20040223
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 200
Date of Enforcement Action: 20030304
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 20170906

TESORO CARSON REFINERY (Continued) **1015732785**

Actual Return to Compliance Date:	20170921
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	306
Date of Enforcement Action:	20170908
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20171107
Actual Return to Compliance Date:	20171107
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 20031113
Actual Return to Compliance Date: 20040223
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 200
Date of Enforcement Action: 20031113
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 20031113
Actual Return to Compliance Date: 20040223
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 200
Date of Enforcement Action: 20031113
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Transporters - General
Date Violation was Determined: 19880504

TESORO CARSON REFINERY (Continued) **1015732785**

Actual Return to Compliance Date:	19910621
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19880708
Enforcement Identifier:	004
Date of Enforcement Action:	19880606
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - General
Date Violation was Determined: 19850925

TESORO CARSON REFINERY (Continued) **1015732785**

Actual Return to Compliance Date:	19851227
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	20100426
Actual Return to Compliance Date:	20100907
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	512
Date of Enforcement Action:	20100503
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - Manifest
Date Violation was Determined: 20060511
Actual Return to Compliance Date: 20060512
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 508
Date of Enforcement Action: 20060530
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - Pre-transport
Date Violation was Determined: 20160623

TESORO CARSON REFINERY (Continued) **1015732785**

Actual Return to Compliance Date:	20160808
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19840418
Actual Return to Compliance Date:	19910621
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 19880504

TESORO CARSON REFINERY (Continued) **1015732785**

Actual Return to Compliance Date: 19910621
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19880708
Enforcement Identifier: 004
Date of Enforcement Action: 19880606
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 20090629
Actual Return to Compliance Date: 20091222
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 200
Date of Enforcement Action: 20090720
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL

TESORO CARSON REFINERY (Continued) **1015732785**

Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 20080701
Actual Return to Compliance Date: 20080721
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 20170906
Actual Return to Compliance Date: 20170921
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 518
Date of Enforcement Action: 20171103
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 20060605

TESORO CARSON REFINERY (Continued) **1015732785**

Actual Return to Compliance Date:	20070307
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	509
Date of Enforcement Action:	20060606
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	20031113
Actual Return to Compliance Date:	20040223
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	506
Date of Enforcement Action:	20031113
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Transporters - General
Date Violation was Determined: 19870811
Actual Return to Compliance Date: 19870902
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19870901
Enforcement Identifier: 003
Date of Enforcement Action: 19870820
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20170906
Actual Return to Compliance Date:	20170921
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	518
Date of Enforcement Action:	20171103
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19880504

TESORO CARSON REFINERY (Continued) **1015732785**

Actual Return to Compliance Date:	19910621
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19880708
Enforcement Identifier:	004
Date of Enforcement Action:	19880606
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20170906
Actual Return to Compliance Date:	20170921
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	306
Date of Enforcement Action:	20170908
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL

TESORO CARSON REFINERY (Continued) **1015732785**

Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 20020220
Actual Return to Compliance Date: 20020306
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 200
Date of Enforcement Action: 20020222
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Transporters - General
Date Violation was Determined: 19910327

TESORO CARSON REFINERY (Continued) **1015732785**

Actual Return to Compliance Date: 19931220
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 005
Date of Enforcement Action: 19910510
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 20060605
Actual Return to Compliance Date: 20070307
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 200
Date of Enforcement Action: 20060606
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL

TESORO CARSON REFINERY (Continued) **1015732785**

Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19910327

TESORO CARSON REFINERY (Continued) **1015732785**

Actual Return to Compliance Date: 19931220
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 005
Date of Enforcement Action: 19910510
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Transporters - General
Date Violation was Determined: 19910327
Actual Return to Compliance Date: 19931220
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 006
Date of Enforcement Action: 19910910
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 137500
Final Monetary Amount: 62000
Paid Amount: 62000
Final Count: 1
Final Amount: 62000

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - General
Date Violation was Determined: 19860129

TESORO CARSON REFINERY (Continued) **1015732785**

Actual Return to Compliance Date:	19860314
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19860314
Actual Return to Compliance Date:	19860805
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	002
Date of Enforcement Action:	19860805
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL

TESORO CARSON REFINERY (Continued) **1015732785**

Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20160623

TESORO CARSON REFINERY (Continued) **1015732785**

Actual Return to Compliance Date:	20160808
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19850807
Actual Return to Compliance Date:	19850913
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19850907
Enforcement Identifier:	001
Date of Enforcement Action:	19850807
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL

TESORO CARSON REFINERY (Continued) **1015732785**

Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 20100426
Actual Return to Compliance Date: 20100907
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 300
Date of Enforcement Action: 20100503
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:
Evaluation Date: 20190606
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20190703
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20090629
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20091222
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19910327
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19931220
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19861010
Evaluation Responsible Agency: State

TESORO CARSON REFINERY (Continued) **1015732785**

Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20150204
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20031113
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20040223
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19910327
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19931220
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19880504
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19910621

TESORO CARSON REFINERY (Continued) **1015732785**

Scheduled Compliance Date:	19880708
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20030304
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20040223
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19870811
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19870902
Scheduled Compliance Date:	19870901
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20220419
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19910327
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19931220
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Evaluation Date:	19930112
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20171115
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20060511
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20060512
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19950123
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	GROUNDWATER MONITORING EVALUATION
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20190606
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20190703
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20120503
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20151021
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20020220
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20020306
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19851227
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20030304
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20040223
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20170906
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20170921
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19870930
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20090526
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20141021
Evaluation Responsible Agency: State

TESORO CARSON REFINERY (Continued) **1015732785**

Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20171107
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20171107
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20080701
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19860805
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19990511
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20031113
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20040223
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20111019
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19950323
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20031113
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20040223
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Evaluation Date:	19880504
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19910621
Scheduled Compliance Date:	19880708
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19860717
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	GROUNDWATER MONITORING EVALUATION
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20010124
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19850211
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19860723
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA

TESORO CARSON REFINERY (Continued) **1015732785**

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19870811
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	NON-FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19850925
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19851227
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20100426
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20100907
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20060511
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20060512
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20160623
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20160808
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19840418
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19910621
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20221006
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: CUPA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19880504
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19910621
Scheduled Compliance Date: 19880708
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20090629
Evaluation Responsible Agency: State

TESORO CARSON REFINERY (Continued) **1015732785**

Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20091222
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20080701
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	CUPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20080721
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19850604
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20000223
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20170906
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20170921

TESORO CARSON REFINERY (Continued) **1015732785**

Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20060605
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20070307
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20031113
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20040223
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19870811
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19870902
Scheduled Compliance Date:	19870901
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20220517
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Evaluation Date:	20170906
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20170921
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20090526
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19880504
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19910621
Scheduled Compliance Date:	19880708
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20170906
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20170921
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20020220
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20020306
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19910327
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19931220
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20060605
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20070307
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20090414
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19910327
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19931220
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20190703
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: CUPA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19910327
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19931220
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19860129
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9EPA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19860314
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19860314
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19860805
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20021022
Evaluation Responsible Agency: State

TESORO CARSON REFINERY (Continued) **1015732785**

Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20160623
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20160808
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19850807
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19850913
Scheduled Compliance Date:	19850907
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20100426
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20100907
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19880525
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20040402
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

TESORO CARSON REFINERY (Continued) **1015732785**

US FIN ASSUR:

Name:	TESORO CARSON REFINERY
Address:	1801 SEPULVEDA BLVD
City,State,Zip:	CARSON, CA
EPA ID:	CAD077227049
County:	Not reported
Mechanism type:	L
Mechanism Type Description:	LETTER OF CREDIT
Cost estimate:	24113649
Face value:	28375261
Effective date:	2011-01-31 00:00:00
Provider:	BP
EPA region:	9

Name:	TESORO CARSON REFINERY
Address:	1801 SEPULVEDA BLVD
City,State,Zip:	CARSON, CA
EPA ID:	CAD077227049
County:	Not reported
Mechanism type:	I
Mechanism Type Description:	INSURANCE
Cost estimate:	8000000
Face value:	8000000
Effective date:	2011-01-01 00:00:00
Provider:	ACE AMERICAN INSURANCE COMPANY
EPA region:	9

Name:	TESORO CARSON REFINERY
Address:	1801 SEPULVEDA BLVD
City,State,Zip:	CARSON, CA
EPA ID:	CAD077227049
County:	Not reported
Mechanism type:	L
Mechanism Type Description:	LETTER OF CREDIT
Cost estimate:	10660000
Face value:	29936000
Effective date:	2015-03-23 00:00:00
Provider:	JP MORGAN CHASE
EPA region:	9

Name:	TESORO CARSON REFINERY
Address:	1801 SEPULVEDA BLVD
City,State,Zip:	CARSON, CA
EPA ID:	CAD077227049
County:	Not reported
Mechanism type:	X
Mechanism Type Description:	STANDBY TRUST FUND
Cost estimate:	10660000
Face value:	0
Effective date:	2013-09-06 00:00:00
Provider:	FROST BANK, INC.
EPA region:	9

2020 COR ACTION:

EPA ID:	CAD077227049
Region:	9

TESORO CARSON REFINERY (Continued) **1015732785**

Action: Not reported

S88 **BP CARSON REFINERY** **ENVIROSTOR** **S101480683**
WSW **1801 SEPULVEDA** **CHMIRS** **N/A**
1/2-1 **CARSON, CA 90749** **CIWQS**
0.680 mi.
3593 ft. **Site 2 of 4 in cluster S**

Relative:
Higher

Actual:
32 ft.

ENVIROSTOR:

Name:	ARCO PETROLEUM PRODUCTS COMPANY - WATSON
Address:	1801 EAST SEPULVEDA BOULEVARD
City,State,Zip:	CARSON, CA 90745
Facility ID:	19290015
Status:	Refer: RCRA
Status Date:	08/28/1995
Site Code:	400006
Site Type:	Historical
Site Type Detailed:	* Historical
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	* Mmonroy
Division Branch:	Cleanup Cypress
Assembly:	64
Senate:	35
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.81342
Longitude:	-118.2433
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	ATLANTIC RICHFIELD COMPANY
Alias Type:	Alternate Name
Alias Name:	BP WEST COAST PRODUCTS LLC
Alias Type:	Alternate Name
Alias Name:	FOUR CORNERS PIPELINE CO - CARSON
Alias Type:	Alternate Name
Alias Name:	WATSON REFINERY, ARCO PETROLEUM PRODUCTS
Alias Type:	Alternate Name
Alias Name:	CAD077227049
Alias Type:	EPA Identification Number
Alias Name:	110017428988
Alias Type:	EPA (FRS #)
Alias Name:	CAD000628412
Alias Type:	HWTS Identification Code
Alias Name:	400006
Alias Type:	Project Code (Site Code)
Alias Name:	19290015
Alias Type:	Envirostor ID Number

Completed Info:

BP CARSON REFINERY (Continued) **S101480683**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 06/03/1981
Comments: FACILITY IDENTIFIED REVIEWED COUNTY ENG. RECORDS

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 03/06/1995
Comments: DATABASE VALIDATION PROGRAM CONFIRMS NFA FOR DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 05/19/1989
Comments: SITE SCREENING DONE FIT COMPLETED PA REASSESSMENT ON 10/5/88 AND RECOMMENDED NFA UNDER CERCLA, FACI- LITY IS RCRA REGULATED AND BEING HANDLED BY RWQCB

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

CHMIRS:
Name: Not reported
Address: 1801 EAST SEPULVEDA BLVD
City,State,Zip: CARSON, CA
OES Incident Number: 10-0422
OES notification: 01/19/2010
OES Date: Not reported
OES Time: Not reported
Date Completed: **Not reported**
Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported
Time Completed: Not reported
Surrounding Area: Not reported
Estimated Temperature: Not reported
Property Management: Not reported
More Than Two Substances Involved?: Not reported
Resp Agncy Personel # Of Decontaminated: Not reported
Responding Agency Personel # Of Injuries: Not reported
Responding Agency Personel # Of Fatalities: Not reported
Others Number Of Decontaminated: Not reported
Others Number Of Injuries: Not reported
Others Number Of Fatalities: Not reported
Vehicle Make/year: Not reported
Vehicle License Number: Not reported
Vehicle State: Not reported

BP CARSON REFINERY (Continued) **S101480683**

Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	Dominguez Channel
Spill Site:	Refinery
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	N/A
Other:	Not reported
Date/Time:	1445
Year:	2010
Agency:	BP Carson
Incident Date:	1/19/2010
Admin Agency:	LACoFD Health Haz-Mat
Amount:	Not reported
Contained:	Unknown
Site Type:	Dominguez Channel
E Date:	Not reported
Substance:	Sheen
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Per caller, the outfalls were open and it is unknown where the source of the sheen is. The sheen size is unknown.

Name:	Not reported
Address:	1801 EAST SEPULVEDA
City,State,Zip:	CARSON, CA
OES Incident Number:	3-3000
OES notification:	06/12/2003
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported

BP CARSON REFINERY (Continued) **S101480683**

Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2003
Agency:	BP West Coast Prod.
Incident Date:	4/7/200312:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Refinery
E Date:	Not reported
Substance:	NOX
Gallons:	0.000000
Pounds:	55
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported

BP CARSON REFINERY (Continued) **S101480683**

Description:	**Historical event** Loss of De-NOX, caused release of NOX
Name:	Not reported
Address:	1801 SEPULVEDA BLVD
City,State,Zip:	CARSON, CA
OES Incident Number:	10-1165
OES notification:	02/14/2010
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Refinery
Cleanup By:	Unrecoverable
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Lbs.
Other:	Not reported
Date/Time:	1845
Year:	2010
Agency:	BP West Coast Products, LLC
Incident Date:	2/14/2010
Admin Agency:	LACoFD Health Haz-Mat
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	SOX
Quantity Released:	500
Unknown:	Not reported
Substance #2:	Not reported

BP CARSON REFINERY (Continued) **S101480683**

Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Per caller, flaring due to fuel gas imbalance.
Name:	Not reported
Address:	1801 EAST SEPULVEDA
City,State,Zip:	CARSON, CA 90745
OES Incident Number:	08-7386
OES notification:	10/13/2008
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Refinery
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Bbl.(s)
Other:	Not reported

BP CARSON REFINERY (Continued) **S101480683**

Date/Time:	1215
Year:	2008
Agency:	BP Carson Refinery
Incident Date:	10/13/2008
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Recovered Oil
Quantity Released:	2
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	RP states that over two barrels were found in a tank basin. The cause is undetermined at this time.

Name:	Not reported
Address:	1801 EAST SEPULVEDA
City,State,Zip:	CARSON, CA
OES Incident Number:	7-0582
OES notification:	02/09/1997
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported

BP CARSON REFINERY (Continued) **S101480683**

Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1997
Agency:	ARCO
Incident Date:	2/9/199712:00:00 AM
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Unknown
Site Type:	Refinery
E Date:	Not reported
Substance:	Unknown
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Fire in refinery/unknown if any substances were released
Name:	Not reported
Address:	1801 EAST SEPULVEDA
City,State,Zip:	CARSON, CA 90745
OES Incident Number:	0-3843
OES notification:	08/25/2000
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported

BP CARSON REFINERY (Continued) **S101480683**

Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	n/a
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2000
Agency:	ARCO
Incident Date:	8/25/200012:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	No
Site Type:	Refinery
E Date:	Not reported
Substance:	Nitrogen oxide
Gallons:	0.000000
Pounds:	15
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported

BP CARSON REFINERY (Continued) **S101480683**

Description:	Shutting down hydro-cracking unit and sending gas to flair.
Name:	Not reported
Address:	1801 EAST SEPULVEDA
City,State,Zip:	CARSON, CA 90749
OES Incident Number:	15069
OES notification:	Not reported
OES Date:	8/12/1996
OES Time:	06:48:44 AM
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	NO
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Not reported
Containment:	Not reported
What Happened:	Not reported
Type:	VAPOR
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1996
Agency:	arco
Incident Date:	1550 8/10/96
Admin Agency:	Not reported
Amount:	unspecified
Contained:	NO
Site Type:	REF
E Date:	Not reported
Substance:	hydrocarbons
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported

BP CARSON REFINERY (Continued) **S101480683**

Evacuations:	NO
Number of Injuries:	NO
Number of Fatalities:	NO
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	power ffailure
Name:	Not reported
Address:	1801 EAST SEPULVEDA BLVD
City,State,Zip:	CARSON, CA
OES Incident Number:	10-6969
OES notification:	11/19/2010
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Refinery
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Lbs.
Other:	Not reported
Date/Time:	1000

BP CARSON REFINERY (Continued) **S101480683**

Year:	2010
Agency:	BP Carson
Incident Date:	11/18/2010
Admin Agency:	LACoFD Health Haz-Mat
Amount:	Not reported
Contained:	Unknown
Site Type:	Not reported
E Date:	Not reported
Substance:	Hydrogen sulfide H2S
Quantity Released:	100
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	***POTENTIAL RELEASE ONLY*****Possible due to process malfunction. The incident is under investigation.
Name:	Not reported
Address:	1801 EAST SEPULVEDA
City,State,Zip:	CARSON, CA
OES Incident Number:	1-3290
OES notification:	06/07/2001
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported

BP CARSON REFINERY (Continued) **S101480683**

CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	N/A
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2001
Agency:	ARCO
Incident Date:	6/7/200112:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	No
Site Type:	Refinery
E Date:	Not reported
Substance:	NOX
Pounds:	86
Unknown:	0.000000
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	A shut down at the #6 coker drum resulted in process gas releasing to the flare The release is ongoing
Name:	Not reported
Address:	1801 EAST SEPULVEDA
City,State,Zip:	CARSON, CA 90745
OES Incident Number:	5-1310
OES notification:	02/26/2005
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported

BP CARSON REFINERY (Continued) **S101480683**

Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2005
Agency:	BP Carson Refinery
Incident Date:	2/26/200512:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Refinery
E Date:	Not reported
Substance:	Hydrogen
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Substance is being released to flare due to a

BP CARSON REFINERY (Continued) **S101480683**

valve on a compressor failing.

CIWQS:

Name:	BP CARSON REFINERY
Address:	1801 SEPULVEDA
City,State,Zip:	CARSON, CA 90749
Agency:	BP West Coast Products LLC
Agency Address:	2350 E 223rd St, Carson, CA 90810
Place/Project Type:	Industrial - Petroleum Refining
SIC/NAICS:	2911(+)
Region:	4
Program:	INDSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	4 19I001848
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	03/30/1992
Termination Date:	06/01/2013
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.81583
Longitude:	-118.23278

S89 **BP WEST COAST PRODUCTS LLC** **ENVIROSTOR** **S115779982**
WSW **1801 E SEPULVEDA BLVD** **N/A**
1/2-1 **CARSON, CA 90745**
0.680 mi.
3593 ft. **Site 3 of 4 in cluster S**

Relative:
Higher

Actual:
32 ft.

ENVIROSTOR:

Name:	BP WEST COAST PRODUCTS LLC
Address:	1801 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 907450000
Facility ID:	80001685
Status:	Refer: RWQCB
Status Date:	01/01/2008
Site Code:	400348
Site Type:	Corrective Action
Site Type Detailed:	Corrective Action
Acres:	0
NPL:	NO
Regulatory Agencies:	RWQCB 4 - Los Angeles
Lead Agency:	RWQCB 4 - Los Angeles
Program Manager:	Not reported
Supervisor:	Rizgar Ghazi
Division Branch:	Office of Permitting
Assembly:	64
Senate:	35
Special Program:	Not reported
Restricted Use:	NO

BP WEST COAST PRODUCTS LLC (Continued) **S115779982**

Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.80870
Longitude: -118.2369
APN: 7315006003
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: ARCO PETROLEUM PRODUCTS COMPANY - WATSON
Alias Type: Alternate Name
Alias Name: 7315006003
Alias Type: APN
Alias Name: CAD077227049
Alias Type: EPA Identification Number
Alias Name: 110017428988
Alias Type: EPA (FRS #)
Alias Name: 400348
Alias Type: Project Code (Site Code)
Alias Name: 19290015
Alias Type: Envirostor ID Number
Alias Name: 80001685
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Workplan
Completed Date: 02/25/1985
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 05/01/1985
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 09/01/1987
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 11/21/1988
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled
Completed Date: 09/09/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Human Exposure Controlled

BP WEST COAST PRODUCTS LLC (Continued) **S115779982**

Completed Date: 10/30/1997
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled
Completed Date: 10/30/1997
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled
Completed Date: 09/29/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Human Exposure Controlled
Completed Date: 05/31/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Questionnaire
Completed Date: 10/20/1997
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 11/21/1988
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Agreement
Completed Date: 08/20/1990
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 11/21/1988
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Remedy Construction Complete
Schedule Due Date: 06/30/2020
Schedule Revised Date: Not reported

S90 **TESORO CARSON REFINERY** **ICE** **S115811833**
WSW **1801 E SEPULVEDA BLVD** **HWP** **N/A**
1/2-1 **CARSON, CA 90745**
0.680 mi.
3593 ft. **Site 4 of 4 in cluster S**

Relative: Higher

Actual: 32 ft.

ICE:

Envirostor ID:	3000212
Name:	TESORO CARSON REFINERY
Address:	1801 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
EPA ID:	CAD077227049
Site Type:	INSPECTION
Facility Status:	No Action

Inspection:

Action Type:	Compliance Evaluation Inspection - Post-Closure
Action Date:	04/19/2022
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Financial Records Review - Post-Closure
Action Date:	05/17/2022
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Compliance Evaluation Inspection - Post-Closure
Action Date:	09/06/2017
Violation Class:	Class 2
RTC Date:	09/21/2017
Action Type:	Financial Records Review - Post-Closure
Action Date:	11/15/2017
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Focused Compliance Inspection - Treatment, Storage and Disposal
Action Date:	10/21/2015
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Financial Records Review - Post-Closure
Action Date:	02/04/2015
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Compliance Evaluation Inspection - Post-Closure
Action Date:	10/21/2014
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Financial Records Review - Post-Closure
Action Date:	05/03/2012
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Compliance Evaluation Inspection - Post-Closure
Action Date:	10/19/2011
Violation Class:	No Violations
RTC Date:	Not reported

TESORO CARSON REFINERY (Continued) **S115811833**

Action Type: Financial Records Review - Post-Closure
Action Date: 04/26/2010
Violation Class: Class 2
RTC Date: 09/07/2010

Action Type: Compliance Evaluation Inspection - Post-Closure
Action Date: 05/11/1999
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Post-Closure
Action Date: 02/20/2002
Violation Class: Minor
RTC Date: 03/06/2002

Action Type: Financial Records Review - Post-Closure
Action Date: 06/29/2009
Violation Class: Class 2
RTC Date: 12/22/2009

Action Type: Compliance Evaluation Inspection - Post-Closure
Action Date: 04/14/2009
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Post-Closure
Action Date: 02/23/2000
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 03/04/2003
Violation Class: Minor
RTC Date: 02/23/2004

Action Type: Compliance Evaluation Inspection - Post-Closure
Action Date: 10/22/2002
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Post-Closure
Action Date: 01/24/2001
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 04/02/2004
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 11/13/2003
Violation Class: Class 2, Minor
RTC Date: 02/23/2004

Action Type: Financial Records Review - Post-Closure
Action Date: 06/05/2006

TESORO CARSON REFINERY (Continued) **S115811833**

Violation Class: Class 2
RTC Date: 03/07/2007

Action Type: Compliance Evaluation Inspection - Post-Closure
Action Date: 05/11/2006
Violation Class: Minor
RTC Date: 05/12/2006

HWP:
EPA ID: CAD077227049
Name: TESORO CARSON REFINERY
Address: 1801 E SEPULVEDA BLVD
Cleanup Status: POST CLOSURE PERMIT
Latitude: 33.80870
Longitude: -118.2369
Facility Type: Post-Closure Permitted
Facility Size: Large Postclosure
Supervisor: PHILLIP BLUM
Site Code: 400348
Senate District: 35
Assembly District: 64
Public Information Officer: Not reported
Commercial Offsite Facility Types: Not reported
Quarterly Update: TESORO CARSON QUARTERLY UPDATE: Quarterly Update Period: July 1, 2022 to September 30, 2022 The permit is currently in permit maintenance. FACILITY DESCRIPTION/ HISTORY The Tesoro Refining & Marketing Company LLC, Carson Refinery (Facility) is located at 1801 East Sepulveda Boulevard in Carson, California. Also, the Facility has been using the 2350 E. 223rd Street, Carson, California 90810 address since their administrative Offices are in the main Campus Building. The Refinery and the surrounding area are zoned for heavy manufacturing. The Facility is bordered by Wilmington Avenue to the west, 223rd Street on the north, Dominguez Channel and Alameda Street on the east and Sepulveda Boulevard on the south. Surrounding land use is primarily heavy manufacturing except for two areas. South of Sepulveda Boulevard and west of Wilmington Avenue are single family residences. North of 223rd Street and along the 405 freeway there are commercial automotive businesses. The Facility is situated in an industrial area and is surrounded by a variety of manufacturing and petroleum-refining and storage facilities. The Facility currently has the capacity to process approximately 260,000 barrels of crude oil per day to make gasoline, jet fuel, diesel, liquefied petroleum gas (LPG), sulfur, and petroleum coke. A cogeneration plant, located on site, produces power to supply the Refinery and to export to utilities. The Facility currently operates the East and West Retention Basins as surface impoundments for emergency management of non-hazardous waters, including stormwater and mixed process water during large storm events. Fire deluge (the fire deluge water stream) is occasionally routed to the East Retention Basin. Water temporarily stored in the basins is discharged to the Facility s wastewater treatment system and subsequently discharged to the Los Angeles County Sanitation District sewers. PERMITTING REGULATORY DESCRIPTION/ HISTORY Petroleum refining operations have been conducted at the site since 1923 when the Pan American Petr
Project Manager Lead: NADINE DOUGHMAN
Project Manager: NADINE DOUGHMAN
Permit Type: RCRA

TESORO CARSON REFINERY (Continued) **S115811833**

Permit Effective Date: 11/16/2015 (PC),
Permit Expiration Date: 11/15/2025 (PC),
Calenviroscreen Score: NA
Total Planned Hours: Not reported
Total Planned Amount: Not reported
Total Actual Hours: Not reported

Activities:
EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: NADINE DOUGHMAN
Project Manager Lead: NADINE DOUGHMAN
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: PC Renewal PC - With Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2015-10-15 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: Not reported
Comments: The submittal date of the Application is 9/27/2012
Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: PC Renewal PC - With Changes - APPLICATION PART B RECEIVED
Actual Date: 10/01/2012

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: NADINE DOUGHMAN
Project Manager Lead: NADINE DOUGHMAN
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: *Mod Class 1* - Prior Approval Required
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2013-08-05 00:00:00
Type: RCRA
Title Description: Change of Ownership
Due Date: Not reported
Comments: Not reported
Unit Names: Not reported
Event Description: *Mod Class 1* - Prior Approval Required - DISCLOSURE (CLEARED)
Actual Date: 08/18/2008

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: NADINE DOUGHMAN
Project Manager Lead: NADINE DOUGHMAN
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1995-09-26 00:00:00
Type: RCRA

TESORO CARSON REFINERY (Continued) **S115811833**

Title Description: Application for a Operating Permit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFSTR1-East Basin (GPRA Unit)
Event Description: New Operating Permit - APPLICATION PART A RECEIVED
Actual Date: 09/25/1990

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: NADINE DOUGHMAN
Project Manager Lead: NADINE DOUGHMAN
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: PC Renewal PC - With Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2015-10-15 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: Not reported
Comments: Not reported
Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: PC Renewal PC - With Changes - PUBLIC COMMENT (END)
Actual Date: 09/30/2015

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: NADINE DOUGHMAN
Project Manager Lead: NADINE DOUGHMAN
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: PC Renewal PC - With Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2015-10-15 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: Not reported
Comments: Not reported
Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: PC Renewal PC - With Changes - PUBLIC COMMENT (PUBLIC MEETING)
Actual Date: 08/27/2015

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: NADINE DOUGHMAN
Project Manager Lead: NADINE DOUGHMAN
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: *Mod Class 1* - Prior Approval Required
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2013-08-05 00:00:00
Type: RCRA

TESORO CARSON REFINERY (Continued) **S115811833**

Title Description: Change of Ownership
Due Date: Not reported
Comments: Not reported
Unit Names: Not reported
Event Description: *Mod Class 1* - Prior Approval Required - MAILING LIST
Actual Date: 05/17/2013

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: NADINE DOUGHMAN
Project Manager Lead: NADINE DOUGHMAN
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: PC Renewal PC - With Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2015-10-15 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: Not reported
Comments: Not reported
Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: PC Renewal PC - With Changes - 3RD NOTICE OF DEFICIENCY ISSUED
Actual Date: 05/12/2014

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: NADINE DOUGHMAN
Project Manager Lead: NADINE DOUGHMAN
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: *Mod Class 1* - Prior Approval Required
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2013-08-05 00:00:00
Type: RCRA
Title Description: Change of Ownership
Due Date: Not reported
Comments: Not reported
Unit Names: Not reported
Event Description: *Mod Class 1* - Prior Approval Required - FINAL PERMIT MODIFICATION (EXPIRES)
Actual Date: 01/26/2014

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: NADINE DOUGHMAN
Project Manager Lead: NADINE DOUGHMAN
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: PC Renewal PC - With Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2015-10-15 00:00:00

TESORO CARSON REFINERY (Continued) **S115811833**

Type: RCRA
Title Description: Post Closure 2
Due Date: Not reported
Comments: Not reported
Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: PC Renewal PC - With Changes - 1ST NOTICE OF DEFICIENCY ISSUED
Actual Date: 04/04/2013

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: NADINE DOUGHMAN
Project Manager Lead: NADINE DOUGHMAN
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: PC Renewal PC - With Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2015-10-15 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: 08/29/2015
Comments: The draft permit was sent to the attorney on 12/23/2014 for review. The draft fact sheet and public notice was provided to PPS per work request on 12/31/2014. The draft permit was resent to the attorney on 6/1/2015 and have not received comments from attorney as of 6/4/2015. The draft LUC was sent to the supervisor for review on 9/29/2014 and no comments as of 6/4/2015. Post Closure Cost Estimate was sent to the Engineering Services on 10/30/2014 and no comments has been received as of 6/4/2015.
Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: PC Renewal PC - With Changes - DRAFT POST-CLOSURE PERMIT
Actual Date: 08/12/2015

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: NADINE DOUGHMAN
Project Manager Lead: NADINE DOUGHMAN
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: PC Renewal PC - With Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2015-10-15 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: 11/30/2015
Comments: Not reported
Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: PC Renewal PC - With Changes - FINAL POST-CLOSURE PERMIT
Actual Date: 10/15/2015

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: NADINE DOUGHMAN

TESORO CARSON REFINERY (Continued) **S115811833**

Project Manager Lead:	NADINE DOUGHMAN
Supervisor:	PHILLIP BLUM
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	PC Renewal PC - With Changes
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	2015-10-15 00:00:00
Type:	RCRA
Title Description:	Post Closure 2
Due Date:	Not reported
Comments:	Received response to comments dated 6/17/2014. On 9/29/2014 a copy of draft LUC was provided to Supervisor for review. As of Dec 24, 2014 supervisor has not responded or commented on draft LUC. PC cost estimate sent to ES on 10/30/2014. Received revisions to the post closure permit application dated 12/9/2014. On Dec 18, 2014, DTSC attorney responded to 8/21/2014 letter from facility regarding Financial Assurance. Draft post closure permit and LUC were sent to attorney for review on Dec23, 2014.
Unit Names:	SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description:	PC Renewal PC - With Changes - RESPONSE TO 3RD NOD RECEIVED
Actual Date:	06/17/2014

EPA ID:	CAD077227049
Facility Type:	Post-Closure Permitted
Facility Name:	TESORO CARSON REFINERY
Project Manager:	NADINE DOUGHMAN
Project Manager Lead:	NADINE DOUGHMAN
Supervisor:	PHILLIP BLUM
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	PC Renewal PC - With Changes
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	2015-10-15 00:00:00
Type:	RCRA
Title Description:	Post Closure 2
Due Date:	11/30/2012
Comments:	The Part A is dated 9/25/2012
Unit Names:	SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description:	PC Renewal PC - With Changes - APPLICATION PART A RECEIVED
Actual Date:	10/01/2012

EPA ID:	CAD077227049
Facility Type:	Post-Closure Permitted
Facility Name:	TESORO CARSON REFINERY
Project Manager:	NADINE DOUGHMAN
Project Manager Lead:	NADINE DOUGHMAN
Supervisor:	PHILLIP BLUM
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	New Operating Permit
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	1995-09-26 00:00:00
Type:	RCRA
Title Description:	Application for a Operating Permit
Due Date:	Not reported
Comments:	Not reported
Unit Names:	SURFSTR1-East Basin (GPRA Unit)

TESORO CARSON REFINERY (Continued) **S115811833**

Event Description: New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST RECEIVED
Actual Date: 09/26/1995

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: NADINE DOUGHMAN
Project Manager Lead: NADINE DOUGHMAN
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1995-09-26 00:00:00
Type: RCRA
Title Description: Application for a Operating Permit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFSTR1-East Basin (GPRA Unit)
Event Description: New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST ACKNOWLEDGED
Actual Date: 09/26/1995

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: NADINE DOUGHMAN
Project Manager Lead: NADINE DOUGHMAN
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: PC Renewal PC - With Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2015-10-15 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: Not reported
Comments: Not reported
Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: PC Renewal PC - With Changes - INITIAL ADMINISTRATIVE REVIEW COMPLETED
Actual Date: 10/29/2012

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: NADINE DOUGHMAN
Project Manager Lead: NADINE DOUGHMAN
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: PC Renewal PC - With Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2015-10-15 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: Not reported
Comments: Received Tesoro revised post closure application (formerly BP) dated September 2013, with cover letter dated 11/25/2013 on 11/26/2013.

TESORO CARSON REFINERY (Continued) **S115811833**

Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: PC Renewal PC - With Changes - RESPONSE TO 2ND NOD RECEIVED
Actual Date: 11/26/2013

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: NADINE DOUGHMAN
Project Manager Lead: NADINE DOUGHMAN
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: PC Renewal PC - With Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2015-10-15 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: 08/12/2015
Comments: Not reported
Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: PC Renewal PC - With Changes - PUBLIC COMMENT (BEGIN)
Actual Date: 08/12/2015

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: NADINE DOUGHMAN
Project Manager Lead: NADINE DOUGHMAN
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: PC Renewal PC - With Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2015-10-15 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: Not reported
Comments: Sent the Second NOD to New Owner.
Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: PC Renewal PC - With Changes - 2ND NOTICE OF DEFICIENCY ISSUED
Actual Date: 10/17/2013

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: NADINE DOUGHMAN
Project Manager Lead: NADINE DOUGHMAN
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1988-09-29 00:00:00
Type: RCRA
Title Description: Initial Operating Permit
Due Date: Not reported
Comments: Not reported

TESORO CARSON REFINERY (Continued) **S115811833**

Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: New Operating Permit - APPLICATION PART B RECEIVED
Actual Date: 05/24/1983

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: NADINE DOUGHMAN
Project Manager Lead: NADINE DOUGHMAN
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1988-09-29 00:00:00
Type: RCRA
Title Description: Initial Operating Permit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST ACKNOWLEDGED
Actual Date: 09/29/1988

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: NADINE DOUGHMAN
Project Manager Lead: NADINE DOUGHMAN
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: *Mod Class 1* - Prior Approval Required
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2013-08-05 00:00:00
Type: RCRA
Title Description: Change of Ownership
Due Date: Not reported
Comments: Not reported
Unit Names: Not reported
Event Description: *Mod Class 1* - Prior Approval Required - FINAL PERMIT MODIFICATION
Actual Date: 08/05/2013

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: NADINE DOUGHMAN
Project Manager Lead: NADINE DOUGHMAN
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: PC Renewal PC - With Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2015-10-15 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: Not reported
Comments: Not reported

TESORO CARSON REFINERY (Continued) **S115811833**

Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: PC Renewal PC - With Changes - FINAL POST-CLOSURE PERMIT (EXPIRES)
Actual Date: 11/15/2025

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: NADINE DOUGHMAN
Project Manager Lead: NADINE DOUGHMAN
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: PC Renewal PC - With Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2015-10-15 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: Not reported
Comments: Received revised PC Application from BP Carson Facility. As of 6/1/2013 the facility was transfered to Tesoro Refining and Marketing LLC. Tesoro will revise the application due to new ownership.
Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: PC Renewal PC - With Changes - RESPONSE TO 1ST NOD RECEIVED
Actual Date: 05/28/2013

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: NADINE DOUGHMAN
Project Manager Lead: NADINE DOUGHMAN
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1995-09-26 00:00:00
Type: RCRA
Title Description: Application for a Operating Permit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFSTR1-East Basin (GPRA Unit)
Event Description: New Operating Permit - APPLICATION PART B RECEIVED
Actual Date: 09/23/1991

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: NADINE DOUGHMAN
Project Manager Lead: NADINE DOUGHMAN
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: PC Renewal PC - With Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2015-10-15 00:00:00
Type: RCRA
Title Description: Post Closure 2

TESORO CARSON REFINERY (Continued) **S115811833**

Due Date: 08/01/2015
Comments: Not reported
Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: PC Renewal PC - With Changes - FINAL PART A & PART B RECEIVED
Actual Date: 07/30/2015

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: NADINE DOUGHMAN
Project Manager Lead: NADINE DOUGHMAN
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: PC Renewal PC - With Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2015-10-15 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: Not reported
Comments: Not reported
Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: PC Renewal PC - With Changes - DRAFT CEQA
Actual Date: 07/30/2015

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: NADINE DOUGHMAN
Project Manager Lead: NADINE DOUGHMAN
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1988-09-29 00:00:00
Type: RCRA
Title Description: Initial Operating Permit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: New Operating Permit - APPLICATION PART A RECEIVED
Actual Date: 11/18/1980

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: NADINE DOUGHMAN
Project Manager Lead: NADINE DOUGHMAN
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: *Mod Class 1* - Prior Approval Required
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2013-08-05 00:00:00
Type: RCRA
Title Description: Change of Ownership

TESORO CARSON REFINERY (Continued) **S115811833**

Due Date: Not reported
Comments: Not reported
Unit Names: Not reported
Event Description: *Mod Class 1* - Prior Approval Required - PUBLIC NOTICE BY PERMITTEE
Actual Date: 05/17/2013

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: NADINE DOUGHMAN
Project Manager Lead: NADINE DOUGHMAN
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: PC Renewal PC - With Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2015-10-15 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: Not reported
Comments: Not reported
Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: PC Renewal PC - With Changes - FINAL POST-CLOSURE PERMIT (EFFECTIVE)
Actual Date: 11/16/2015

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: NADINE DOUGHMAN
Project Manager Lead: NADINE DOUGHMAN
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: PC Renewal PC - With Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2015-10-15 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: 08/01/2015
Comments: Not reported
Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: PC Renewal PC - With Changes - TECHNICAL COMPLETE LETTER
Actual Date: 07/30/2015

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: NADINE DOUGHMAN
Project Manager Lead: NADINE DOUGHMAN
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: *Mod Class 1* - Prior Approval Required
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2013-08-05 00:00:00
Type: RCRA
Title Description: Change of Ownership

TESORO CARSON REFINERY (Continued) **S115811833**

Due Date: Not reported
Comments: Not reported
Unit Names: Not reported
Event Description: *Mod Class 1* - Prior Approval Required - FINAL PERMIT MODIFICATION (EFFECTIVE)
Actual Date: 08/05/2013

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: NADINE DOUGHMAN
Project Manager Lead: NADINE DOUGHMAN
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: PC Renewal PC - With Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2015-10-15 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: Not reported
Comments: Not reported
Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: PC Renewal PC - With Changes - CEQA DETERMINATION
Actual Date: 10/15/2015

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: NADINE DOUGHMAN
Project Manager Lead: NADINE DOUGHMAN
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: *Mod Class 1* - Prior Approval Required
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2013-08-05 00:00:00
Type: RCRA
Title Description: Change of Ownership
Due Date: Not reported
Comments: Not reported
Unit Names: Not reported
Event Description: *Mod Class 1* - Prior Approval Required - CEQA DETERMINATION
Actual Date: 08/05/2013

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: NADINE DOUGHMAN
Project Manager Lead: NADINE DOUGHMAN
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: PC Renewal PC - With Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2015-10-15 00:00:00
Type: RCRA

TESORO CARSON REFINERY (Continued) **S115811833**

Title Description: Post Closure 2
Due Date: Not reported
Comments: DTSC approved extension to submit PC Application till 9/28/2012
Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: PC Renewal PC - With Changes - CALL-IN LETTER ISSUED
Actual Date: 12/15/2011

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: NADINE DOUGHMAN
Project Manager Lead: NADINE DOUGHMAN
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1988-09-29 00:00:00
Type: RCRA
Title Description: Initial Operating Permit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: New Operating Permit - CALL-IN LETTER ISSUED
Actual Date: 02/02/1983

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: NADINE DOUGHMAN
Project Manager Lead: NADINE DOUGHMAN
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: PC Renewal PC - With Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2015-10-15 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: Not reported
Comments: Not reported
Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: PC Renewal PC - With Changes - FINAL CEQA
Actual Date: 10/15/2015

Closure:
EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: NADINE DOUGHMAN
Project Manager Lead: NADINE DOUGHMAN
Supervisor: PHILLIP BLUM
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: Closure Final
Final Date: Not reported
Type: RCRA

TESORO CARSON REFINERY (Continued) **S115811833**

Title Description: Closure of SURFSTR1-EAST BASIN, WASTPILE1-WEST BASIN
Due Date: Not reported
Comments: Not reported
Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: Closure Final - 2ND NOTICE OF DEFICIENCY ISSUED
Actual Date: 11/15/1995

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: NADINE DOUGHMAN
Project Manager Lead: NADINE DOUGHMAN
Supervisor: PHILLIP BLUM
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: Closure Final
Final Date: Not reported
Type: RCRA
Title Description: Closure of SURFSTR1-EAST BASIN, WASTPILE1-WEST BASIN
Due Date: Not reported
Comments: Not reported
Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: Closure Final - RESPONSE TO 2ND NOD RECEIVED
Actual Date: 12/01/1995

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: NADINE DOUGHMAN
Project Manager Lead: NADINE DOUGHMAN
Supervisor: PHILLIP BLUM
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: Closure Final
Final Date: Not reported
Type: RCRA
Title Description: Closure of SURFSTR1-EAST BASIN, WASTPILE1-WEST BASIN
Due Date: Not reported
Comments: Not reported
Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: Closure Final - PUBLIC COMMENT (END)
Actual Date: 12/12/1995

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: NADINE DOUGHMAN
Project Manager Lead: NADINE DOUGHMAN
Supervisor: PHILLIP BLUM
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: New Post-Closure Permit
Final Date: 2003-12-23 00:00:00
Type: RCRA
Title Description: POST CLOSURE PERMIT
Due Date: Not reported
Comments: Not reported

TESORO CARSON REFINERY (Continued) **S115811833**

Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: New Post-Closure Permit - APPLICATION PART B RECEIVED
Actual Date: 05/26/1998

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: NADINE DOUGHMAN
Project Manager Lead: NADINE DOUGHMAN
Supervisor: PHILLIP BLUM
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: Closure Final
Final Date: Not reported
Type: RCRA
Title Description: Closure of SURFSTR1-EAST BASIN, WASTPILE1-WEST BASIN
Due Date: Not reported
Comments: Not reported
Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: Closure Final - RESPONSE TO 1ST NOD RECEIVED
Actual Date: 11/06/1995

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: NADINE DOUGHMAN
Project Manager Lead: NADINE DOUGHMAN
Supervisor: PHILLIP BLUM
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: Closure Final
Final Date: Not reported
Type: RCRA
Title Description: Closure of SURFSTR1-EAST BASIN, WASTPILE1-WEST BASIN
Due Date: Not reported
Comments: Not reported
Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: Closure Final - ISSUE CLOSURE VERIFICATION
Actual Date: 12/04/1997

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: NADINE DOUGHMAN
Project Manager Lead: NADINE DOUGHMAN
Supervisor: PHILLIP BLUM
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: New Post-Closure Permit
Final Date: 2003-12-23 00:00:00
Type: RCRA
Title Description: POST CLOSURE PERMIT
Due Date: Not reported
Comments: Not reported
Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: New Post-Closure Permit - PUBLIC COMMENT (END)
Actual Date: 07/04/2003

TESORO CARSON REFINERY (Continued) **S115811833**

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: NADINE DOUGHMAN
Project Manager Lead: NADINE DOUGHMAN
Supervisor: PHILLIP BLUM
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: Closure Final
Final Date: Not reported
Type: RCRA
Title Description: Closure of SURFSTR1-EAST BASIN, WASTPILE1-WEST BASIN
Due Date: Not reported
Comments: Not reported
Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: Closure Final - PUBLIC COMMENT (BEGIN)
Actual Date: 12/12/1995

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: NADINE DOUGHMAN
Project Manager Lead: NADINE DOUGHMAN
Supervisor: PHILLIP BLUM
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: New Post-Closure Permit
Final Date: 2003-12-23 00:00:00
Type: RCRA
Title Description: POST CLOSURE PERMIT
Due Date: Not reported
Comments: Not reported
Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: New Post-Closure Permit - FINAL PART A & PART B RECEIVED
Actual Date: 03/28/2002

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: NADINE DOUGHMAN
Project Manager Lead: NADINE DOUGHMAN
Supervisor: PHILLIP BLUM
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: Closure Final
Final Date: Not reported
Type: RCRA
Title Description: Closure of SURFSTR1-EAST BASIN, WASTPILE1-WEST BASIN
Due Date: Not reported
Comments: Not reported
Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: Closure Final - CLOSURE PLAN APPROVED
Actual Date: 03/04/1996

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY

TESORO CARSON REFINERY (Continued) **S115811833**

Project Manager:	NADINE DOUGHMAN
Project Manager Lead:	NADINE DOUGHMAN
Supervisor:	PHILLIP BLUM
Facility Size:	Large Postclosure
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	New Post-Closure Permit
Final Date:	2003-12-23 00:00:00
Type:	RCRA
Title Description:	POST CLOSURE PERMIT
Due Date:	Not reported
Comments:	Not reported
Unit Names:	SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description:	New Post-Closure Permit - DRAFT POST-CLOSURE PERMIT
Actual Date:	05/20/2003

EPA ID:	CAD077227049
Facility Type:	Post-Closure Permitted
Facility Name:	TESORO CARSON REFINERY
Project Manager:	NADINE DOUGHMAN
Project Manager Lead:	NADINE DOUGHMAN
Supervisor:	PHILLIP BLUM
Facility Size:	Large Postclosure
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	New Post-Closure Permit
Final Date:	2003-12-23 00:00:00
Type:	RCRA
Title Description:	POST CLOSURE PERMIT
Due Date:	Not reported
Comments:	Not reported
Unit Names:	SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description:	New Post-Closure Permit - FINAL POST-CLOSURE PERMIT (EFFECTIVE)
Actual Date:	01/26/2004

EPA ID:	CAD077227049
Facility Type:	Post-Closure Permitted
Facility Name:	TESORO CARSON REFINERY
Project Manager:	NADINE DOUGHMAN
Project Manager Lead:	NADINE DOUGHMAN
Supervisor:	PHILLIP BLUM
Facility Size:	Large Postclosure
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	New Post-Closure Permit
Final Date:	2003-12-23 00:00:00
Type:	RCRA
Title Description:	POST CLOSURE PERMIT
Due Date:	Not reported
Comments:	Not reported
Unit Names:	SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description:	New Post-Closure Permit - PUBLIC COMMENT (BEGIN)
Actual Date:	05/20/2003

EPA ID:	CAD077227049
Facility Type:	Post-Closure Permitted
Facility Name:	TESORO CARSON REFINERY
Project Manager:	NADINE DOUGHMAN
Project Manager Lead:	NADINE DOUGHMAN
Supervisor:	PHILLIP BLUM

TESORO CARSON REFINERY (Continued) **S115811833**

Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: New Post-Closure Permit
Final Date: 2003-12-23 00:00:00
Type: RCRA
Title Description: POST CLOSURE PERMIT
Due Date: Not reported
Comments: Not reported
Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: New Post-Closure Permit - FINAL POST-CLOSURE PERMIT
Actual Date: 12/23/2003

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: NADINE DOUGHMAN
Project Manager Lead: NADINE DOUGHMAN
Supervisor: PHILLIP BLUM
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: New Post-Closure Permit
Final Date: 2003-12-23 00:00:00
Type: RCRA
Title Description: POST CLOSURE PERMIT
Due Date: Not reported
Comments: Not reported
Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: New Post-Closure Permit - FINAL POST-CLOSURE PERMIT (EXPIRES)
Actual Date: 01/26/2014

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Project Manager: NADINE DOUGHMAN
Project Manager Lead: NADINE DOUGHMAN
Supervisor: PHILLIP BLUM
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: Closure Final
Final Date: Not reported
Type: RCRA
Title Description: Closure of SURFSTR1-EAST BASIN, WASTPILE1-WEST BASIN
Due Date: Not reported
Comments: Not reported
Unit Names: SURFSTR1-East Basin (GPRA Unit), WASTPILE1-West Basin (GPRA Unit)
Event Description: Closure Final - 1ST NOTICE OF DEFICIENCY ISSUED
Actual Date: 09/26/1995

Maint:
EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Title: Refinery Subsurface Cleanup Progress Report january 2019 through June 2019
Document Type: Monitoring Report - Groundwater
Receive Date: 07/02/2020
Project Manager: NADINE DOUGHMAN

TESORO CARSON REFINERY (Continued) **S115811833**

Project Manager Lead: NADINE DOUGHMAN
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Due Date: Not reported

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Title: 2018 Groundwater Quality Assessment Report for East and West Basins
Document Type: Monitoring Report - Groundwater
Receive Date: 08/19/2019
Project Manager: NADINE DOUGHMAN
Project Manager Lead: NADINE DOUGHMAN
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Due Date: Not reported

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Title: Refinery Subsurface Cleanup Progress Report January through June 2015
Document Type: Monitoring Report - Groundwater
Receive Date: 12/08/2015
Project Manager: NADINE DOUGHMAN
Project Manager Lead: NADINE DOUGHMAN
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Due Date: Not reported

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Title: 2015 Annual Refinery Subsurface Cleanup Progress Report.
Document Type: Monitoring Report - Groundwater
Receive Date: 07/13/2016
Project Manager: NADINE DOUGHMAN
Project Manager Lead: NADINE DOUGHMAN
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Due Date: Not reported

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Title: Annual Training Certification from the Facility per CCR, section 66264.16(f)
Document Type: Certification Documents from Facility
Receive Date: 03/01/2021
Project Manager: NADINE DOUGHMAN
Project Manager Lead: NADINE DOUGHMAN
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Due Date: Not reported

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY

TESORO CARSON REFINERY (Continued) **S115811833**

Title:	2010 RCRA Groundwater Quality Assessment Report
Document Type:	Monitoring Report - Groundwater
Receive Date:	05/12/2011
Project Manager:	NADINE DOUGHMAN
Project Manager Lead:	NADINE DOUGHMAN
Supervisor:	PHILLIP BLUM
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Due Date:	Not reported
EPA ID:	CAD077227049
Facility Type:	Post-Closure Permitted
Facility Name:	TESORO CARSON REFINERY
Title:	2011 RCRA Groundwater Quality Assessment Report East and West Retention Basins
Document Type:	Monitoring Report - Groundwater
Receive Date:	05/01/2012
Project Manager:	NADINE DOUGHMAN
Project Manager Lead:	NADINE DOUGHMAN
Supervisor:	PHILLIP BLUM
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Due Date:	04/21/2012
EPA ID:	CAD077227049
Facility Type:	Post-Closure Permitted
Facility Name:	TESORO CARSON REFINERY
Title:	2012 RCRA Groundwater Quality Assessment Report
Document Type:	Monitoring Report - Groundwater
Receive Date:	05/15/2013
Project Manager:	NADINE DOUGHMAN
Project Manager Lead:	NADINE DOUGHMAN
Supervisor:	PHILLIP BLUM
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Due Date:	Not reported
EPA ID:	CAD077227049
Facility Type:	Post-Closure Permitted
Facility Name:	TESORO CARSON REFINERY
Title:	RCRA Groundwater Quality Assessment Report
Document Type:	Monitoring Report - Groundwater
Receive Date:	04/23/2014
Project Manager:	NADINE DOUGHMAN
Project Manager Lead:	NADINE DOUGHMAN
Supervisor:	PHILLIP BLUM
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Due Date:	11/04/2015
EPA ID:	CAD077227049
Facility Type:	Post-Closure Permitted
Facility Name:	TESORO CARSON REFINERY
Title:	RCRA Groundwater Quality Assessment Report
Document Type:	Monitoring Report - Groundwater
Receive Date:	04/20/2015
Project Manager:	NADINE DOUGHMAN
Project Manager Lead:	NADINE DOUGHMAN
Supervisor:	PHILLIP BLUM
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Due Date:	11/04/2015

TESORO CARSON REFINERY (Continued) **S115811833**

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Title: RCRA Groundwater Quality Assessment Report
Document Type: Monitoring Report - Groundwater
Receive Date: 06/20/2016
Project Manager: NADINE DOUGHMAN
Project Manager Lead: NADINE DOUGHMAN
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Due Date: Not reported

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Title: RCRA Groundwater Quality Assessment Report
Document Type: Monitoring Report - Groundwater
Receive Date: 06/05/2017
Project Manager: NADINE DOUGHMAN
Project Manager Lead: NADINE DOUGHMAN
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Due Date: Not reported

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Title: RCRA Groundwater Quality Assessment Report
Document Type: Monitoring Report - Groundwater
Receive Date: 02/13/2019
Project Manager: NADINE DOUGHMAN
Project Manager Lead: NADINE DOUGHMAN
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Due Date: Not reported

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Title: Draft LUC for the East and West Retention Basins
Document Type: Deed Restriction / LUC Monitoring Report
Receive Date: 11/09/2016
Project Manager: NADINE DOUGHMAN
Project Manager Lead: NADINE DOUGHMAN
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Due Date: 03/02/2018

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Title: Merger of Tesoro Refining and Marketing Company with marathon Petroleum Corporation
Document Type: Respond to Facility Inquiries
Receive Date: 08/23/2018
Project Manager: NADINE DOUGHMAN
Project Manager Lead: NADINE DOUGHMAN

TESORO CARSON REFINERY (Continued) **S115811833**

Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Due Date: Not reported

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Title: Request for Repair and Maintenance East Retention Basin
Document Type: Respond to Facility Inquiries
Receive Date: 06/14/2011
Project Manager: NADINE DOUGHMAN
Project Manager Lead: NADINE DOUGHMAN
Supervisor: PHILLIP BLUM
Facility Status: POST CLOSURE PERMIT + PC UNITS
Due Date: Not reported

Alias:
EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Facility Status: POST CLOSURE PERMIT + PC UNITS
Project Manager: NADINE DOUGHMAN
Project Manager Lead: NADINE DOUGHMAN
Supervisor: PHILLIP BLUM
Alias Type: FRS
Alias: 110017428988

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Facility Status: POST CLOSURE PERMIT + PC UNITS
Project Manager: NADINE DOUGHMAN
Project Manager Lead: NADINE DOUGHMAN
Supervisor: PHILLIP BLUM
Alias Type: Envirostor ID Number
Alias: 19290015

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Facility Status: POST CLOSURE PERMIT + PC UNITS
Project Manager: NADINE DOUGHMAN
Project Manager Lead: NADINE DOUGHMAN
Supervisor: PHILLIP BLUM
Alias Type: Project Code (Site Code)
Alias: 400348

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Facility Status: POST CLOSURE PERMIT + PC UNITS
Project Manager: NADINE DOUGHMAN
Project Manager Lead: NADINE DOUGHMAN
Supervisor: PHILLIP BLUM
Alias Type: APN
Alias: 7315001025

TESORO CARSON REFINERY (Continued) **S115811833**

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Facility Status: POST CLOSURE PERMIT + PC UNITS
Project Manager: NADINE DOUGHMAN
Project Manager Lead: NADINE DOUGHMAN
Supervisor: PHILLIP BLUM
Alias Type: APN
Alias: 7315001026

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Facility Status: POST CLOSURE PERMIT + PC UNITS
Project Manager: NADINE DOUGHMAN
Project Manager Lead: NADINE DOUGHMAN
Supervisor: PHILLIP BLUM
Alias Type: APN
Alias: 7315001027

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Facility Status: POST CLOSURE PERMIT + PC UNITS
Project Manager: NADINE DOUGHMAN
Project Manager Lead: NADINE DOUGHMAN
Supervisor: PHILLIP BLUM
Alias Type: APN
Alias: 7315001028

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Facility Status: POST CLOSURE PERMIT + PC UNITS
Project Manager: NADINE DOUGHMAN
Project Manager Lead: NADINE DOUGHMAN
Supervisor: PHILLIP BLUM
Alias Type: APN
Alias: 7315006003

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Facility Status: POST CLOSURE PERMIT + PC UNITS
Project Manager: NADINE DOUGHMAN
Project Manager Lead: NADINE DOUGHMAN
Supervisor: PHILLIP BLUM
Alias Type: APN
Alias: 7315007005

EPA ID: CAD077227049
Facility Type: Post-Closure Permitted
Facility Name: TESORO CARSON REFINERY
Facility Status: POST CLOSURE PERMIT + PC UNITS
Project Manager: NADINE DOUGHMAN
Project Manager Lead: NADINE DOUGHMAN
Supervisor: PHILLIP BLUM

TESORO CARSON REFINERY (Continued) **S115811833**

Alias Type:	APN
Alias:	7315007006
EPA ID:	CAD077227049
Facility Type:	Post-Closure Permitted
Facility Name:	TESORO CARSON REFINERY
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Project Manager:	NADINE DOUGHMAN
Project Manager Lead:	NADINE DOUGHMAN
Supervisor:	PHILLIP BLUM
Alias Type:	APN
Alias:	7315007007
EPA ID:	CAD077227049
Facility Type:	Post-Closure Permitted
Facility Name:	TESORO CARSON REFINERY
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Project Manager:	NADINE DOUGHMAN
Project Manager Lead:	NADINE DOUGHMAN
Supervisor:	PHILLIP BLUM
Alias Type:	APN
Alias:	7315007009
EPA ID:	CAD077227049
Facility Type:	Post-Closure Permitted
Facility Name:	TESORO CARSON REFINERY
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Project Manager:	NADINE DOUGHMAN
Project Manager Lead:	NADINE DOUGHMAN
Supervisor:	PHILLIP BLUM
Alias Type:	APN
Alias:	7315008046
EPA ID:	CAD077227049
Facility Type:	Post-Closure Permitted
Facility Name:	TESORO CARSON REFINERY
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Project Manager:	NADINE DOUGHMAN
Project Manager Lead:	NADINE DOUGHMAN
Supervisor:	PHILLIP BLUM
Alias Type:	APN
Alias:	7315008047
EPA ID:	CAD077227049
Facility Type:	Post-Closure Permitted
Facility Name:	TESORO CARSON REFINERY
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Project Manager:	NADINE DOUGHMAN
Project Manager Lead:	NADINE DOUGHMAN
Supervisor:	PHILLIP BLUM
Alias Type:	APN
Alias:	7315008053
EPA ID:	CAD077227049
Facility Type:	Post-Closure Permitted
Facility Name:	TESORO CARSON REFINERY
Facility Status:	POST CLOSURE PERMIT + PC UNITS

TESORO CARSON REFINERY (Continued) **S115811833**

Project Manager:	NADINE DOUGHMAN
Project Manager Lead:	NADINE DOUGHMAN
Supervisor:	PHILLIP BLUM
Alias Type:	Alternate Name
Alias:	ARCO PETROLEUM PRODUCTS COMPANY - WATSON

91
NW
1/2-1
0.706 mi.
3729 ft.

Relative:
Higher

Actual:
24 ft.

B F GOODRICH **S101585749**
2104 E 223RD ST **N/A**
CARSON, CA 90745

ENVIROSTOR
VCP
SWEEPS UST
CA FID UST
EMI
LOS ANGELES CO. HMS
NPDES
CIWQS
CERS

ENVIROSTOR:

Name:	FORMER GEON FACILITY
Address:	2104 EAST 223RD STREET
City,State,Zip:	CARSON, CA 90810
Facility ID:	60003154
Status:	Active
Status Date:	07/15/2021
Site Code:	401981
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Agreement
Acres:	9.49
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Travis Coburn
Supervisor:	Emad Yemut
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	64
Senate:	35
Special Program:	Voluntary Agreement - CLRRA
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	33.82208
Longitude:	-118.2366
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	Former Geon Facility
Alias Type:	Alternate Name
Alias Name:	401981
Alias Type:	Project Code (Site Code)
Alias Name:	60003154
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	California Land Reuse and Revitalization Agreement

B F GOODRICH (Continued) **S101585749**

Completed Date: 09/02/2021
Comments: CLRRA executed on 9/2/2021.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Workplan
Completed Date: 12/20/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 09/01/2021
Comments: Not reported

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Removal Action Completion Report
Future Due Date: 2023
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Removal Action Workplan
Schedule Due Date: 05/31/2023
Schedule Revised Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Supplemental Site Investigation Report
Schedule Due Date: 12/31/2022
Schedule Revised Date: Not reported

VCP:
Name: FORMER GEON FACILITY
Address: 2104 EAST 223RD STREET
City,State,Zip: CARSON, CA 90810
Facility ID: 60003154
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Agreement
Site Mgmt. Req.: NONE SPECIFIED
Acres: 9.49
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Travis Coburn
Supervisor: Emad Yemut
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 401981
Assembly: 64
Senate: 35
Special Programs Code: Voluntary Agreement - CLRRA
Status: Active
Status Date: 07/15/2021
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 33.82208 / -118.2366
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED

B F GOODRICH (Continued) **S101585749**

Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: Former Geon Facility
Alias Type: Alternate Name
Alias Name: 401981
Alias Type: Project Code (Site Code)
Alias Name: 60003154
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: California Land Reuse and Revitalization Agreement
Completed Date: 09/02/2021
Comments: CLRRA executed on 9/2/2021.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Workplan
Completed Date: 12/20/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 09/01/2021
Comments: Not reported

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Removal Action Completion Report
Future Due Date: 2023
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Removal Action Workplan
Schedule Due Date: 05/31/2023
Schedule Revised Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Supplemental Site Investigation Report
Schedule Due Date: 12/31/2022
Schedule Revised Date: Not reported

SWEEPS UST:
Name: B F GOODRICH
Address: 2104 E 223RD ST
City: CARSON
Status: Not reported
Comp Number: 4873
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-004873-000001

B F GOODRICH (Continued) **S101585749**

Tank Status:	Not reported
Capacity:	1000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	2

Name:	B F GOODRICH
Address:	2104 E 223RD ST
City:	CARSON
Status:	Not reported
Comp Number:	4873
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-004873-000002
Tank Status:	Not reported
Capacity:	5000
Active Date:	Not reported
Tank Use:	CHEMICAL
STG:	PRODUCT
Content:	Not reported
Number Of Tanks:	Not reported

CA FID UST:

Facility ID:	19028548
Regulated By:	UTNKI
Regulated ID:	CAD008390
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2135137162
Mail To:	Not reported
Mailing Address:	PO BOX
Mailing Address 2:	Not reported
Mailing City,St,Zip:	CARSON 90745
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Inactive

EMI:

Name:	B F GOODRICH CO, GEON VINYL DI
Address:	2104 E 223RD ST
City,State,Zip:	CARSON, CA 90745
Year:	1987
County Code:	19
Air Basin:	SC
Facility ID:	1460
Air District Name:	SC

B F GOODRICH (Continued) **S101585749**

SIC Code:	3087
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	19
Reactive Organic Gases Tons/Yr:	19
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	1
Part. Matter 10 Micrometers and Smllr Tons/Yr:	1

Name:	B F GOODRICH CO, GEON VINYL DI
Address:	2104 E 223RD ST
City,State,Zip:	CARSON, CA 90745
Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	1460
Air District Name:	SC
SIC Code:	3087
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	6
Part. Matter 10 Micrometers and Smllr Tons/Yr:	6

Name:	THE GEON CO
Address:	2104 E 223RD ST
City,State,Zip:	CARSON, CA 90745
Year:	1995
County Code:	19
Air Basin:	SC
Facility ID:	102455
Air District Name:	SC
SIC Code:	9999
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	8
Part. Matter 10 Micrometers and Smllr Tons/Yr:	6

Name:	THE GEON CO
Address:	2104 E 223RD ST
City,State,Zip:	CARSON, CA 90745
Year:	1996
County Code:	19

B F GOODRICH (Continued) **S101585749**

Air Basin:	SC
Facility ID:	102455
Air District Name:	SC
SIC Code:	9999
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	2
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	12
Part. Matter 10 Micrometers and Smllr Tons/Yr:	9

Name:	THE GEON CO
Address:	2104 E 223RD ST
City,State,Zip:	CARSON, CA 90745
Year:	1997
County Code:	19
Air Basin:	SC
Facility ID:	102455
Air District Name:	SC
SIC Code:	3087
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	6
Part. Matter 10 Micrometers and Smllr Tons/Yr:	4

Name:	THE GEON CO
Address:	2104 E 223RD ST
City,State,Zip:	CARSON, CA 90745
Year:	1998
County Code:	19
Air Basin:	SC
Facility ID:	102455
Air District Name:	SC
SIC Code:	3087
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	6
Part. Matter 10 Micrometers and Smllr Tons/Yr:	4

Name:	THE GEON CO
Address:	2104 E 223RD ST

B F GOODRICH (Continued) **S101585749**

City,State,Zip:	CARSON, CA 90745
Year:	1999
County Code:	19
Air Basin:	SC
Facility ID:	102455
Air District Name:	SC
SIC Code:	3087
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	6
Part. Matter 10 Micrometers and Smllr Tons/Yr:	4

Name:	THE GEON CO
Address:	2104 E 223RD ST
City,State,Zip:	CARSON, CA 90745
Year:	2000
County Code:	19
Air Basin:	SC
Facility ID:	102455
Air District Name:	SC
SIC Code:	3087
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	6
Part. Matter 10 Micrometers and Smllr Tons/Yr:	4

Name:	THE GEON CO
Address:	2104 E 223RD ST
City,State,Zip:	CARSON, CA 90745
Year:	2001
County Code:	19
Air Basin:	SC
Facility ID:	102455
Air District Name:	SC
SIC Code:	3087
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

B F GOODRICH (Continued) **S101585749**

LOS ANGELES CO. HMS:

Name:	9TH STREET PARTNERS
Address:	2104 E 223RD ST
City,State,Zip:	CARSON, CA 908101611
Region:	LA
Permit Category:	I
Facility Id:	004692-071051
Facility Type:	01
Facility Status:	Closed
Area:	22
Permit Number:	000999119
Permit Status:	Closed

NPDES:

Name:	PROJECT 9 CARSON
Address:	2104 EAST 223RD STREET
City,State,Zip:	CARSON, CA 90810
Facility Status:	Active
NPDES Number:	CAS000002
Region:	4
Agency Number:	0
Regulatory Measure ID:	545103
Place ID:	Not reported
Order Number:	2009-0009-DWQ
WDID:	4 19C396092
Regulatory Measure Type:	Enrollee
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	01/07/2022
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	PO Box 3388
Discharge Name:	LIT 9th St 223rd Carson LP
Discharge City:	Manhattan Beach
Discharge State:	California
Discharge Zip:	90266
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

Name:	PROJECT 9 CARSON
Address:	2104 EAST 223RD STREET
City,State,Zip:	CARSON, CA 90810
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	4 19C396092
Regulatory Measure Type:	Construction

B F GOODRICH (Continued) **S101585749**

Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	01/07/2022
Operator Name:	LIT 9th St 223rd Carson LP
Operator Address:	PO Box 3388
Operator City:	Manhattan Beach
Operator State:	California
Operator Zip:	90266

CIWQS:

Name:	PROJECT 9 CARSON
Address:	2104 EAST 223RD STREET
City,State,Zip:	CARSON, CA 90810
Agency:	LIT 9th St 223rd Carson LP
Agency Address:	PO Box 3388, Manhattan Beach, CA 90266
Place/Project Type:	Construction - Commercial, Industrial
SIC/NAICS:	Not reported
Region:	4
Program:	CONSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	4 19C396092
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	01/07/2022
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.82181
Longitude:	-118.23645

CERS:

Name:	PROJECT 9 CARSON
Address:	2104 EAST 223RD STREET
City,State,Zip:	CARSON, CA 90810
Site ID:	599780
CERS ID:	900943
CERS Description:	Construction Storm Water

Affiliation:

Affiliation Type Desc:	Owner/Operator
Entity Name:	LIT 9th St 223rd Carson LP

B F GOODRICH (Continued) **S101585749**

Entity Title:	Operator
Affiliation Address:	PO Box 3388
Affiliation City:	Manhattan Beach
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90266
Affiliation Phone:	,

T92 **LAGUNA DOMINGEZ OIL SF PORT AR** **FUDS** **1024903573**
SSW **N/A**
1/2-1 **LOS ANGELES, CA**
0.749 mi.
3957 ft. **Site 1 of 4 in cluster T**

Relative:
Higher

Actual:
30 ft.

FUDS:

EPA Region:	09
Installation ID:	CA99799F549700
Congressional District Number:	44
Name:	LAGUNA DOMINGEZ OIL SF PORT AR
FUDS Number:	J09CA0438
City:	LOS ANGELES
State:	CA
County:	LOS ANGELES
Object ID:	4274
USACE Division:	SPD
USACE District:	Los Angeles District (SPL)
Status:	Properties without projects
Current Owner:	LOCAL: COUNTY LA COUNTY FLOOD CONTROL DISTRICT- REFINING OIL STORAGE FACILITY, FLOOD CONTROL BRIDGES, NEIGHBORHOODS, TRUCK FACILITY, ROAD AND RAILROAD RIGHT OF WAY
EMS Map Link:	https://fudsportal.usace.army.mil/ems/inventory/map?id=61098
Eligibility:	Eligible
Has Projects:	No
NPL Status:	Not reported
Project Required:	No
Feature Description:	USED AS SPOILS AREA & FLOOD CONTROL
Latitude:	33.80027778
Longitude:	-118.23361111

T93 **LAGUNA DOM OIL SF PL** **ENVIROSTOR** **S107736583**
SSW **N/A**
1/2-1 **LOS ANGELES, CA**
0.750 mi.
3958 ft. **Site 2 of 4 in cluster T**

Relative:
Higher

Actual:
30 ft.

ENVIROSTOR:

Name:	LAGUNA DOM OIL SF PL
Address:	Not reported
City,State,Zip:	LOS ANGELES, CA
Facility ID:	80000184
Status:	Inactive - Needs Evaluation
Status Date:	07/01/2005
Site Code:	Not reported
Site Type:	Military Evaluation
Site Type Detailed:	FUDS

LAGUNA DOM OIL SF PL (Continued) **S107736583**

Acres:	0
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Douglas Bautista
Division Branch:	Cleanup Cypress
Assembly:	64
Senate:	35
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	DERA
Latitude:	33.80027
Longitude:	-118.2336
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CA99799F549700
Alias Type:	Federal Facility ID
Alias Name:	J09CA0438
Alias Type:	INPR
Alias Name:	80000184
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	Not reported
Completed Sub Area Name:	Not reported
Completed Document Type:	Not reported
Completed Date:	Not reported
Comments:	Not reported

Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

U94 **COONS TRUST PROPERTY** **ENVIROSTOR** **S107616202**
NNW **2254 E. 223RD STREET** **CPS-SLIC** **N/A**
1/2-1 **CARSON, CA 90810** **VCP**
0.754 mi. **DEED**
3983 ft. **Site 1 of 3 in cluster U** **CERS**

Relative:
Higher

Actual:
24 ft.

ENVIROSTOR:

Name:	COONS TRUST PROPERTY
Address:	2254 E. 223RD STREET
City,State,Zip:	CARSON, CA 90810
Facility ID:	70000172
Status:	Certified O&M - Land Use Restrictions Only
Status Date:	12/21/2005
Site Code:	401673

COONS TRUST PROPERTY (Continued) **S107616202**

Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Agreement
Acres:	10
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Irena Edwards
Supervisor:	Eileen Mananian
Division Branch:	Cleanup Cypress
Assembly:	64
Senate:	35
Special Program:	Voluntary Agreement - Standard Voluntary Agreement
Restricted Use:	YES
Site Mgmt Req:	DAY, ELD, HOS, LUC, GW, NUSE, NDEV, NSUB, SCH, FOOD, RES
Funding:	Responsible Party
Latitude:	33.82415
Longitude:	-118.2331
APN:	7315007012, 7315007903
Past Use:	MANUFACTURING - CHEMICALS
Potential COC:	1,1,1-Trichloroethane (TCA Vinyl chloride
Confirmed COC:	1,1,1-Trichloroethane (TCA Vinyl chloride
Potential Description:	OTH, SOIL
Alias Name:	7315007012
Alias Type:	APN
Alias Name:	7315007903
Alias Type:	APN
Alias Name:	110033613613
Alias Type:	EPA (FRS #)
Alias Name:	401261
Alias Type:	Project Code (Site Code)
Alias Name:	401673
Alias Type:	Project Code (Site Code)
Alias Name:	70000172
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	06/15/2005
Comments:	Deed Restriction/Land use covenant was recorded. This is the final activity under the EOA.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Well Decommissioning Workplan
Completed Date:	10/06/2015
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Characterization Report
Completed Date:	10/15/2014
Comments:	Provided comments.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Reimbursement Agreement

COONS TRUST PROPERTY (Continued) **S107616202**

Completed Date: 04/25/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/06/2019
Comments: Activity completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 02/03/2020
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/15/2014
Comments: Provided comments.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/14/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 12/21/2005
Comments: Land Use Restriction recorded with Los Angeles County on 12/21/2005.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/28/2016
Comments: FY 2016/2017 ACE completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 01/07/2019
Comments: Activity completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/22/2020
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 06/26/2014
Comments: completed

COONS TRUST PROPERTY (Continued) **S107616202**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: LUR - Notification Response
Completed Date: 06/26/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/26/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 06/26/2014
Comments: Executed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/03/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 01/11/2018
Comments: Activity completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Reimbursement Agreement
Completed Date: 04/15/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/20/2015
Comments: Annual Cost Estimate completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 06/15/2010
Comments: Site inspection of Coons Trust Property took place on 6/15/2010.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Reimbursement Agreement
Completed Date: 06/29/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report

COONS TRUST PROPERTY (Continued) **S107616202**

Completed Date: 09/04/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 04/01/2011
Comments: Reminder letter sent for unpaid invoice balances.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

CPS-SLIC:
Name: CITY OF CARSON - SWAN PROPERTY
Address: 2254 E. 223RD ST
City,State,Zip: CARSON, CA 90745
Region: STATE
Facility Status: Open - Inactive
Status Date: 01/21/2015
Global Id: SLT43302300
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 33.824283
Longitude: -118.23659
Case Type: Cleanup Program Site
Case Worker: AGH
Local Agency: Not reported
RB Case Number: 0496C1
File Location: Not reported
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

VCP:
Name: COONS TRUST PROPERTY
Address: 2254 E. 223RD STREET
City,State,Zip: CARSON, CA 90810
Facility ID: 70000172
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Agreement
Site Mgmt. Req.: DAY, ELD, HOS, LUC, GW, NUSE, NDEV, NSUB, SCH, FOOD, RES
Acres: 10
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Irena Edwards

COONS TRUST PROPERTY (Continued) **S107616202**

Supervisor:	Eileen Mananian
Division Branch:	Cleanup Cypress
Site Code:	401673
Assembly:	64
Senate:	35
Special Programs Code:	Voluntary Agreement - Standard Voluntary Agreement
Status:	Certified O&M - Land Use Restrictions Only
Status Date:	12/21/2005
Restricted Use:	YES
Funding:	Responsible Party
Lat/Long:	33.82415 / -118.2331
APN:	7315007012, 7315007903
Past Use:	MANUFACTURING - CHEMICALS
Potential COC:	30026, 30028
Confirmed COC:	30026,30028
Potential Description:	OTH, SOIL
Alias Name:	7315007012
Alias Type:	APN
Alias Name:	7315007903
Alias Type:	APN
Alias Name:	110033613613
Alias Type:	EPA (FRS #)
Alias Name:	401261
Alias Type:	Project Code (Site Code)
Alias Name:	401673
Alias Type:	Project Code (Site Code)
Alias Name:	70000172
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	06/15/2005
Comments:	Deed Restriction/Land use covenant was recorded. This is the final activity under the EOA.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Well Decommissioning Workplan
Completed Date:	10/06/2015
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Characterization Report
Completed Date:	10/15/2014
Comments:	Provided comments.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Reimbursement Agreement
Completed Date:	04/25/2019
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate

COONS TRUST PROPERTY (Continued) **S107616202**

Completed Date: 11/06/2019
Comments: Activity completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 02/03/2020
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/15/2014
Comments: Provided comments.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/14/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 12/21/2005
Comments: Land Use Restriction recorded with Los Angeles County on 12/21/2005.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/28/2016
Comments: FY 2016/2017 ACE completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 01/07/2019
Comments: Activity completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/22/2020
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 06/26/2014
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: LUR - Notification Response
Completed Date: 06/26/2014
Comments: Not reported

COONS TRUST PROPERTY (Continued) **S107616202**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/26/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 06/26/2014
Comments: Executed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/03/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 01/11/2018
Comments: Activity completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Reimbursement Agreement
Completed Date: 04/15/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/20/2015
Comments: Annual Cost Estimate completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 06/15/2010
Comments: Site inspection of Coons Trust Property took place on 6/15/2010.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Reimbursement Agreement
Completed Date: 06/29/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/04/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand

COONS TRUST PROPERTY (Continued) **S107616202**

Completed Date: 04/01/2011
Comments: Reminder letter sent for unpaid invoice balances.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

DEED:
Name: COONS TRUST PROPERTY
Address: 2254 E. 223RD STREET
City,State,Zip: CARSON, CA 90810
Envirostor ID: 70000172
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: VOLUNTARY CLEANUP
Status: CERTIFIED O&M - LAND USE RESTRICTIONS ONLY
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): Not reported
File Name: Envirostor Land Use Restrictions

CERS:
Name: CITY OF CARSON - SWAN PROPERTY
Address: 2254 E. 223RD ST
City,State,Zip: CARSON, CA 90745
Site ID: 226275
CERS ID: SLT43302300
CERS Description: Cleanup Program Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ARTHUR G. HEATH - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4th Street, Suite
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 2135766725,

U95
NNW
1/2-1
0.754 mi.
3983 ft.

Relative:
Higher

Actual:
24 ft.

STAUFFER MANAGEMENT COMPANY LLC
2112 EAST 223RD STREET
CARSON, CA 90745

Site 2 of 3 in cluster U

SEMS-ARCHIVE
CORRACTS
RCRA-TSDF
RCRA-LQG
ENVIROSTOR
CPS-SLIC
HIST Cal-Sites
HIST UST
2020 COR ACTION
HWP
CERS

1000424829
CAD076941103

SEMS Archive:

Site ID:	0901593
EPA ID:	CAD076941103
Name:	STAUFFER CHEM CO
Address:	2112 E 223RD ST
Address 2:	Not reported
City,State,Zip:	CARSON, CA 90745
Cong District:	31
FIPS Code:	06037
FF:	N
NPL:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region:	09
Site ID:	0901593
EPA ID:	CAD076941103
Site Name:	STAUFFER CHEM CO
NPL:	N
FF:	N
OU:	00
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	1987-09-01 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	09
Site ID:	0901593
EPA ID:	CAD076941103
Site Name:	STAUFFER CHEM CO
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	1986-08-01 04:00:00
Finish Date:	1987-09-01 04:00:00
Qual:	N
Current Action Lead:	St Perf

Region:	09
Site ID:	0901593
EPA ID:	CAD076941103
Site Name:	STAUFFER CHEM CO

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1986-08-01 04:00:00
Finish Date: 1986-08-01 04:00:00
Qual: Not reported
Current Action Lead: St Perf

CORRACTS:
Name: STAUFFER MANAGEMENT COMPANY LLC
Address: 2112 EAST 223RD STREET
Address 2: Not reported
EPA ID: CAD076941103
Area Name: ENTIRE FACILITY
Corrective Action: RFA COMPLETED
Actual Date: 19981130
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: STAUFFER MANAGEMENT COMPANY LLC
Address: 2112 EAST 223RD STREET
Address 2: Not reported
EPA ID: CAD076941103
Area Name: ENTIRE FACILITY
Corrective Action: DETERMINATION OF NEED FOR AN INVESTIGATION-INVESTIGATION IS NECESSARY
Actual Date: 19981130
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: STAUFFER MANAGEMENT COMPANY LLC
Address: 2112 EAST 223RD STREET
Address 2: Not reported
EPA ID: CAD076941103
Area Name: SOILS
Corrective Action: INVESTIGATION WORKPLAN APPROVED
Actual Date: 19950301
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: STAUFFER MANAGEMENT COMPANY LLC
Address: 2112 EAST 223RD STREET
Address 2: Not reported
EPA ID: CAD076941103
Area Name: SOILS
Corrective Action: INVESTIGATION COMPLETE
Actual Date: 19960716
Air Release Indicator: Not reported

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: STAUFFER MANAGEMENT COMPANY LLC
Address: 2112 EAST 223RD STREET
Address 2: Not reported
EPA ID: CAD076941103
Area Name: SOILS
Corrective Action: CMS WORKPLAN APPROVED
Actual Date: 19970130
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: STAUFFER MANAGEMENT COMPANY LLC
Address: 2112 EAST 223RD STREET
Address 2: Not reported
EPA ID: CAD076941103
Area Name: SOILS
Corrective Action: CMS COMPLETE
Actual Date: 19970130
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: STAUFFER MANAGEMENT COMPANY LLC
Address: 2112 EAST 223RD STREET
Address 2: Not reported
EPA ID: CAD076941103
Area Name: SOILS
Corrective Action: CMI WORKPLAN APPROVED
Actual Date: 19971231
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: STAUFFER MANAGEMENT COMPANY LLC
Address: 2112 EAST 223RD STREET
Address 2: Not reported
EPA ID: CAD076941103
Area Name: ENTIRE FACILITY
Corrective Action: REMEDY CONSTRUCTION-REMEDY CONSTRUCTED
Actual Date: 20090101
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: STAUFFER MANAGEMENT COMPANY LLC
Address: 2112 EAST 223RD STREET
Address 2: Not reported
EPA ID: CAD076941103
Area Name: ENTIRE FACILITY

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

Corrective Action: HUMAN EXPOSURES CONTROLLED DETERMINATION-MORE INFORMATION NEEDED
Actual Date: 19980601
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: STAUFFER MANAGEMENT COMPANY LLC
Address: 2112 EAST 223RD STREET
Address 2: Not reported
EPA ID: CAD076941103
Area Name: ENTIRE FACILITY
Corrective Action: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Actual Date: 20080514
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: STAUFFER MANAGEMENT COMPANY LLC
Address: 2112 EAST 223RD STREET
Address 2: Not reported
EPA ID: CAD076941103
Area Name: ENTIRE FACILITY
Corrective Action: RELEASE TO GW CONTROLLED DETERMINATION-FACILITY DOES NOT MEET DEFINITION
Actual Date: 19980601
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Click this hyperlink while viewing on your computer to access
2 additional CORRACTS: record(s) in the EDR Site Report.

RCRA TSDF:
Treatment Storage and Disposal Type: Incineration, Storage, Treatment
Full Enforcement Universe: Not reported
Corrective Action Workload Universe: Yes
Permit Renewals Workload Universe: Not reported
Permit Workload Universe: Not reported
Permit Progress Universe: Incineration, Storage, Treatment
Post-Closure Workload Universe: Not reported
Closure Workload Universe: Not reported
Operating TSDF Universe: Not reported
Commercial TSD Indicator: No
Active Site Fed-Reg Treatment Storage and Disposal Facility: Not reported
Active Site Converter Treatment storage and Disposal Facility: Not reported
Active Site State-Reg Treatment Storage and Disposal Facility: Not reported
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: No
TSDFs Only Subject to CA under Discretionary Auth Universe: No

Biennial: List of Years
Year: 2011

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

Click Here for Biennial Reporting System Data:
Year: 2009

Click Here for Biennial Reporting System Data:
Year: 2007

Click Here for Biennial Reporting System Data:
Year: 2005

Click Here for Biennial Reporting System Data:
Year: 2001

Click Here for Biennial Reporting System Data:

RCRA Listings:

Date Form Received by Agency:	20120912
Handler Name:	Stauffer Management Company Llc
Handler Address:	2112 EAST 223RD STREET
Handler City,State,Zip:	CARSON, CA 90745
EPA ID:	CAD076941103
Contact Name:	CHARLES ELMENDORF
Contact Address:	CONCORD PIKE, PO BOX 15437
Contact City,State,Zip:	WILMINGTON, DE 19850-5437
Contact Telephone:	302-885-7048
Contact Fax:	302-885-7048
Contact Email:	Not reported
Contact Title:	ENV DIRECTOR
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	2011
Accessibility:	Not reported
Active Site Indicator:	Handler Activities, Corrective Action Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	CONCORD PIKE, PO BOX 15437
Mailing City,State,Zip:	WILMINGTON, DE 19850
Owner Name:	Stauffer Management Company Llc
Owner Type:	Private
Operator Name:	Stauffer Management Company Llc
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	Yes
Subject to Corrective Action Universe:	Yes
Non-TSDFs Where RCRA CA has Been Imposed Universe:	Yes
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	Yes
Groundwater Controls Indicator:	Yes
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20121106
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2011

Click Here for Biennial Reporting System Data:
Year: 2009

Click Here for Biennial Reporting System Data:
Year: 2007

Click Here for Biennial Reporting System Data:
Year: 2005

Click Here for Biennial Reporting System Data:
Year: 2001

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:

Waste Code:	D002
Waste Description:	CORROSIVE WASTE
Waste Code:	D028
Waste Description:	1,2-DICHLOROETHANE
Waste Code:	D040
Waste Description:	TRICHLORETHYLENE
Waste Code:	D043
Waste Description:	VINYL CHLORIDE

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	STAUFFER MANAGEMENT COMPANY LLC
Legal Status:	Private
Date Became Current:	20001208
Date Ended Current:	Not reported
Owner/Operator Address:	1800 CONCORD PIKE, NW3-157, PO BOX
Owner/Operator City,State,Zip:	WILMINGTON, DE 19850-5437
Owner/Operator Telephone:	302-886-5123
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	STAUFFER MANAGEMENT COMPANY LLC
Legal Status:	Private
Date Became Current:	19590101
Date Ended Current:	Not reported
Owner/Operator Address:	1800 CONCORD PIKE, PO BOX 15437
Owner/Operator City,State,Zip:	WILMINGTON, DE 19850
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	STAUFFER MANAGEMENT COMPANY LLC
Legal Status:	Private
Date Became Current:	20001208
Date Ended Current:	Not reported
Owner/Operator Address:	1800 CONCORD PIKE
Owner/Operator City,State,Zip:	WILMINGTON, DE 19850-5437
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	STAUFFER CHEMICAL COMPANY
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NYALA FARM ROAD
Owner/Operator City,State,Zip:	WESTPORT, CT 06880
Owner/Operator Telephone:	203-222-3000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	STAUFFER CHEMICAL COMPANY
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NYALA FARM ROAD
Owner/Operator City,State,Zip:	CITY NOT REPORTED, CT 99999
Owner/Operator Telephone:	203-222-3000

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: STAUFFER MANAGEMENT COMPANY LLC	
Legal Status:	Private
Date Became Current:	20001208
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: STAUFFER MANAGEMENT COMPANY LLC	
Legal Status:	Private
Date Became Current:	19590101
Date Ended Current:	Not reported
Owner/Operator Address:	1800 CONCORD PIKE, PO BOX 15437
Owner/Operator City,State,Zip:	WILMINGTON, DE 19850
Owner/Operator Telephone:	302-885-7048
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: STAUFFER MANAGEMENT COMPANY LLC	
Legal Status:	Private
Date Became Current:	20001208
Date Ended Current:	Not reported
Owner/Operator Address:	P.O. BOX 15437
Owner/Operator City,State,Zip:	WILMINGTON, DE 19850
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: STAUFFER MANAGEMENT COMPANY LLC	
Legal Status:	Private
Date Became Current:	20001208
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: STAUFFER MANAGEMENT COMPANY LLC	
Legal Status:	Private
Date Became Current:	20001208
Date Ended Current:	Not reported

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: STAUFFER MANAGEMENT COMPANY LLC
Legal Status: Private
Date Became Current: 20001208
Date Ended Current: Not reported
Owner/Operator Address: P.O. BOX 15437
Owner/Operator City,State,Zip: WILMINGTON, DE 19850
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: STAUFFER MANAGEMENT COMPANY LLC
Legal Status: Private
Date Became Current: 20001208
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20100519
Handler Name: STAUFFER MANAGEMENT COMPANY LLC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20120912
Handler Name: STAUFFER MANAGEMENT COMPANY LLC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

Receive Date: 19960901
Handler Name: STAUFFER CHEM CO PLASTICS DIV
Federal Waste Generator Description: Not a generator, verified
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20060223
Handler Name: STAUFFER MANAGEMENT COMPANY LLC
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19800815
Handler Name: STAUFFER CHEM CO PLASTICS DIV
Federal Waste Generator Description: Large Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19990415
Handler Name: STAUFFER MANAGEMENT COMPANY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20001012
Handler Name: STAUFFER MANAGEMENT COMPANY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20020225
Handler Name: STAUFFER MNGMT CO LLC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20060223
Handler Name: STAUFFER MANAGEMENT COMPANY LLC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20080219
Handler Name: STAUFFER MANAGEMENT COMPANY LLC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 32511
NAICS Description: PETROCHEMICAL MANUFACTURING

NAICS Code: 325188
NAICS Description: ALL OTHER BASIC INORGANIC CHEMICAL MANUFACTURING

NAICS Code: 325199
NAICS Description: ALL OTHER BASIC ORGANIC CHEMICAL MANUFACTURING

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

NAICS Code: 325211
NAICS Description: PLASTICS MATERIAL AND RESIN MANUFACTURING

NAICS Code: 325212
NAICS Description: SYNTHETIC RUBBER MANUFACTURING

NAICS Code: 42269
NAICS Description: OTHER CHEMICAL AND ALLIED PRODUCTS WHOLESALERS

Has the Facility Received Notices of Violations:
Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: LDR - General
Date Violation was Determined: 19910625
Actual Return to Compliance Date: 19910625
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 003
Date of Enforcement Action: 19911217
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 300
Final Monetary Amount: 300
Paid Amount: Not reported
Final Count: 1
Final Amount: 300

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19870331
Actual Return to Compliance Date: 19870914
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 002
Date of Enforcement Action: 19870528
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19870331
Actual Return to Compliance Date: 19870914
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

Date of Enforcement Action: 19870401
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: LDR - General
Date Violation was Determined: 19910625
Actual Return to Compliance Date: 19910625
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 003

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

Date of Enforcement Action:	19911217
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	300
Final Monetary Amount:	300
Paid Amount:	Not reported
Final Count:	1
Final Amount:	300

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19910625
Actual Return to Compliance Date:	19910625
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	003
Date of Enforcement Action:	19911217
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	300
Final Monetary Amount:	300
Paid Amount:	Not reported
Final Count:	1
Final Amount:	300

Evaluation Action Summary:

Evaluation Date:	19910628
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19910625
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20000804
Evaluation Responsible Agency:	EPA
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	CSEIT
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19870331
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	NON-FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19870914
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19890317
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19870331
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	NON-FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19870914
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19870930
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19890321
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19910628
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19910625
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

Evaluation Date:	19910628
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19910625
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

ENVIROSTOR:

Name:	STAUFFER MANAGEMENT COMPANY LLC
Address:	2112 E 223RD ST
City,State,Zip:	CARSON, CA 907450000
Facility ID:	80001681
Status:	Inactive - Needs Evaluation
Status Date:	11/01/2018
Site Code:	Not reported
Site Type:	Corrective Action
Site Type Detailed:	Corrective Action
Acres:	0
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	MBR
Program Manager:	Not reported
Supervisor:	* Unknown
Division Branch:	Cleanup Chatsworth
Assembly:	64
Senate:	35
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.82332
Longitude:	-118.2345
APN:	7315008049
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	7315008049
Alias Type:	APN
Alias Name:	CAD076941103
Alias Type:	EPA Identification Number
Alias Name:	19280083
Alias Type:	Envirostor ID Number
Alias Name:	80001681
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	Sites With No Operable Unit
Completed Sub Area Name:	SOILS
Completed Document Type:	Design/Implementation Workplan
Completed Date:	12/31/1997
Comments:	Remedial Design and Implementation Plan Approved per Site Mit database.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Assessment Report
Completed Date:	07/31/1987
Comments:	Not reported
Completed Area Name:	Sites With No Operable Unit
Completed Sub Area Name:	SOILS
Completed Document Type:	RFI Report
Completed Date:	07/16/1996

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: SOILS
Completed Document Type: RFI Workplan
Completed Date: 03/01/1995
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 09/01/1987
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: SOILS
Completed Document Type: Corrective Measures Study Report
Completed Date: 01/30/1997
Comments: This is RI/FS Per Site Mit database

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: SOILS
Completed Document Type: Corrective Measures Study Workplan
Completed Date: 01/30/1997
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: SOILS
Completed Document Type: Corrective Measure Implementation Workplan
Completed Date: 12/31/1997
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Construction Complete
Completed Date: 01/01/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Human Exposure Controlled
Completed Date: 06/01/1998
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled
Completed Date: 06/01/1998
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled
Completed Date: 04/16/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

Completed Sub Area Name: Not reported
Completed Document Type: Human Exposure Controlled
Completed Date: 05/14/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Questionnaire
Completed Date: 05/17/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 11/30/1998
Comments: THE ANALOGOUS REVIEW TEAM CONCLUDED THAT THE 1982 AND 1986 SITE INVESTIGATIONS IN CONJUNCTION WITH THE 1995 RI CONSTITUTE AN ANALOGOUS RFA. RSARACINO 19980601.15:05S

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: SOILS
Completed Document Type: Remedy Selection and Statement of Basis
Completed Date: 06/25/1997
Comments: Remedial Action Plan approved per Site Mit database

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 07/27/1994
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

CPS-SLIC:
Name: CITY OF CARSON - ATKEMIX THIRTY SEVEN INC.
Address: 2112 E. 223RD ST
City,State,Zip: CARSON, CA 90745
Region: STATE
Facility Status: **Open - Inactive**
Status Date: 01/30/2015
Global Id: SLT43298296
Lead Agency: DEPARTMENT OF TOXIC SUBSTANCES CONTROL
Lead Agency Case Number: 80001681
Latitude: 33.824283
Longitude: -118.23659
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 0496B6

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

File Location: Not reported
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Calsite:
Name: STAUFFER CHEMICAL, CARSON
Address: 2112 EAST 223RD STREET
City: CARSON
Region: CYPRESS
Facility ID: 19280083
Facility Type: RP
Type: RESPONSIBLE PARTY
Branch: SB
Branch Name: SO CAL - CYPRESS
File Name: Not reported
State Senate District: 04251996
Status: ANNUAL WORKPLAN (AWP) - ACTIVE SITE
Status Name: ANNUAL WORKPLAN - ACTIVE SITE
Lead Agency: DEPT OF TOXIC SUBSTANCES CONTROL
NPL: Not Listed
SIC Code: 28
SIC Name: MANU - CHEMICALS & ALLIED PRODUCTS
Access: Not reported
Cortese: Not reported
Hazardous Ranking Score: Not reported
Date Site Hazard Ranked: Not reported
Groundwater Contamination: Not reported
Staff Member Responsible for Site: JSPISZMA
Supervisor Responsible for Site: Not reported
Region Water Control Board: LA
Region Water Control Board Name: LOS ANGELES
Lat/Long Direction: Not reported
Lat/Long (dms): 0 0 0 / 0 0 0
Lat/long Method: Not reported
Lat/Long Description: Not reported
State Assembly District Code: 55
State Senate District Code: 28
Facility ID: 19280083
Activity: DISC
Activity Name: DISCOVERY
AWP Code: Not reported
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 03161981
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19280083
Activity:	ORDER
Activity Name:	I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code:	ISE
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	06271994
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19280083
Activity:	RIFS
Activity Name:	REMEDIAL INVESTIGATION / FEASIBILITY STUDY
AWP Code:	SOIL
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	01301997
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19280083
Activity:	RAP

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

Activity Name:	REMEDIAL ACTION PLAN / RECORD OF DECISION
AWP Code:	SOIL
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	06251997
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19280083
Activity:	DES
Activity Name:	DESIGN
AWP Code:	SOIL
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	12311997
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19280083
Activity:	RMDL
Activity Name:	REMEDIAL ACTION (RAP REQUIRED)
AWP Code:	GW
Proposed Budget:	0
AWP Completion Date:	09302007
Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19280083
Activity:	CERT
Activity Name:	CERTIFICATION
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	12312008
Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19280083
Activity:	OM
Activity Name:	OPERATION & MAINTENANCE
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	12312039
Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19280083
Activity:	RIFS
Activity Name:	REMEDIAL INVESTIGATION / FEASIBILITY STUDY
AWP Code:	GW
Proposed Budget:	0
AWP Completion Date:	12312005
Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19280083
Activity:	RAP
Activity Name:	REMEDIAL ACTION PLAN / RECORD OF DECISION
AWP Code:	GW
Proposed Budget:	0
AWP Completion Date:	09302006
Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19280083
Activity:	RMDL
Activity Name:	REMEDIAL ACTION (RAP REQUIRED)
AWP Code:	SOIL
Proposed Budget:	0

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	02181999
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	325000
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	N
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19280083
Activity:	DES
Activity Name:	DESIGN
AWP Code:	GW
Proposed Budget:	0
AWP Completion Date:	03312007
Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19280083
Activity:	CEQA
Activity Name:	CEQA INCLUDING NEGATIVE DECS
AWP Code:	SOIL
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	06251997
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19280083
Activity:	CHP65
Activity Name:	AMENDED ORDER/AGREEMENT, CHAPTER 6.5 TRANSITION
AWP Code:	ORDER
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	04071999
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Alternate Address:	2112 EAST 223RD STREET
Alternate City,St,Zip:	CARSON, CA 90745
Background Info:	The Stauffer Chemical site is located at 2112 East 223rd Street in the City of Carson, Los Angeles County. The site occupies an area of approximately 25 acres. The site is an inactive polyvinyl chloride plant. The plant was deactivated in 1982 and the majority of buildings, chemical storage, and process facility have been removed and there is no active storage of hazardous waste materials at the site. 1,2 DCA or 1,2 dichloroethane and vinyl chloride are the primary constituents of concern. Soil and groundwater investigations have indicated the presence of chlorinated hydrocarbons.
Comments Date:	09251978
Comments:	HEAVY METALS & CHLOR. HYDROCARBONS.
Comments Date:	01051985
Comments:	ENFORCEMENT(OTHER) SEWER. NOTICE OF NON-COMPLI. MUST REPAIR
Comments Date:	01051985
Comments:	FLOWMETER.
Comments Date:	01301997
Comments:	DTSC reviewed and approved the revised Feasibility Study report.
Comments Date:	01301997
Comments:	This completes the approval of the RI/FS for the soil operable

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

Comments Date:	01301997
Comments:	unit.
Comments Date:	02011997
Comments:	Further remedial investigation activities to define the
Comments Date:	02011997
Comments:	vertical extent of chlorinated hydrocarbons in groundwater
Comments Date:	02011997
Comments:	are in progress. Demolition of remaining structures begun
Comments Date:	02011997
Comments:	in November 1996.
Comments Date:	02032003
Comments:	As of 12/31/02, 161,000 lbs. of total VOCs have been removed
Comments Date:	02032003
Comments:	from site soils.
Comments Date:	02041997
Comments:	DTSC approved the RI II workplan for GW.
Comments Date:	02051999
Comments:	RP submitted to DTSC draft Phase II GW Remedial Investigation
Comments Date:	02051999
Comments:	Report and draft GW Feasibility Study Workplan.
Comments Date:	02221999
Comments:	The soil treatment system is essentially complete and the
Comments Date:	02221999
Comments:	system is operating. Almost 15,000 pounds of VOCs have been
Comments Date:	02221999
Comments:	removed by the soils remediation system to date.
Comments Date:	03101986
Comments:	SOURCE ACT: (AMERICAN) MFG OF ETHL CHLORD ETHLENE DICHLORIDE,
Comments Date:	03101986
Comments:	VINYL CHLORIDE. (STAUFFER) ALOS POLYVINYL CHLORIDE & RESINS.
Comments Date:	03101986
Comments:	WASTE: WASTEWATER W/TRACE ORG CPVC RESIN CHLORINATED
Comments Date:	03101986
Comments:	HYDROCARBONS, SULFER BAUXITE, DISTILLATION HEAVY ENDS FROM
Comments Date:	03101986
Comments:	VINYL CHLOR & ETHYLENE DICHLORIDE PROD. WASTEWATER PH IS 10.5.
Comments Date:	03101986
Comments:	VAPORS OF CHLORINE, HYDROGEN, CHLORIDE, DISCHLOROETHANE
Comments Date:	03101986
Comments:	REMOVED BY SCRUBBER & DISC TO SEWER. CURRENTLY WORKING ON A
Comments Date:	03101986
Comments:	CLOSURE PLAN W/DHS.
Comments Date:	03161981
Comments:	FACILITY IDENTIFIED LA COUNTY ENGNEER'S FILE #04706
Comments Date:	03211960
Comments:	INSPECTION(LOCAL) CO ENGR. VIO-DISCH OF CHLORIDE. TEMPER-
Comments Date:	03211960
Comments:	ATURE 7 PH IN VIO.
Comments Date:	03211960
Comments:	ENFORCEMENT(OTHER) CO ENGR. VIO IN ITEM 15.
Comments Date:	03301986
Comments:	SUBMIT TO U.S. EPA.
Comments Date:	03311981
Comments:	FACILITY DRIVE-BY ACTIVE CHEMICAL COMPANY
Comments Date:	04021981
Comments:	FACILITY DRIVE-BY ASP SITE VISIT, NO INSP WAS COMPLETED.
Comments Date:	04031995

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

Comments:	THE RI WORKPLAN AND PUBLIC PARTICIPATION PLAN WERE APPROVED IN
Comments Date:	04031995
Comments:	FEBRUARY OF 1995.
Comments Date:	04081976
Comments:	INSPECTION(LOCAL) CO HLTH. POTNTIAL HZD PRESENT-VC,CHLORIN
Comments Date:	04081976
Comments:	EDC & OTHERS.
Comments Date:	04151982
Comments:	LA CO ENG INDEX 4706, PERMIT 5505J CURR
Comments Date:	04151982
Comments:	LA CO SANIT PERMIT IW 5505J
Comments Date:	04171978
Comments:	INSPECTION(STATE) AIR RESOURCE BOARD. SAMPLE SHOWED HIGH
Comments Date:	04171978
Comments:	CONCENTRATION OF VINYL CHLORIDE.
Comments Date:	04181997
Comments:	The May 1997 Fact Sheet #2 was completed.
Comments Date:	04251995
Comments:	TSD facility--large quantity generator.
Comments Date:	04261995
Comments:	5-20-TSD. CAD 020764050/NO WATERBOARD VGT PROGRAM.
Comments Date:	04301997
Comments:	Draft RAP for the soil operable unit was completed.
Comments Date:	05131981
Comments:	INSPECTION(STATE) INSP COMPLETED.SITE REGULATED.
Comments Date:	06251997
Comments:	DTSC approved soil RAP and Negative Declaration. The selected
Comments Date:	06251997
Comments:	alternative addresses the soil operable unit as an interim
Comments Date:	06251997
Comments:	measure. The project includes vapor and liquid extraction with
Comments Date:	06251997
Comments:	vapor and liquid treatment for soils. The interim cleanup
Comments Date:	06251997
Comments:	number for 1,2, DCA is 20 ppm.
Comments Date:	07032002
Comments:	Nine on-site GW wells were installed from March to July to
Comments Date:	07032002
Comments:	aid in vertical characterization of groundwater contamination.
Comments Date:	07071994
Comments:	Consent Order signed, 01/30/97 RI/FS for soil approved.
Comments Date:	07091999
Comments:	Field work started in the eastern portion of the property to
Comments Date:	07091999
Comments:	install a deep well in the E-zone, well 9E, and CPT will be
Comments Date:	07091999
Comments:	done.
Comments Date:	08031982
Comments:	FACILITY DRIVE-BY ASP. NO SIGN OF ON-SITE DISP.
Comments Date:	08031982
Comments:	PRE LOC: 23208 S.ALAMEDA(#19-28-0130)
Comments Date:	08071985
Comments:	FACILITY DRIVE-BY ASAP. U/G TANKS, REMOVAL OF SOME STRUCTR
Comments Date:	08071985
Comments:	FACILITY INACTIVE.
Comments Date:	08211998
Comments:	Air Permit was issued by SCAQMD. On 08/25/98, the oxidizer

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

Comments Date: 08211998
Comments: will be calibrated and be prepared to run using propane.
Comments Date: 08211998
Comments: On 08/27/98, RP will start connecting wells to the system by
Comments Date: 08211998
Comments: early September, RP will be starting up the system for soil O.U.
Comments Date: 09231999
Comments: DTSC received revised GW Health Risk Assessment and is under
Comments Date: 09231999
Comments: review.
Comments Date: 09251978
Comments: ENFORCEMENT(OTHER) RWQCB. LETTER-POSSIBLE ISSUANCE OF OTC
Comments Date: 09251978
Comments: DISCH IN EXCESS OF LIMIT FOR OIL,GREASE,
Comments Date: 09301997
Comments: DTSC received draft Design Plans and Implementation Plans for
Comments Date: 09301997
Comments: review and comment.
Comments Date: 10021979
Comments: ENFORCEMENT(OTHER) LACSD. FAILURE TO IMPLEMENT REVIDED
Comments Date: 10021979
Comments: INDUST WASTE DISCH REQ.
Comments Date: 12081981
Comments: ENFORCEMENT(OTHER) LACSD. NOV. IMPLEMENT REVISED INDUST
Comments Date: 12081981
Comments: WASTEWATER DISCH REQ FOR ETHYLENE DICHLR
Comments Date: 12131983
Comments: INSPECTION(STATE) DHS/FPU. INSP OF EMPTY TANKS. REQ OF
Comments Date: 12131983
Comments: CHAR PLAN. SUBMITTED ON 1/85.
Comments Date: 12311997
Comments: Soil remedial Design and Implementation Plans were approved by
Comments Date: 12311997
Comments: DTSC.
ID Name: CALSTARS CODE
ID Value: 400264
ID Name: HWIS IDENTIFICATION CODE
ID Value: CAD076941103
ID Name: EPA IDENTIFICATION NUMBER
ID Value: CAD076941103
Alternate Name: STAUFFER CHEMICAL, CARSON
Alternate Name: AMERICAN CHEMICAL CORP (1959-1975)
Alternate Name: STAUFFER MANAGEMENT COMPANY (1987-CURREN
Alternate Name: ATKEMIX 37 INC.
Alternate Name: ASTRA ZENECA
Alternate Name: Not reported
Special Programs Code: C104
Special Programs Name: CERCLA 104

HIST UST:
Name: STAUFFER CHEMICAL COMPANY
Address: 2112 EAST 223RD STREET
City,State,Zip: CARSON, CA 90745
File Number: 00028875
URL: https://documents.geotracker.waterboards.ca.gov/ustpdfs/pdf/00028875.pdf
Region: STATE
Facility ID: 00000003022

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

Facility Type:	Other
Other Type:	PETROCHEMICAL
Contact Name:	W. F. STIEF
Telephone:	2138348571
Owner Name:	STAUFFER CHEMICAL COMPANY
Owner Address:	NYALA FARM ROAD
Owner City,St,Zip:	WESTPORT, CT 06881
Total Tanks:	0010
Tank Num:	001
Container Num:	T-612
Year Installed:	1962
Tank Capacity:	00000500
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	002
Container Num:	T-613
Year Installed:	1974
Tank Capacity:	00002000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	003
Container Num:	TANK FARM
Year Installed:	1965
Tank Capacity:	00325000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	16
Leak Detection:	Visual
Tank Num:	004
Container Num:	1
Year Installed:	1959
Tank Capacity:	00000000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	10
Leak Detection:	Visual
Tank Num:	005
Container Num:	2
Year Installed:	1959
Tank Capacity:	00024000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	10
Leak Detection:	Visual
Tank Num:	006
Container Num:	5
Year Installed:	1964

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

Tank Capacity: 00014000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 15
Leak Detection: Visual

Tank Num: 007
Container Num: 4
Year Installed: 1962
Tank Capacity: 00021000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 12
Leak Detection: Visual

Tank Num: 008
Container Num: #3 SUMP
Year Installed: 1978
Tank Capacity: 00097000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 15
Leak Detection: Visual

Tank Num: 009
Container Num: 6
Year Installed: 1959
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 12
Leak Detection: Visual

Tank Num: 010
Container Num: 7
Year Installed: 1978
Tank Capacity: 00009000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 6
Leak Detection: Visual

Click here for Geo Tracker PDF:

2020 COR ACTION:
EPA ID: CAD076941103
Region: 9
Action: Remedy Construction

HWP:
EPA ID: CAD076941103
Name: STAUFFER MANAGEMENT COMPANY LLC
Address: 2112 E 223RD ST
Cleanup Status: UNDERGOING CLOSURE
Latitude: 33.82332
Longitude: -118.2345

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

Facility Type:	Historical - Non-Operating
Facility Size:	Not reported
Supervisor:	Not reported
Site Code:	Not reported
Senate District:	35
Assembly District:	64
Public Information Officer:	Not reported
Commercial Offsite Facility Types:	Not reported
Quarterly Update:	This facility is also known as Stauffer Chemical Co. This facility manufactured ethylene chloride/dichloride, vinyl chloride, and polyvinyl chloride resins. This facility Received an ISD on 4/6/81. After obtaining the ISD, Stauffer requested amendments to their ISD to add an incinerator to the ISD. The incinerator was needed as Stauffer was no longer able to dispose distillation heavy ends. DTSC amended the ISD on 9/18/81. Stauffer did not pursue a Part B permit but rather shut down the operation and closed the facility. Facility operation ceased in May 1982 and Stauffer sent a notification letter to EPA on 10/22/82 stating facility shut down and closure was completed. Although Stauffer had already conducted closure activity, they did not notify EPA/DHS of their closure and did not go through the formal closure process. Therefore, they were required to submit Closure Plans after the fact of facility closure. Stauffer submitted closure plans to DHS on 6/17/83 and 5/4/83. Facility structures were demolished in 1985. File records do not show the closure of the facility being approved and closure being certified/verified. Instead, closure/cleanup of the facility was undertaken by site mitigation. On 7/7/94 a consent agreement & Imminent and substantial endangerment order was issued by Site Mit to require remediation of the site. Refer to site mitigation database for site cleanup details. It looks like site clean up is still active at this facility. 4/25/2018- Consent order dated 06/27/1994 was uploaded from cleanup to refer facility to CERCLA for cleanup. PM, Isaac Hirbawi, confirmed that this site is still open and undergoing cleanup.
Project Manager Lead:	Not reported
Project Manager:	Not reported
Permit Type:	RCRA
Permit Effective Date:	Not reported
Permit Expiration Date:	Not reported
Calenviroscreen Score:	NA
Total Planned Hours:	Not reported
Total Planned Amount:	Not reported
Total Actual Hours:	Not reported

Activities:

EPA ID:	CAD076941103
Facility Type:	Historical - Non-Operating
Facility Name:	STAUFFER MANAGEMENT COMPANY LLC
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Status:	UNDERGOING CLOSURE
Activity Type:	New Operating Permit
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	Not reported
Type:	Not reported
Title Description:	Imported 12/2011:PERMIT
Due Date:	Not reported

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

Comments: Revised Part A application with additional units.
Unit Names: INCINERTR, TANKSTR1, TANKSTR2, TANKTRT1, TANKTRT2
Event Description: New Operating Permit - APPLICATION PART A RECEIVED
Actual Date: 12/13/1980

Closure:
EPA ID: CAD076941103
Facility Type: Historical - Non-Operating
Facility Name: STAUFFER MANAGEMENT COMPANY LLC
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Size: Not reported
Facility Status: UNDERGOING CLOSURE
Activity Type: Referred for closure to other agency
Final Date: Not reported
Type: RCRA
Title Description: REFERRED TO SITE CLEANUP - CERCLA
Due Date: Not reported
Comments: Not reported
Unit Names: INCINERTR, TANKSTR1, TANKSTR2, TANKTRT1, TANKTRT2
Event Description: Referred for closure to other agency - REFERRED FOR CLOSURE TO OTHER AGENCY
Actual Date: 06/27/1994

EPA ID: CAD076941103
Facility Type: Historical - Non-Operating
Facility Name: STAUFFER MANAGEMENT COMPANY LLC
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Size: Not reported
Facility Status: UNDERGOING CLOSURE
Activity Type: Closure
Final Date: Not reported
Type: Not reported
Title Description: Imported 12/2011:CLOSURE
Due Date: Not reported
Comments: CP submitted, Facility submitted CP after they conducted closure activity. See facility description for details.
Unit Names: INCINERTR, TANKSTR1, TANKSTR2, TANKTRT1, TANKTRT2
Event Description: Closure - CLOSURE PLAN RECEIVED
Actual Date: 06/17/1983

Alias:
EPA ID: CAD076941103
Facility Type: Historical - Non-Operating
Facility Name: STAUFFER MANAGEMENT COMPANY LLC
Facility Status: UNDERGOING CLOSURE
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Alias Type: Envirostor ID Number
Alias: 19280083

STAUFFER MANAGEMENT COMPANY LLC (Continued) **1000424829**

CERS:
Name: CITY OF CARSON - ATKEMIX THIRTY SEVEN INC.
Address: 2112 E. 223RD ST
City,State,Zip: CARSON, CA 90745
Site ID: 257695
CERS ID: SLT43298296
CERS Description: Cleanup Program Site

T96 **L.A. ORDNANCE DEPOT WILIMINGTON** **ENVIROSTOR** **S107736553**
SSW **N/A**
1/2-1 **WILMINGTON, CA**
0.757 mi.
3996 ft. **Site 3 of 4 in cluster T**

Relative: Higher

Actual: 31 ft.

ENVIROSTOR:
Name: L.A. ORDNANCE DEPOT WILIMINGTON
Address: Not reported
City,State,Zip: WILMINGTON, CA
Facility ID: 80001029
Status: Inactive - Needs Evaluation
Status Date: 08/15/2018
Site Code: Not reported
Site Type: Military Evaluation
Site Type Detailed: FUDS
Acres: 20
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Patrick Hsieh
Division Branch: Cleanup Cypress
Assembly: 64
Senate: 35
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: DERA
Latitude: 33.8
Longitude: -118.2330
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CA99799FA42000
Alias Type: Federal Facility ID
Alias Name: J09CA7393
Alias Type: INPR
Alias Name: 80001029
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Munitions Response Site Prioritization Protocol (MRSPP)
Completed Date: 07/16/1999
Comments: Not reported

L.A. ORDNANCE DEPOT WILIMINGTON (Continued) **S107736553**

Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

T97 **MANUEL WAREHOUSE** **ENVIROSTOR** **S107736664**
SSW **N/A**
1/2-1 **SAN PEDRO, CA**
0.762 mi.
4022 ft. **Site 4 of 4 in cluster T**

Relative:
Higher

Actual:
30 ft.

ENVIROSTOR:

Name:	MANUEL WAREHOUSE
Address:	Not reported
City,State,Zip:	SAN PEDRO, CA
Facility ID:	80001099
Status:	Inactive - Needs Evaluation
Status Date:	07/01/2005
Site Code:	Not reported
Site Type:	Military Evaluation
Site Type Detailed:	FUDS
Acres:	0
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Douglas Bautista
Division Branch:	Cleanup Cypress
Assembly:	64
Senate:	35
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	DERA
Latitude:	33.8
Longitude:	-118.2333
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CA99799FA42600
Alias Type:	Federal Facility ID
Alias Name:	J09CA7399
Alias Type:	INPR
Alias Name:	80001099
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Inventory Project Report (INPR)
Completed Date:	07/16/1999

MANUEL WAREHOUSE (Continued) **S107736664**

Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

98
NNE
1/2-1
0.764 mi.
4035 ft.

LONG BEACH USD-BOARD BUILDING
1515 HUGHES WAY
LONG BEACH, CA 90810

ENVIROSTOR
SCH
HAZNET
CERS
HWTS

S113174669
N/A

Relative:
Higher

Actual:
41 ft.

ENVIROSTOR:

Name:	LONG BEACH USD MASTER OVERSIGHT AGREEMENT
Address:	1515 HUGHES WAY
City,State,Zip:	LONG BEACH, CA 90810
Facility ID:	60002177
Status:	Active
Status Date:	03/10/2015
Site Code:	404908
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	0
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Shahir Haddad
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	, 70
Senate:	, 35
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	33.82890
Longitude:	-118.2136
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	404908
Alias Type:	Project Code (Site Code)
Alias Name:	60002177
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence
Completed Date:	10/06/2021

LONG BEACH USD-BOARD BUILDING (Continued) **S113174669**

Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Standard Voluntary Agreement
Completed Date:	09/16/2016
Comments:	District requested adding, via email of 06/16/16, two sites to Exhibit A of the Master VCA.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Standard Voluntary Agreement
Completed Date:	11/02/2015
Comments:	Copy of fully executed Master VCA sent to District via regular mail.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Amendment - Order/Agreement
Completed Date:	03/21/2016
Comments:	Sent Revised Exhibit A to District to replace the exhibit in the Master VCA.
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

SCH:

Name:	LONG BEACH USD MASTER OVERSIGHT AGREEMENT
Address:	1515 HUGHES WAY
City,State,Zip:	LONG BEACH, CA 90810
Facility ID:	60002177
Site Type:	School Investigation
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	0
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Shahir Haddad
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	404908
Assembly:	, 70
Senate:	, 35
Special Program Status:	Not reported
Status:	Active
Status Date:	03/10/2015
Restricted Use:	NO
Funding:	School District

LONG BEACH USD-BOARD BUILDING (Continued) **S113174669**

Latitude:	33.82890
Longitude:	-118.2136
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	404908
Alias Type:	Project Code (Site Code)
Alias Name:	60002177
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence
Completed Date:	10/06/2021
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Standard Voluntary Agreement
Completed Date:	09/16/2016
Comments:	District requested adding, via email of 06/16/16, two sites to Exhibit A of the Master VCA.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Standard Voluntary Agreement
Completed Date:	11/02/2015
Comments:	Copy of fully executed Master VCA sent to District via regular mail.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Amendment - Order/Agreement
Completed Date:	03/21/2016
Comments:	Sent Revised Exhibit A to District to replace the exhibit in the Master VCA.

Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

HAZNET:

Name:	LONG BEACH USD-BOARD BUILDING
Address:	1515 HUGHES WAY
Address 2:	Not reported
City,State,Zip:	LONG BEACH, CA 908100000
Contact:	RON HOPPE
Telephone:	5629977504
Mailing Name:	Not reported

LONG BEACH USD-BOARD BUILDING (Continued) **S113174669**

Mailing Address: 2425 WEBSTER AVE

Year: 2000
Gepaid: CAR000059451
TSD EPA ID: CAD028409019
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: H01 - Transfer Station
Tons: 0.0425

Year: 2000
Gepaid: CAR000059451
TSD EPA ID: CAD028409019
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: T01 - Treatment, Tank
Tons: 0.834

Additional Info:
Year: 2000
Gen EPA ID: CAR000059451

Shipment Date: 20001221
Creation Date: 3/22/2001 0:00:00
Receipt Date: 20001228
Manifest ID: 99693060
Trans EPA ID: CAD983608258
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD028409019
Trans Name: Not reported
TSDF Alt EPA ID: CAD028409019
TSDF Alt Name: Not reported
Waste Code Description: 223 - Unspecified oil-containing waste
RCRA Code: Not reported
Meth Code: H01 - Transfer Station
Quantity Tons: 0.0425
Waste Quantity: 85
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20001221
Creation Date: 3/5/2001 0:00:00
Receipt Date: 20001221
Manifest ID: 99693059
Trans EPA ID: CAD983608258
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD028409019
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported

LONG BEACH USD-BOARD BUILDING (Continued) **S113174669**

Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.834
Waste Quantity:	200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CERS:

Name:	ADMINISTRATION BUILDING
Address:	1515 HUGHES WAY
City,State,Zip:	LONG BEACH, CA 90810
Site ID:	361558
CERS ID:	10652482
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	361558
Site Name:	Administration Building
Violation Date:	10-29-2015
Citation:	HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Description:	Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 01/12/2016.
Violation Division:	Long Beach Environmental Heath
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	361558
Site Name:	Administration Building
Violation Date:	05-17-2019
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Returned to compliance on 07/25/2019. OBSERVATION: Owner/Operator failed to review, revise, and re-certify the business plan at least once every year. CORRECTIVE ACTION: Review, revise, and re-certify the business plan at least once every year. Last submittal 12/21/2017.
Violation Division:	Long Beach Environmental Heath
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	361558
Site Name:	Administration Building
Violation Date:	10-29-2015
Citation:	HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description:	Business Plan Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 01/12/2016. PROVIDE COPY OF CURRENT CUPA AND

LONG BEACH USD-BOARD BUILDING (Continued) **S113174669**

FIRE PERMIT.
Violation Division: Long Beach Environmental Heath
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-16-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On-site to complete a Hazardous Materials Business Plan compliance inspection. Permission to inspect granted by: Terry Cormack Inspection included a review of all hazardous materials on-site, and review of facility submittal in CERS against on-site conditions. Inspection also included verification of current Business License and Operational Permit(s). OBSERVATION: Owner/Operator did not obtain, maintain, and/or properly display a valid Operating Fire Permit for the storage/handling/use of Flammable and Combustible Liquids. CFC 105.1.1 through 105.7.18 CORRECTIVE ACTION: Obtain, maintain, and properly display a valid Operating Fire Permit for the storage/handling/use of Flammable and Combustible Liquids. A fire permit invoice will be sent to your facility, pay all fees due. Business Owner/Operator is responsible for the submittal of additional programs, and to obtain and maintain current applicable business license and operational permit(s) that pertain to the [Truncated]
Eval Division: Long Beach Environmental Heath
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-17-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: ---Initial Inspection-05-16-2019 ---1st Re-inspection-07-17-2019 Operational Fire Permit for Flammable and Combustible Liquids has been obtained and is current. HMBP submittal via CERS website remains outstanding. Please visit https://cers.calepa.ca.gov/businesses/ for Hazardous Material Business Plan (HMBP) submittal. Hazardous Materials Business Plan is required to be submitted annually pursuant to California Health and Safety Code (HSC) Chapter 6.95 section 25508(a)(1)(A). Failure to electronically report as required may result in administrative, civil, and criminal penalties. Be advised, a re-inspection fee of 150% of the CUPA permit will be assessed if the violations are not corrected prior to the re-inspection date. Re-inspection has been scheduled to occur on or after 07/30/2019.
Eval Division: Long Beach Environmental Heath
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-25-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Long Beach Environmental Heath
Eval Program: HMRRP
Eval Source: CERS,

LONG BEACH USD-BOARD BUILDING (Continued) **S113174669**

Eval General Type: Other/Unknown
Eval Date: 12-03-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: REINSPECTION FOLLOWING 10/29/2015 ROUTINE. TWO PREVIOUS VIOLATIONS ARE OUTSTANDING. BOTH VIOLATIONS CORRECTED 1/12/2016.
Eval Division: Long Beach Environmental Heath
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-29-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Long Beach Environmental Heath
Eval Program: HMRRP
Eval Source: CERS,

Coordinates:
Site ID: 361558
Facility Name: Administration Building
Env Int Type Code: HMBP
Program ID: 10652482
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 33.828960
Longitude: -118.213770

Affiliation:
Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 1515 Hughes Way
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90810
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Arash Rahdari
Entity Title: Agent for Environmental Contact
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: Long Beach Unified School District
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported

LONG BEACH USD-BOARD BUILDING (Continued) **S113174669**

Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (562) 997-8000,

Affiliation Type Desc: Parent Corporation
Entity Name: Administration Building
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: CUPA District
Entity Name: Long Beach Environmental Health
Entity Title: Not reported
Affiliation Address: 2525 Grand Avenue
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90815
Affiliation Phone: (562) 570-4131,

Affiliation Type Desc: Document Preparer
Entity Name: Arash Rahdari
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: David Van Westerhuyzen
Entity Title: Not reported
Affiliation Address: 2425 Webster Avenue
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90810
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: Long Beach Unified School District
Entity Title: Not reported
Affiliation Address: 1515 Hughes Way
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90810
Affiliation Phone: (562) 997-8000,

Affiliation Type Desc: Property Owner
Entity Name: Long Beach Unified School District
Entity Title: Not reported

LONG BEACH USD-BOARD BUILDING (Continued) **S113174669**

Affiliation Address:	1515 Hughes Way
Affiliation City:	Long Beach
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90810
Affiliation Phone:	(562) 997-8000,

Name:	LONG BEACH USD MASTE
Address:	1515 HUGHES WAY
City,State,Zip:	LONG BEACH, CA 90810
Site ID:	608371
CERS ID:	60002177
CERS Description:	School Investigation

Affiliation:

Affiliation Type Desc:	Supervisor
Entity Name:	Shahir Haddad
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Lead Project Manager
Entity Name:	Shahir Haddad
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

HWTS:

Name:	LBUSD-BOARD BUILDING
Address:	1515 HUGHES WAY
Address 2:	Not reported
City,State,Zip:	LONG BEACH, CA 90810
EPA ID:	CAR000059451
Inactive Date:	Not reported
Create Date:	12/28/1999
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	2425 WEBSTER AVE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	LONG BEACH, CA 908103204
Owner Name:	LONG BEACH USD
Owner Address:	1515 HUGHES WAY
Owner Address 2:	Not reported
Owner City,State,Zip:	LONG BEACH, CA 908101865
Contact Name:	DAVID VAN WESTERHUYZEN
Contact Address:	2425 WEBSTER AVENUE
Contact Address 2:	Not reported

LONG BEACH USD-BOARD BUILDING (Continued) **S113174669**

City,State,Zip:	LONG BEACH, CA 90810
Facility Status:	Active
Facility Type:	PERMANENT
Category:	FEDERAL
Latitude:	33.828558
Longitude:	-118.21404

NAICS:

EPA ID:	CAR000059451
Create Date:	2002-03-14 16:36:30.000
NAICS Code:	61111
NAICS Description:	Elementary and Secondary Schools
Issued EPA ID Date:	1999-12-28 00:00:00
Inactive Date:	Not reported
Facility Name:	LBUSD-BOARD BUILDING
Facility Address:	1515 HUGHES WAY
Facility Address 2:	Not reported
Facility City:	LONG BEACH
Facility County:	Not reported
Facility State:	CA
Facility Zip:	908100000

V99 **SHELL OIL** **Notify 65** **S100178234**
WSW **1622 E. SEPULVEDA BLVD.** **N/A**
1/2-1 **CARSON, CA 90745**
0.778 mi.
4107 ft. **Site 1 of 3 in cluster V**

Relative: **Higher**
Actual: **34 ft.**

NOTIFY 65:

Name:	SHELL OIL
Address:	1622 E. SEPULVEDA BLVD.
City,State,Zip:	CARSON, CA 90745-6120
Date Reported:	Not reported
Staff Initials:	Not reported
Board File Number:	Not reported
Facility Type:	Not reported
Discharge Date:	Not reported
Issue Date:	Not reported
Incident Description:	Not reported
Global ID:	Not reported
Status:	Not reported

V100 **WILMINGTON COMPLEX** **Notify 65** **S100177976**
WSW **1622 EAST SEPULVEDA BLVD.** **N/A**
1/2-1 **CARSON, CA 90745**
0.778 mi.
4107 ft. **Site 2 of 3 in cluster V**

Relative: **Higher**
Actual: **34 ft.**

NOTIFY 65:

Name:	WILMINGTON COMPLEX
Address:	1622 EAST SEPULVEDA BLVD.
City,State,Zip:	CARSON, CA 90745-6120
Date Reported:	Not reported
Staff Initials:	Not reported
Board File Number:	Not reported
Facility Type:	Not reported

WILMINGTON COMPLEX (Continued) **S100177976**

Discharge Date: Not reported
Issue Date: Not reported
Incident Description: Not reported
Global ID: Not reported
Status: Not reported

V101 **WILMINGTON REFINERY - SHELL OIL COMPANY** **ENVIROSTOR** **S100183917**
WSW **1622 EAST SEPULVEDA BLVD** **N/A**
1/2-1 **WILMINGTON, CA 90745**
0.778 mi.
4107 ft. **Site 3 of 3 in cluster V**

Relative:
Higher

Actual:
34 ft.

ENVIROSTOR:

Name:	WILMINGTON REFINERY - SHELL OIL COMPANY
Address:	1622 EAST SEPULVEDA BLVD
City,State,Zip:	WILMINGTON, CA 90745
Facility ID:	19290284
Status:	Refer: Other Agency
Status Date:	05/01/1995
Site Code:	Not reported
Site Type:	Historical
Site Type Detailed:	* Historical
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Referred - Not Assigned
Division Branch:	Cleanup Cypress
Assembly:	64
Senate:	35
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.80805
Longitude:	-118.24
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	* HYDROCARBON SOLVENTS * OIL/WATER SEPARATION SLUDGE * ORGANIC LIQUIDS WITH METALS * OTHER ORGANIC SOLIDS * OTHER STILL BOTTOM WASTE * CONTAMINATED SOIL * ACID SOLUTION 2>PH WITH METALS * Sludge - Halogenated Compounds * STILL BOTTOMS WITH HALOGENATED ORGANICS * TANK BOTTOM WASTES * UNSPECIFIED ACID SOLUTION * UNSPECIFIED OIL CONTAINING WASTE * WASTE OIL & MIXED OIL * ORGANIC LIQUIDS (NONSOLVENTS) WITH HALOGENS * TETRAETHYL LEAD SLUDGE Chromium VI
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	SHELL OIL - WILMINGTON REFINERY
Alias Type:	Alternate Name
Alias Name:	CAD980881676
Alias Type:	EPA Identification Number
Alias Name:	110000476128
Alias Type:	EPA (FRS #)
Alias Name:	19290284
Alias Type:	Envirostor ID Number

Completed Info:

WILMINGTON REFINERY - SHELL OIL COMPANY (Continued) **S100183917**

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	12/09/1992
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

U102 **STAUFFER MANAGEMENT CO** **RCRA-SQG** **1001217343**
NNW **2201_E_223RD ST OFF SITE** **RESPONSE** **CAR000032516**
1/2-1 **CARSON, CA 90810** **ENVIROSTOR**
0.788 mi. **LUST**
4158 ft. **Site 3 of 3 in cluster U** **CPS-SLIC**
DEED
Relative: Higher **Cortese**
HIST CORTESE
Actual: 23 ft. **HAZNET**
CERS
HWTS

RCRA Listings:

Date Form Received by Agency:	19971010
Handler Name:	Stauffer Management Co
Handler Address:	2201_E_223RD ST OFF SITE
Handler City,State,Zip:	CARSON, CA 90810
EPA ID:	CAR000032516
Contact Name:	CAROL DICKERSON
Contact Address:	P O BOX 15438
Contact City,State,Zip:	WILMINGTON, DE 19850
Contact Telephone:	302-886-5123
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	P O BOX 15438
Mailing City,State,Zip:	WILMINGTON, DE 19850
Owner Name:	Atkemix Thirty Seven Inc
Owner Type:	Private
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20060905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D000
Waste Description:	Not Defined
Waste Code:	D028
Waste Description:	1,2-DICHLOROETHANE

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: ATKEMIX THIRTY SEVEN INC	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	P O BOX 15438
Owner/Operator City,State,Zip:	WILMINGTON, DE 19850
Owner/Operator Telephone:	302-886-5123

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: ATKEMIX THIRTY SEVEN INC
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: P O BOX 15438
Owner/Operator City,State,Zip: WILMINGTON, DE 19850
Owner/Operator Telephone: 302-886-5123
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19971010
Handler Name: STAUFFER MANAGEMENT CO
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19971010
Handler Name: STAUFFER MANAGEMENT CO
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19971010
Handler Name: STAUFFER MANAGEMENT CO
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

STAUFFER MANAGEMENT CO (Continued) **1001217343**

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

RESPONSE:

Name:	STAUFFER CHEMICAL, CARSON
Address:	2112 EAST 223RD STREET
City,State,Zip:	CARSON, CA 90745
Facility ID:	19280083
Site Type:	State Response
Site Type Detail:	State Response or NPL
Acres:	14.48
National Priorities List:	NO
Cleanup Oversight Agencies:	DTSC
Lead Agency Description:	* DTSC
Project Manager:	Irena Edwards
Supervisor:	Eileen Mananian
Division Branch:	Cleanup Cypress
Site Code:	400264
Site Mgmt. Req.:	NONE SPECIFIED
Assembly:	64
Senate:	35
Special Program Status:	* Site Char & Assess Grant (CERCLA 104)
Status:	Active
Status Date:	04/25/1996
Restricted Use:	YES
Funding:	Responsible Party
Latitude:	33.82323
Longitude:	-118.2356
APN:	NONE SPECIFIED
Past Use:	MANUFACTURING - CHEMICALS
Potential COC :	Vinyl chloride 1,2-Dichloroethane (EDC
Confirmed COC:	Vinyl chloride 1,2-Dichloroethane (EDC
Potential Description:	OTH, SOIL
Alias Name:	AMERICAN CHEMICAL CORP (1959-1975)
Alias Type:	Alternate Name
Alias Name:	ASTRA ZENECA
Alias Type:	Alternate Name
Alias Name:	ATKEMIX 37 INC.
Alias Type:	Alternate Name
Alias Name:	STAUFFER MANAGEMENT COMPANY (1987-CURREN
Alias Type:	Alternate Name
Alias Name:	CAD076941103
Alias Type:	EPA Identification Number
Alias Name:	110000749922
Alias Type:	EPA (FRS #)
Alias Name:	CAD076941103
Alias Type:	HWTS Identification Code
Alias Name:	400264

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Alias Type: Project Code (Site Code)
Alias Name: 19280083
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/30/2009
Comments: October GW Monitorng Report submittied to DTSC on November 30, 2009

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/14/2010
Comments: Stauffer submitted October 2009 quarterly Groundwater Monitoring Report on 10/24/2009

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Deed/LUR Enforcement & Implementation Plan
Completed Date: 12/21/2005
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/13/2011
Comments: October 2010 Groundwater Monitoring Report is acceptable to DTSC, no comments were necessary

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/07/2015
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/11/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 02/24/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/11/2020
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Completed Date: 02/10/2016
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Design
Completed Date: 02/22/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 11/22/2017
Comments: Action completed.

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/11/2017
Comments: Action completed. DTSC submitted comments on July 11, 2017.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/12/2018
Comments: Activity completed.

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 08/30/2017
Comments: Review completed.

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 05/24/2017
Comments: Action completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 12/07/2018
Comments: Activity completed.

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/20/2017
Comments: Action completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 04/07/1999
Comments: Not reported

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 06/25/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 02/24/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 03/03/2020
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 12/24/2021
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 07/27/2015
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 04/25/2011
Comments: Approval letter sent to Stauffer on April 25, 2011

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 05/18/2011
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Feasibility Study Report
Completed Date: 03/05/2008
Comments: DTSC approval letter was sent to Stauffer on 3/5/08

Completed Area Name: Soil Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 01/30/1997
Comments: DTSC reviewed and approved the revised Feasibility Study report. This completes the approval of the RI/FS for the soil operable unit.

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Completed Document Type: Monitoring Report
Completed Date: 11/16/2008
Comments: Final October 2008 Groundwater Monitoring Report submitted to DTSC on November 11, 2009. DTSC GSU reviewed and had not substative comments

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 04/13/2009
Comments: Approval Letter for January 30, 2009 Groundwater Feasibility Study Report transmitted to Stauffer Chemical Company on 4/13/2009

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/14/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Financial Assurance Documentation
Completed Date: 10/22/2014
Comments: Tizita Bekele of DTSC's Financial Cost Estimate Validation Group reviewed the cost estimate and approved it on July 9, 2014

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/15/2013
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 02/25/2016
Comments: Tayseer Mahmoud provided field oversight on February 24, 2016. Also, on February 25, 2016, Jose Marcos observed a portion of the quarterly groundwater sampling event. Jose met the sampler, Edwin Moncoya, and observed him performing parameter stabilization monitoring and sample collection from the flow loops inside the EISB building.

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/07/2015
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 09/28/2016
Comments: Review completed.

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/15/2015

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Comments: Stauffer submits the Waste Discharge Report to the RWQCB and no need to send a separate approval letter.

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 04/01/2015
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/07/2015
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Well Decommissioning Workplan
Completed Date: 10/06/2015
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 09/28/2016
Comments: Review completed.

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/17/2015
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 11/20/2014
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 11/20/2014
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/12/2015
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/15/2015
Comments: Not reported

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/01/2015
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 07/15/2015
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/15/2015
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/15/2014
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/04/2016
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/04/2016
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Design
Completed Date: 12/17/2014
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 02/25/2015
Comments: Tayseer Mahmoud provided field oversight on February 24, 2016. Also, on February 25, 2016 Jose Marcos observed a portion of the quarterly groundwater sampling event. Jose met the sampler Edwin Moncoya and observed him performing parameter stabilization monitoring and sample collection from the flow loops inside the EISB building.

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/15/2016
Comments: Not reported

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 03/16/1981
Comments: FACILITY IDENTIFIED LA COUNTY ENGNEER'S FILE #04706

Completed Area Name: Soil Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Mitigated Neg. Dec. (MND)
Completed Date: 06/25/1997
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 06/27/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 10/15/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 03/20/2018
Comments: Activity completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 01/07/2019
Comments: Activity completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 01/11/2018
Comments: Activity completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 03/27/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/22/2020
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Completed Date: 11/06/2019
Comments: Activity completed.

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/22/2013
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/01/2013
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/11/2013
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/12/2013
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/30/2013
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/11/2013
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/30/2015
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/15/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Financial Assurance Documentation
Completed Date: 03/17/2015
Comments: Not reported

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 02/04/2014
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/27/2014
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/30/2014
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/30/2014
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/30/2014
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/07/2014
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/04/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 12/07/2018
Comments: Activity completed.

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/07/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Completed Date: 06/21/2018
Comments: Activity completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/25/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 11/22/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/20/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 11/30/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 04/20/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 07/20/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 11/30/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 03/16/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/09/2020
Comments: Not reported

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 07/14/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Health & Safety Plan
Completed Date: 05/11/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 03/08/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/20/2013
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Operation & Maintenance Order/Agreement
Completed Date: 06/22/2015
Comments: .

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/16/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/05/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 09/01/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/07/2016
Comments: FY 2016/2017 ACE completed.

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Completed Date: 02/15/2008
Comments: Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 01/30/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/17/2012
Comments: Final January 2012 Monthly Progress Report submitted to DTSC on 2/15/2012. No DTSC comment or approval necessary

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/23/2012
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/27/2012
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/31/2012
Comments: April 2012 Monthly Progress Report was submitted to DTSC on 5/31/2012

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/09/2013
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/18/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/27/2012
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/18/2012
Comments: Not reported

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 04/09/2013
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/11/2013
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/25/2013
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Plan Amendment
Completed Date: 07/25/2013
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Plan Amendment
Completed Date: 08/15/2013
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/11/2013
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/26/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 05/07/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/30/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Completed Date: 02/11/2020
Comments: WDR Semi-Annual October 2019 DTSC is copied on this report but it is meant for the RWQCB. Information in this report is also presented in the Semi-Annual GW Monitoring reports for the site and the EISB Progress Reports. To avoid duplication of review, GSB usually does not receive this report, and focuses review on the Semi-Annual GW Monitoring Reports. The next GW Monitoring Report is the 2nd Semi 2019 which Brian indicated we will receive later this month.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 12/07/2018
Comments: Activity completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 12/07/2018
Comments: Activity completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/30/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/27/2018
Comments: Completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/09/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/03/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 02/24/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/30/2019
Comments: Not reported

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/03/2019
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Construction Complete
Completed Date: 10/20/2011
Comments: Selected Remedy for the Groundwater Operable Unit is construction and operation of an Enhanced In-situ Bioremediation System (EISB). Full scale operation of the EISB system was initiated on October 20, 2011

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 09/04/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/01/2011
Comments: Annual annual cost estimate for 2012 completed on 11/1/2011

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/05/2012
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/12/2013
Comments: Not reported

Completed Area Name: Soil Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Constructed: Operating Properly & Successfully
Completed Date: 02/18/1999
Comments: Not reported

Completed Area Name: Soil Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 12/31/1997
Comments: Soil remedial Design and Implementation Plans were approved by DTSC.

Completed Area Name: Soil Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 06/25/1997
Comments: DTSC approved soil RAP and Negative Declaration. The selected alternative addresses the soil operable unit as an interim measure. The project includes vapor and liquid extraction with vapor and

STAUFFER MANAGEMENT CO (Continued) **1001217343**

liquid treatment for soils. The interim cleanup number for 1,2, DCA is 20 ppm.

Completed Area Name: Soil Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 11/28/2007
Comments: Comments on the Pneumatic Fracturing Pilot Project Report were submitted via email on 11/28/2008

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/05/2008
Comments: This report was not a milestone document. It was prepared at the request of DTSC so that all the data on past groundwater investigation activities could be found in one report. No formal approval was necessary

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/01/2008
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/08/2008
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/13/2011
Comments: April 2011 Quarterly Groundwater Monitoring Report was submitted to DTSC on July 13, 2011

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/14/2011
Comments: August 2011 Monthly Progress Report was submitted on September 14, 2011

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/15/2011
Comments: Not reported

Completed Area Name: Soil Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 05/23/2011
Comments: Comments on Second Five Year Report were sent to Stauffer on 5/23/2011
Not reported

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/12/2011
Comments: Monthly Progress Report Submitted on 1/12/2011

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/14/2011
Comments: Monthly Progress Report submitted on 2/14/2011

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/14/2011
Comments: February Progress Report was submitted on 3/14/2011

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/12/2011
Comments: July 2011 Progress Report Submitted on 08/12/2011

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/29/2011
Comments: Monthly Progress Report Submitted on 7/29/201

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/29/2011
Comments: ....

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/19/2011
Comments: June Progress Report submitted on 7/19/2011

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/19/2011
Comments: June 2011 Monthly Progress Report submitted on July 19, 2011

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/14/2011
Comments: September 2100 Monthly Progress Report was submitted on October 14, 2011

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Completed Document Type: Monitoring Report
Completed Date: 12/27/2012
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 05/24/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 02/08/2019
Comments: Activity completed.

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 08/30/2017
Comments: Action completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/19/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/27/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 10/31/2011
Comments: Not reported

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2023
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

ENVIROSTOR:
Name: STAUFFER CHEMICAL, CARSON
Address: 2112 EAST 223RD STREET
City,State,Zip: CARSON, CA 90745
Facility ID: 19280083
Status: Active
Status Date: 04/25/1996

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Site Code: 400264
Site Type: State Response
Site Type Detailed: State Response or NPL
Acres: 14.48
NPL: NO
Regulatory Agencies: DTSC
Lead Agency: DTSC
Program Manager: Irena Edwards
Supervisor: Eileen Mananian
Division Branch: Cleanup Cypress
Assembly: 64
Senate: 35
Special Program: * Site Char & Assess Grant (CERCLA 104)
Restricted Use: YES
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 33.82323
Longitude: -118.2356
APN: NONE SPECIFIED
Past Use: MANUFACTURING - CHEMICALS
Potential COC: Vinyl chloride 1,2-Dichloroethane (EDC
Confirmed COC: Vinyl chloride 1,2-Dichloroethane (EDC
Potential Description: OTH, SOIL
Alias Name: AMERICAN CHEMICAL CORP (1959-1975)
Alias Type: Alternate Name
Alias Name: ASTRA ZENECA
Alias Type: Alternate Name
Alias Name: ATKEMIX 37 INC.
Alias Type: Alternate Name
Alias Name: STAUFFER MANAGEMENT COMPANY (1987-CURREN
Alias Type: Alternate Name
Alias Name: CAD076941103
Alias Type: EPA Identification Number
Alias Name: 110000749922
Alias Type: EPA (FRS #)
Alias Name: CAD076941103
Alias Type: HWTS Identification Code
Alias Name: 400264
Alias Type: Project Code (Site Code)
Alias Name: 19280083
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/30/2009
Comments: October GW Monitorng Report submittied to DTSC on November 30, 2009

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/14/2010
Comments: Stauffer submitted October 2009 quarterly Groundwater Monitoring Report on 10/24/2009

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Completed Document Type: Deed/LUR Enforcement & Implementation Plan
Completed Date: 12/21/2005
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/13/2011
Comments: October 2010 Groundwater Monitoring Report is acceptable to DTSC, no comments were necessary

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/07/2015
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/11/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 02/24/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/11/2020
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 02/10/2016
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Design
Completed Date: 02/22/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 11/22/2017
Comments: Action completed.

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/11/2017

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Comments: Action completed. DTSC submitted comments on July 11, 2017.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/12/2018
Comments: Activity completed.

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 08/30/2017
Comments: Review completed.

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 05/24/2017
Comments: Action completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 12/07/2018
Comments: Activity completed.

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/20/2017
Comments: Action completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 04/07/1999
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 06/25/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 02/24/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 03/03/2020
Comments: Completed

Completed Area Name: PROJECT WIDE

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 12/24/2021
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 07/27/2015
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 04/25/2011
Comments: Approval letter sent to Stauffer on April 25, 2011

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 05/18/2011
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Feasibility Study Report
Completed Date: 03/05/2008
Comments: DTSC approval letter was sent to Stauffer on 3/5/08

Completed Area Name: Soil Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 01/30/1997
Comments: DTSC reviewed and approved the revised Feasibility Study report. This completes the approval of the RI/FS for the soil operable unit.

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/16/2008
Comments: Final October 2008 Groundwater Monitoring Report submitted to DTSC on November 11, 2009. DTSC GSU reviewed and had not substative comments

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 04/13/2009
Comments: Approval Letter for January 30, 2009 Groundwater Feasibility Study Report transmitted to Stauffer Chemical Company on 4/13/2009

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/14/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Completed Sub Area Name: Not reported
Completed Document Type: Financial Assurance Documentation
Completed Date: 10/22/2014
Comments: Tizita Bekele of DTSC's Financial Cost Estimate Validation Group reviewed the cost estimate and approved it on July 9, 2014

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/15/2013
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 02/25/2016
Comments: Tayseer Mahmoud provided field oversight on February 24, 2016. Also, on February 25, 2016, Jose Marcos observed a portion of the quarterly groundwater sampling event. Jose met the sampler, Edwin Moncoya, and observed him performing parameter stabilization monitoring and sample collection from the flow loops inside the EISB building.

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/07/2015
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 09/28/2016
Comments: Review completed.

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/15/2015
Comments: Stauffer submits the Waste Discharge Report to the RWQCB and no need to send a separate approval letter.

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 04/01/2015
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/07/2015
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Well Decommissioning Workplan
Completed Date: 10/06/2015

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 09/28/2016
Comments: Review completed.

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/17/2015
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 11/20/2014
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 11/20/2014
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/12/2015
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/15/2015
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/01/2015
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 07/15/2015
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/15/2015
Comments: Not reported

Completed Area Name: Groundwater Operable Unit

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/15/2014
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/04/2016
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/04/2016
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Design
Completed Date: 12/17/2014
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 02/25/2015
Comments: Tayseer Mahmoud provided field oversight on February 24, 2016. Also, on February 25, 2016 Jose Marcos observed a portion of the quarterly groundwater sampling event. Jose met the sampler Edwin Moncoya and observed him performing parameter stabilization monitoring and sample collection from the flow loops inside the EISB building.

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/15/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 03/16/1981
Comments: FACILITY IDENTIFIED LA COUNTY ENGNEER'S FILE #04706

Completed Area Name: Soil Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Mitigated Neg. Dec. (MND)
Completed Date: 06/25/1997
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 06/27/1994
Comments: Not reported

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 10/15/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 03/20/2018
Comments: Activity completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 01/07/2019
Comments: Activity completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 01/11/2018
Comments: Activity completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 03/27/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/22/2020
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/06/2019
Comments: Activity completed.

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/22/2013
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/01/2013
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Completed Date: 12/11/2013
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/12/2013
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/30/2013
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/11/2013
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/30/2015
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/15/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Financial Assurance Documentation
Completed Date: 03/17/2015
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 02/04/2014
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/27/2014
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/30/2014
Comments: Not reported

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/30/2014
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/30/2014
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/07/2014
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/04/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 12/07/2018
Comments: Activity completed.

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/07/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/21/2018
Comments: Activity completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/25/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 11/22/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Completed Date: 04/20/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 11/30/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 04/20/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 07/20/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 11/30/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 03/16/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/09/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 07/14/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Health & Safety Plan
Completed Date: 05/11/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 03/08/2016
Comments: Not reported

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/20/2013
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Operation & Maintenance Order/Agreement
Completed Date: 06/22/2015
Comments: .

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/16/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/05/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 09/01/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/07/2016
Comments: FY 2016/2017 ACE completed.

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 02/15/2008
Comments: Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 01/30/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/17/2012
Comments: Final January 2012 Monthly Progress Report submitted to DTSC on 2/15/2012. No DTSC comment or approval necessary

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Completed Document Type: Monitoring Report
Completed Date: 03/23/2012
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/27/2012
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/31/2012
Comments: April 2012 Monthly Progress Report was submitted to DTSC on 5/31/2012

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/09/2013
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/18/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/27/2012
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/18/2012
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 04/09/2013
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/11/2013
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/25/2013
Comments: Not reported

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Plan Amendment
Completed Date: 07/25/2013
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Plan Amendment
Completed Date: 08/15/2013
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/11/2013
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/26/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 05/07/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/30/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 02/11/2020
Comments: WDR Semi-Annual October 2019 DTSC is copied on this report but it is meant for the RWQCB. Information in this report is also presented in the Semi-Annual GW Monitoring reports for the site and the EISB Progress Reports. To avoid duplication of review, GSB usually does not receive this report, and focuses review on the Semi-Annual GW Monitoring Reports. The next GW Monitoring Report is the 2nd Semi 2019 which Brian indicated we will receive later this month.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 12/07/2018
Comments: Activity completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Completed Date: 12/07/2018
Comments: Activity completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/30/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/27/2018
Comments: Completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/09/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/03/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 02/24/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/30/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/03/2019
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Construction Complete
Completed Date: 10/20/2011
Comments: Selected Remedy for the Groundwater Operable Unit is construction and operation of an Enhanced In-situ Bioremediation System (EISB). Full scale operation of the EISB system was initiated on October 20, 2011

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 09/04/2013

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/01/2011
Comments: Annual annual cost estimate for 2012 completed on 11/1/2011

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/05/2012
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/12/2013
Comments: Not reported

Completed Area Name: Soil Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Constructed: Operating Properly & Successfully
Completed Date: 02/18/1999
Comments: Not reported

Completed Area Name: Soil Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 12/31/1997
Comments: Soil remedial Design and Implementation Plans were approved by DTSC.

Completed Area Name: Soil Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 06/25/1997
Comments: DTSC approved soil RAP and Negative Declaration. The selected alternative addresses the soil operable unit as an interim measure. The project includes vapor and liquid extraction with vapor and liquid treatment for soils. The interim cleanup number for 1,2, DCA is 20 ppm.

Completed Area Name: Soil Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 11/28/2007
Comments: Comments on the Pneumatic Fracturing Pilot Project Report were submitted via email on 11/28/2008

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/05/2008
Comments: This report was not a milestone document. It was prepared at the request of DTSC so that all the data on past groundwater investigation activities could be found in one report. No formal approval was necessary

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/01/2008
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/08/2008
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/13/2011
Comments: April 2011 Quarterly Groundwater Monitoring Report was submitted to DTSC on July 13, 2011

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/14/2011
Comments: August 2011 Monthly Progress Report was submitted on September 14, 2011

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/15/2011
Comments: Not reported

Completed Area Name: Soil Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 05/23/2011
Comments: Comments on Second Five Year Report were sent to Stauffer on 5/23/2011
Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/12/2011
Comments: Monthly Progress Report Submitted on 1/12/2011

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/14/2011
Comments: Monthly Progress Report submitted on 2/14/2011

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/14/2011
Comments: February Progress Report was submitted on 3/14/2011

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/12/2011
Comments: July 2011 Progress Report Submitted on 08/12/2011

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/29/2011
Comments: Monthly Progress Report Submitted on 7/29/201

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/29/2011
Comments: ....

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/19/2011
Comments: June Progress Report submitted on 7/19/2011

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/19/2011
Comments: June 2011 Monthly Progress Report submitted on July 19, 2011

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/14/2011
Comments: September 2100 Monthly Progress Report was submitted on October 14, 2011

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/27/2012
Comments: Not reported

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 05/24/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 02/08/2019
Comments: Activity completed.

Completed Area Name: Groundwater Operable Unit
Completed Sub Area Name: Not reported

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Completed Document Type: Technical Report
Completed Date: 08/30/2017
Comments: Action completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/19/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/27/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 10/31/2011
Comments: Not reported

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2023
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: R-04706
Status: Leak being confirmed
Substance: 1
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603704651
W Global ID: Not reported
Staff: TOX
Local Agency: 19000
Cross Street: ALAMEDA ST
Enforcement Type: Not reported
Date Leak Discovered: 1/1/1993
Date Leak First Reported: 1/1/1993
Date Leak Record Entered: 11/8/1996
Date Confirmation Began: 1/1/1993
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 10/30/1996
Date the Case was Closed: Not reported
How Leak Discovered: Tank Closure

STAUFFER MANAGEMENT CO (Continued) **1001217343**

How Leak Stopped:	Not reported
Cause of Leak:	Not reported
Leak Source:	Not reported
Operator:	Not reported
Water System:	Not reported
Well Name:	Not reported
Approx. Dist To Production Well (ft):	1217.382210332263930479828887
Source of Cleanup Funding:	Not reported
Preliminary Site Assessment Workplan Submitted:	Not reported
Preliminary Site Assessment Began:	Not reported
Pollution Characterization Began:	Not reported
Remediation Plan Submitted:	Not reported
Remedial Action Underway:	Not reported
Post Remedial Action Monitoring Began:	Not reported
Enforcement Action Date:	Not reported
Historical Max MTBE Date:	Not reported
Hist Max MTBE Conc in Groundwater:	Not reported
Hist Max MTBE Conc in Soil:	Not reported
Significant Interim Remedial Action Taken:	Not reported
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
Organization:	Not reported
Owner Contact:	Not reported
Responsible Party:	BLANK RP
RP Address:	Not reported
Program:	LOCNL
Lat/Long:	33.8241903 / -1
Local Agency Staff:	Not reported
Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	Not reported

SLIC REG 4:

Region:	4
Facility Status:	Site Assessment
SLIC:	0496B6
Substance:	Not reported
Staff:	SSH

CPS-SLIC:

Name:	STAUFFER MANAGEMENT CO
Address:	2112 223RD ST E
City,State,Zip:	CARSON, CA 90810
Region:	STATE
Facility Status:	**Open - Site Assessment**
Status Date:	01/01/1993
Global Id:	T0603704651
Lead Agency:	LOS ANGELES COUNTY
Lead Agency Case Number:	Not reported
Latitude:	33.8241903
Longitude:	-118.2372402
Case Type:	Cleanup Program Site
Case Worker:	JOA

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Local Agency: LOS ANGELES COUNTY
RB Case Number: R-04706
File Location: Not reported
Potential Media Affected: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Aviation
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

DEED:
Name: STAUFFER CHEMICAL, CARSON
Address: 2112 EAST 223RD STREET
City,State,Zip: CARSON, CA 90745
Envirostor ID: 19280083
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: STATE RESPONSE
Status: ACTIVE
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): Not reported
File Name: Envirostor Land Use Restrictions

CORTESE:
Name: STAUFFER CHEMICAL, CARSON
Address: 2112 EAST 223RD STREET
City,State,Zip: CARSON, CA 90745
Region: CORTESE
Envirostor Id: 19280083
Global ID: Not reported
Site/Facility Type: STATE RESPONSE
Cleanup Status: ACTIVE - LAND USE RESTRICTIONS
Status Date: 04/25/1996
Site Code: 400264
Latitude: 33.823234
Longitude: -118.23562
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: envirostor
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Haz Waste & Substances Sites

HIST CORTESE:
edr_fname: STAUFFER CHEMICAL, CARSON
edr_fadd1: 2112 223RD
City,State,Zip: CARSON, CA 90745
Region: CORTESE
Facility County Code: 19
Reg By: CALSI

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Reg Id: 19280083

edr_fname: STAUFFER MANAGEMENT CO
edr_fadd1: 2112 223RD
City,State,Zip: CARSON, CA 90745
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: R-04706

HAZNET:
Name: STAUFFER MANAGEMENT CO
Address: 2201_E_223RD ST OFF SITE
Address 2: Not reported
City,State,Zip: CARSON, CA 908100000
Contact: MS CAROL DICKERSON, HYDROGEO A
Telephone: 3028865123
Mailing Name: Not reported
Mailing Address: PO BOX 15437 BANCROFT 1

Year: 1997
Gepaid: CAR000032516
TSD EPA ID: CAT080013352
CA Waste Code: 134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method: R01 - Recycler
Tons: 2.1

Additional Info:
Year: 1997
Gen EPA ID: CAR000032516

Shipment Date: 19971106
Creation Date: 7/23/1998 0:00:00
Receipt Date: 19971112
Manifest ID: 96626006
Trans EPA ID: CAD072953771
Trans Name: Not reported
Trans 2 EPA ID: CAD028277036
Trans 2 Name: Not reported
TSDF EPA ID: CAT080013352
Trans Name: Not reported
TSDF Alt EPA ID: CAT080013352
TSDF Alt Name: Not reported
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
RCRA Code: Not reported
Meth Code: R01 - Recycler
Quantity Tons: 1.47
Waste Quantity: 350
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Shipment Date:	19971106
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19971112
Manifest ID:	96626006
Trans EPA ID:	CAD072953771
Trans Name:	Not reported
Trans 2 EPA ID:	CAD028277036
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D028
Meth Code:	R01 - Recycler
Quantity Tons:	0.63
Waste Quantity:	150
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CERS:

Name:	STAUFFER MANAGEMENT CO
Address:	2112 223RD ST E
City,State,Zip:	CARSON, CA 90810
Site ID:	200152
CERS ID:	T0603704651
CERS Description:	Cleanup Program Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	JOHN AWUJO - LOS ANGELES COUNTY
Entity Title:	Not reported
Affiliation Address:	900 S FREMONT AVE
Affiliation City:	ALHAMBRA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	6264583507,

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	DTSC - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	1011 N. GRANDVIEW AVE.
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

HWTS:

Name:	STAUFFER MANAGEMENT CO
Address:	2201_E_223RD ST OFF SITE

STAUFFER MANAGEMENT CO (Continued) **1001217343**

Address 2:	Not reported
City,State,Zip:	CARSON, CA 90810
EPA ID:	CAR000032516
Inactive Date:	06/30/2002
Create Date:	05/13/1998
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	PO BOX 15437 BANCROFT 1
Mailing Address 2:	Not reported
Mailing City,State,Zip:	WILMINGTON, DE 198505437
Owner Name:	ATKEMIX THIRTY SEVEN INC
Owner Address:	P O BOX 15437
Owner Address 2:	Not reported
Owner City,State,Zip:	WILMINGTON, DE 198505437
Contact Name:	MS CAROL DICKERSON, HYDROGEO A
Contact Address:	PO BOX 15437 BANCROFT 1
Contact Address 2:	Not reported
City,State,Zip:	WILMINGTON, DE 198505437
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	FEDERAL
Latitude:	33.797097
Longitude:	-118.167037

W103 **SOLUTIA INC. CARSON SITE** **CORRACTS** **1000376909**
NW **2100 EAST 223RD STREET** **RCRA-TSDF** **CAD043555366**
1/2-1 **CARSON, CA 90745** **RCRA-LQG**
0.814 mi. **HWP**
4300 ft. **Site 1 of 2 in cluster W**

Relative: **Higher**

Actual: **23 ft.**

CORRACTS:

Name:	SOLUTIA INC. CARSON SITE
Address:	2100 EAST 223RD STREET
Address 2:	Not reported
EPA ID:	CAD043555366
Area Name:	ENTIRE FACILITY
Corrective Action:	RFA COMPLETED
Actual Date:	19920313
Air Release Indicator:	Not reported
Groundwater Release Indicator:	Not reported
Soil Release Indicator:	Not reported
Surface Water Release Indicator:	Not reported

Name:	SOLUTIA INC. CARSON SITE
Address:	2100 EAST 223RD STREET
Address 2:	Not reported
EPA ID:	CAD043555366
Area Name:	ENTIRE FACILITY
Corrective Action:	DETERMINATION OF NEED FOR AN INVESTIGATION-INVESTIGATION IS NECESSARY
Actual Date:	19920313
Air Release Indicator:	Not reported
Groundwater Release Indicator:	Not reported
Soil Release Indicator:	Not reported
Surface Water Release Indicator:	Not reported

Name:	SOLUTIA INC. CARSON SITE
Address:	2100 EAST 223RD STREET
Address 2:	Not reported

SOLUTIA INC. CARSON SITE (Continued) **1000376909**

EPA ID: CAD043555366
Area Name: ENTIRE FACILITY
Corrective Action: INVESTIGATION WORKPLAN APPROVED
Actual Date: 19910923
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: SOLUTIA INC. CARSON SITE
Address: 2100 EAST 223RD STREET
Address 2: Not reported
EPA ID: CAD043555366
Area Name: ENTIRE FACILITY
Corrective Action: INVESTIGATION COMPLETE
Actual Date: 19950123
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: SOLUTIA INC. CARSON SITE
Address: 2100 EAST 223RD STREET
Address 2: Not reported
EPA ID: CAD043555366
Area Name: ENTIRE FACILITY
Corrective Action: STABILIZATION MEASURES EVALUATION-FURTHER INVESTIGATION NECESSARY
Actual Date: 19920727
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: SOLUTIA INC. CARSON SITE
Address: 2100 EAST 223RD STREET
Address 2: Not reported
EPA ID: CAD043555366
Area Name: ENTIRE FACILITY
Corrective Action: STABILIZATION MEASURES EVALUATION-FACILITY IS AMENABLE TO STABILIZATION
Actual Date: 19940523
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: SOLUTIA INC. CARSON SITE
Address: 2100 EAST 223RD STREET
Address 2: Not reported
EPA ID: CAD043555366
Area Name: ENTIRE FACILITY
Corrective Action: CMS WORKPLAN APPROVED
Actual Date: 19910207
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

SOLUTIA INC. CARSON SITE (Continued) **1000376909**

Name: SOLUTIA INC. CARSON SITE
Address: 2100 EAST 223RD STREET
Address 2: Not reported
EPA ID: CAD043555366
Area Name: ENTIRE FACILITY
Corrective Action: CMS COMPLETE
Actual Date: 19950123
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: SOLUTIA INC. CARSON SITE
Address: 2100 EAST 223RD STREET
Address 2: Not reported
EPA ID: CAD043555366
Area Name: ENTIRE FACILITY
Corrective Action: STABILIZATION/INTERIM MEASURES DECISION-PRIMARY MEAS IS EXPOSURE CONTROL
Actual Date: 19920131
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: SOLUTIA INC. CARSON SITE
Address: 2100 EAST 223RD STREET
Address 2: Not reported
EPA ID: CAD043555366
Area Name: ENTIRE FACILITY
Corrective Action: RFA COMPLETED
Actual Date: 19920526
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: SOLUTIA INC. CARSON SITE
Address: 2100 EAST 223RD STREET
Address 2: Not reported
EPA ID: CAD043555366
Area Name: ENTIRE FACILITY
Corrective Action: HUMAN EXPOSURES CONTROLLED DETERMINATION-MORE INFORMATION NEEDED
Actual Date: 19980608
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Click this hyperlink while viewing on your computer to access
3 additional CORRACTS: record(s) in the EDR Site Report.

RCRA TSDF:
Treatment Storage and Disposal Type: Boiler/Industrial Furnace
Full Enforcement Universe: Not reported
Corrective Action Workload Universe: Yes
Permit Renewals Workload Universe: Not reported

SOLUTIA INC. CARSON SITE (Continued) **1000376909**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Boiler/Industrial Furnace
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
Operating TSDF Universe:	Not reported
Commercial TSD Indicator:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No

Biennial: List of Years
Year: 2015

Click Here for Biennial Reporting System Data:
Year: 2011

Click Here for Biennial Reporting System Data:
Year: 2009

Click Here for Biennial Reporting System Data:
Year: 2007

Click Here for Biennial Reporting System Data:

RCRA Listings:

Date Form Received by Agency:	20160227
Handler Name:	Solutia Inc. Carson Site
Handler Address:	2100 EAST 223RD STREET
Handler City,State,Zip:	CARSON, CA 90745
EPA ID:	CAD043555366
Contact Name:	LARRY ADAMS
Contact Address:	DEAUVILLE DRIVE
Contact City,State,Zip:	HUNTINGTON BEACH, CA 92646
Contact Telephone:	714-963-7624
Contact Fax:	508-526-7672
Contact Email:	ADAMSACS@GMAIL.COM
Contact Title:	REMEDIATION MANAGER
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	2015
Accessibility:	Not reported
Active Site Indicator:	Handler Activities, Corrective Action Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	DEAUVILLE DRIVE
Mailing City,State,Zip:	HUNTINGTON BEACH, CA 92646
Owner Name:	Solutia Inc.
Owner Type:	Private
Operator Name:	Solutia Inc.
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No

SOLUTIA INC. CARSON SITE (Continued) **1000376909**

Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	Yes
Non-TSDFs Where RCRA CA has Been Imposed Universe:	Yes
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	No
Groundwater Controls Indicator:	No
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20161104
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2015

Click Here for Biennial Reporting System Data:
Year: 2011

Click Here for Biennial Reporting System Data:
Year: 2009

Click Here for Biennial Reporting System Data:
Year: 2007

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D018
Waste Description: BENZENE

SOLUTIA INC. CARSON SITE (Continued) **1000376909**

Waste Code: D028
Waste Description: 1,2-DICHLOROETHANE

Waste Code: D039
Waste Description: TETRACHLOROETHYLENE

Waste Code: D042
Waste Description: 2,4,6-TRICHLOROPHENOL

Waste Code: D043
Waste Description: VINYL CHLORIDE

Waste Code: U019
Waste Description: BENZENE (I,T)

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: MONSANTO CHEMICAL/DETERGENTS
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 800 N LINDBERGH BLVD
Owner/Operator City,State,Zip: ST LOUIS, MO 63167
Owner/Operator Telephone: 314-694-1000
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: SOLUTIA INC.
Legal Status: Private
Date Became Current: 19970922
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: SOLUTIA INC.
Legal Status: Private
Date Became Current: 20010419
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: SOLUTIA INC.
Legal Status: Private
Date Became Current: 19970922
Date Ended Current: Not reported

SOLUTIA INC. CARSON SITE (Continued) **1000376909**

Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: MONSANTO CO
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 800 N LINDBERGH BLVD
Owner/Operator City,State,Zip: ST LOUIS, MO 63167
Owner/Operator Telephone: 314-694-1000
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: SOLUTIA INC.
Legal Status: Private
Date Became Current: 20010419
Date Ended Current: Not reported
Owner/Operator Address: 575 MARYVILLE CENTRE DRIVE
Owner/Operator City,State,Zip: ST. LOUIS, MO 63141
Owner/Operator Telephone: 314-674-1000
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: SOLUTIA INC.
Legal Status: Private
Date Became Current: 20010419
Date Ended Current: Not reported
Owner/Operator Address: 8192 DEAUVILLE DRIVE
Owner/Operator City,State,Zip: HUNTINGTON BEACH, CA 92646
Owner/Operator Telephone: 714-963-7624
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: MONSANTO CO
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 800 N LINDBERGH BLVD
Owner/Operator City,State,Zip: ST LOUIS, MO 63167
Owner/Operator Telephone: 314-694-1000
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: SOLUTIA INC.

SOLUTIA INC. CARSON SITE (Continued) **1000376909**

Legal Status: Private
Date Became Current: 19970922
Date Ended Current: Not reported
Owner/Operator Address: 8192 DEAUVILLE DRIVE
Owner/Operator City,State,Zip: HUNTINGTON BEACH, CA 92646
Owner/Operator Telephone: 714-963-7624
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: SOLUTIA INC.
Legal Status: Private
Date Became Current: 20010419
Date Ended Current: Not reported
Owner/Operator Address: 8192 DEAUVILLE DRIVE
Owner/Operator City,State,Zip: HUNTINGTON BEACH, CA 92646
Owner/Operator Telephone: 714-963-7624
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: SOLUTIA INC.
Legal Status: Private
Date Became Current: 20010419
Date Ended Current: Not reported
Owner/Operator Address: 575 MARYVILLE CENTRE DRIVE
Owner/Operator City,State,Zip: ST. LOUIS, MO 63141
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20100727
Handler Name: SOLUTIA INC. CARSON SITE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20120309
Handler Name: SOLUTIA INC. CARSON SITE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No

SOLUTIA INC. CARSON SITE (Continued) **1000376909**

Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20160227
Handler Name: SOLUTIA INC. CARSON SITE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19930302
Handler Name: MONSANTO CHEM CO
Federal Waste Generator Description: Large Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19930302
Handler Name: MONSANTO CHEM CO
Federal Waste Generator Description: Small Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19800811
Handler Name: MONSANTO CHEM CO
Federal Waste Generator Description: Large Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19900412

SOLUTIA INC. CARSON SITE (Continued) **1000376909**

Handler Name: MONSANTO COMPANY / CARSON PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19920227
Handler Name: MONSANTO COMPANY CARSON PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20080331
Handler Name: SOLUTIA INC. CARSON SITE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 32511
NAICS Description: PETROCHEMICAL MANUFACTURING

NAICS Code: 325611
NAICS Description: SOAP AND OTHER DETERGENT MANUFACTURING

NAICS Code: 325612
NAICS Description: POLISH AND OTHER SANITATION GOOD MANUFACTURING

NAICS Code: 53119
NAICS Description: LESSORS OF OTHER REAL ESTATE PROPERTY

Has the Facility Received Notices of Violations:
Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19891030

SOLUTIA INC. CARSON SITE (Continued) **1000376909**

Actual Return to Compliance Date: 19901024
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19900111
Enforcement Identifier: 002
Date of Enforcement Action: 19891212
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - General
Date Violation was Determined: 19870126
Actual Return to Compliance Date: 19891030
Return to Compliance Qualifier: Unverifiable
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 19870126
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported

SOLUTIA INC. CARSON SITE (Continued) **1000376909**

Enforcement Responsible Person:	R9EPA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19920821
Actual Return to Compliance Date:	19920922
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19920921
Enforcement Identifier:	003
Date of Enforcement Action:	19920821
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	1200
Final Monetary Amount:	1200
Paid Amount:	Not reported
Final Count:	1
Final Amount:	1200

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	19891003

SOLUTIA INC. CARSON SITE (Continued) **1000376909**

Actual Return to Compliance Date: 19891107
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 19891016
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported

SOLUTIA INC. CARSON SITE (Continued) **1000376909**

Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:
Evaluation Date: 19891030
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19901024
Scheduled Compliance Date: 19900111
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19870126
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: NON-FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier: R9EPA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19891030
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920806
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19920922
Scheduled Compliance Date: 19920921
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19891003
Evaluation Responsible Agency: State

SOLUTIA INC. CARSON SITE (Continued) **1000376909**

Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19891107
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19920826
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

HWP:

EPA ID:	CAD043555366
Name:	SOLUTIA INC
Address:	2100 E 223RD ST
Cleanup Status:	CLOSED
Latitude:	33.82400
Longitude:	-118.2378
Facility Type:	Historical - Non-Operating

SOLUTIA INC. CARSON SITE (Continued) **1000376909**

Facility Size:	Not reported
Supervisor:	Not reported
Site Code:	Not reported
Senate District:	35
Assembly District:	64
Public Information Officer:	Not reported
Commercial Offsite Facility Types:	Not reported
Quarterly Update:	Not reported
Project Manager Lead:	Not reported
Project Manager:	Not reported
Permit Type:	RCRA
Permit Effective Date:	Not reported
Permit Expiration Date:	Not reported
Calenviroscreen Score:	NA
Total Planned Hours:	Not reported
Total Planned Amount:	Not reported
Total Actual Hours:	Not reported

Activities:

EPA ID:	CAD043555366
Facility Type:	Historical - Non-Operating
Facility Name:	SOLUTIA INC
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Status:	CLOSED
Activity Type:	New Operating Permit
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	1992-05-04 00:00:00
Type:	Not reported
Title Description:	Imported 12/2011:PERMIT1
Due Date:	Not reported
Comments:	Not reported
Unit Names:	Not reported
Event Description:	New Operating Permit - CALL-IN LETTER ISSUED
Actual Date:	10/31/1991

EPA ID:	CAD043555366
Facility Type:	Historical - Non-Operating
Facility Name:	SOLUTIA INC
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Status:	CLOSED
Activity Type:	New Operating Permit
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	1992-05-04 00:00:00
Type:	Not reported
Title Description:	Imported 12/2011:PERMIT1
Due Date:	Not reported
Comments:	INTENDS/CLOSED ALL WASTE HANDLING FACILITY, INTENDS/CLOSED ALL WASTE HANDLING FACILITY, Approved Request
Unit Names:	Not reported
Event Description:	New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST ACKNOWLEDGED
Actual Date:	05/04/1992

SOLUTIA INC. CARSON SITE (Continued) **1000376909**

EPA ID: CAD043555366
Facility Type: Historical - Non-Operating
Facility Name: SOLUTIA INC
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Status: CLOSED
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1992-05-04 00:00:00
Type: Not reported
Title Description: Imported 12/2011:PERMIT1
Due Date: Not reported
Comments: INTENDS/CLOSED ALL WASTE HANDLING FACILITY, INTENDS/CLOSED ALL WASTE HANDLING FACILITY, Approved Request
Unit Names: Not reported
Event Description: New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST RECEIVED
Actual Date: 11/12/1991

Closure:
EPA ID: CAD043555366
Facility Type: Historical - Non-Operating
Facility Name: SOLUTIA INC
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Size: Not reported
Facility Status: CLOSED
Activity Type: Closure Final
Final Date: Not reported
Type: Not reported
Title Description: Closure
Due Date: Not reported
Comments: Not reported
Unit Names: BIFBOIL1
Event Description: Closure Final - ISSUE CLOSURE VERIFICATION
Actual Date: 07/01/1993

EPA ID: CAD043555366
Facility Type: Historical - Non-Operating
Facility Name: SOLUTIA INC
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Size: Not reported
Facility Status: CLOSED
Activity Type: Closure Final
Final Date: Not reported
Type: Not reported
Title Description: Closure
Due Date: Not reported
Comments: Not reported
Unit Names: BIFBOIL1
Event Description: Closure Final - RECEIVE CLOSURE CERTIFICATION
Actual Date: 09/23/1992

SOLUTIA INC. CARSON SITE (Continued) **1000376909**

Alias:
EPA ID: CAD043555366
Facility Type: Historical - Non-Operating
Facility Name: SOLUTIA INC
Facility Status: CLOSED
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Alias Type: FRS
Alias: 110000749281

W104 **MONSANTO CHEMICAL COMPANY/ C/O LARRY ADAMS SUPERIN** **ENVIROSTOR** **1000376908**
NW **2100 E 223RD ST** **CPS-SLIC** **N/A**
1/2-1 **CARSON, CA 90810** **HIST Cal-Sites**
0.814 mi. **SWEEPS UST**
4300 ft. **Site 2 of 2 in cluster W** **CA FID UST**
EMI
Relative: Higher **LOS ANGELES CO. HMS**

Actual: 23 ft.

ENVIROSTOR:
Name: SOLUTIA INC
Address: 2100 E 223RD ST
City,State,Zip: CARSON, CA 907450000
Facility ID: 80001380
Status: Inactive - Needs Evaluation
Status Date: 11/01/2018
Site Code: Not reported
Site Type: Corrective Action
Site Type Detailed: Corrective Action
Acres: 0
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: MBR
Program Manager: Not reported
Supervisor: * Unknown
Division Branch: Cleanup Chatsworth
Assembly: 64
Senate: 35
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.82400
Longitude: -118.2378
APN: 7315008030
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 7315008030
Alias Type: APN
Alias Name: CAD043555366
Alias Type: EPA Identification Number
Alias Name: 110000749281
Alias Type: EPA (FRS #)
Alias Name: 80001380

MONSANTO CHEMICAL COMPANY/ C/O LARRY ADAMS SUPERINTENDANT (Continued) **1000376908**

Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Corrective Measures Study Report
Completed Date: 01/23/1995
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Corrective Measures Study Workplan
Completed Date: 02/07/1991
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Implementation Report
Completed Date: 10/31/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Workplan
Completed Date: 01/31/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Report
Completed Date: 01/23/1995
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan
Completed Date: 09/23/1991
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Workplan
Completed Date: 01/31/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled
Completed Date: 06/08/1998
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Human Exposure Controlled
Completed Date: 06/08/1998
Comments: Not reported

Completed Area Name: PROJECT WIDE

MONSANTO CHEMICAL COMPANY/ C/O LARRY ADAMS SUPERINTENDANT (Continued) **1000376908**

Completed Sub Area Name: Not reported
Completed Document Type: * Remedy Selected
Completed Date: 04/14/1995
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 03/13/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Agreement
Completed Date: 12/05/1990
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 03/07/1996
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Questionnaire
Completed Date: 05/23/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 05/26/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Questionnaire
Completed Date: 07/27/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Selection and Statement of Basis
Completed Date: 04/14/1995
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

MONSANTO CHEMICAL COMPANY/ C/O LARRY ADAMS SUPERINTENDANT (Continued) **1000376908**

CPS-SLIC:

Name:	MONSATO CARSON PLANT
Address:	2100 E. 223RD ST
City,State,Zip:	CARSON, CA 90810
Region:	STATE
Facility Status:	**Open - Inactive**
Status Date:	02/02/2015
Global Id:	SLT43131129
Lead Agency:	DEPARTMENT OF TOXIC SUBSTANCES CONTROL
Lead Agency Case Number:	19281200
Latitude:	33.8233613136832
Longitude:	-118.238607233449
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	0228
File Location:	Not reported
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Calsite:

Name:	MONSANTO CHEMICAL COMPANY
Address:	2100 EAST 223RD STREET
City:	CARSON
Region:	CYPRESS
Facility ID:	19281200
Facility Type:	RP
Type:	RESPONSIBLE PARTY
Branch:	SB
Branch Name:	SO CAL - CYPRESS
File Name:	Not reported
State Senate District:	04231996
Status:	ANNUAL WORKPLAN (AWP) - ACTIVE SITE
Status Name:	ANNUAL WORKPLAN - ACTIVE SITE
Lead Agency:	DEPT OF TOXIC SUBSTANCES CONTROL
NPL:	Not Listed
SIC Code:	28
SIC Name:	MANU - CHEMICALS & ALLIED PRODUCTS
Access:	Not reported
Cortese:	Not reported
Hazardous Ranking Score:	Not reported
Date Site Hazard Ranked:	Not reported
Groundwater Contamination:	Confirmed
Staff Member Responsible for Site:	RZABANEH
Supervisor Responsible for Site:	Not reported
Region Water Control Board:	LA
Region Water Control Board Name:	LOS ANGELES
Lat/Long Direction:	Not reported
Lat/Long (dms):	0 0 0 / 0 0 0
Lat/long Method:	Not reported
Lat/Long Description:	Not reported
State Assembly District Code:	55
State Senate District Code:	28

MONSANTO CHEMICAL COMPANY/ C/O LARRY ADAMS SUPERINTENDANT (Continued) **1000376908**

Facility ID:	19281200
Activity:	DISC
Activity Name:	DISCOVERY
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	02091989
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19281200
Activity:	SS
Activity Name:	SITE SCREENING
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	06121989
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19281200
Activity:	ORDER
Activity Name:	I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code:	CNSNT
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	12241990
Est Person-Yrs to complete:	0

MONSANTO CHEMICAL COMPANY/ C/O LARRY ADAMS SUPERINTENDANT (Continued) **1000376908**

Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19281200
Activity:	PPP
Activity Name:	PUBLIC PARTICIPATION PLAN
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	04301991
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19281200
Activity:	RA
Activity Name:	REMOVAL ACTION
AWP Code:	GW
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	01281992
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported

MONSANTO CHEMICAL COMPANY/ C/O LARRY ADAMS SUPERINTENDANT (Continued) **1000376908**

Removal Action Certification:	N
Activity Comments:	INSTALLATION OF FOUR MONITORING WELLS, TWO PIEZOMOMETERS, AND ONESKIMMING SYSTEM TO DELINEATE THE PLUME AND TO PROVIDE AN INTERIMEXTRACTION SYSTEM.
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19281200
Activity:	ORDER
Activity Name:	I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code:	AMECO
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	10291993
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19281200
Activity:	RIFS
Activity Name:	REMEDIAL INVESTIGATION / FEASIBILITY STUDY
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	01231995
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19281200

MONSANTO CHEMICAL COMPANY/ C/O LARRY ADAMS SUPERINTENDANT (Continued) **1000376908**

Activity:	CEQA
Activity Name:	CEQA INCLUDING NEGATIVE DECS
AWP Code:	NEGDK
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	04141995
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19281200
Activity:	RAP
Activity Name:	REMEDIAL ACTION PLAN / RECORD OF DECISION
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	04141995
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19281200
Activity:	DES
Activity Name:	DESIGN
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	03281997
Est Person-Yrs to complete:	0
Estimated Size:	Not reported

MONSANTO CHEMICAL COMPANY/ C/O LARRY ADAMS SUPERINTENDANT (Continued) **1000376908**

Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19281200
Activity:	ORDER
Activity Name:	I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code:	C/O
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	03071996
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19281200
Activity:	RMDL
Activity Name:	REMEDIAL ACTION (RAP REQUIRED)
AWP Code:	II
Proposed Budget:	0
AWP Completion Date:	06302007
Revised Due Date:	12312007
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	M
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported

MONSANTO CHEMICAL COMPANY/ C/O LARRY ADAMS SUPERINTENDANT (Continued) **1000376908**

Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19281200
Activity:	CERT
Activity Name:	CERTIFICATION
AWP Code:	II
Proposed Budget:	0
AWP Completion Date:	12302008
Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	M
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19281200
Activity:	OM
Activity Name:	OPERATION & MAINTENANCE
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	03312013
Revised Due Date:	12312028
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	M
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19281200
Activity:	RA
Activity Name:	REMOVAL ACTION
AWP Code:	BIOPI

MONSANTO CHEMICAL COMPANY/ C/O LARRY ADAMS SUPERINTENDANT (Continued) **1000376908**

Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	01111999
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	1400
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	N
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19281200
Activity:	COST
Activity Name:	COST RECOVERY
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	01131999
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19281200
Activity:	RIFS
Activity Name:	REMEDIAL INVESTIGATION / FEASIBILITY STUDY
AWP Code:	II
Proposed Budget:	0
AWP Completion Date:	03312005
Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE

MONSANTO CHEMICAL COMPANY/ C/O LARRY ADAMS SUPERINTENDANT (Continued) **1000376908**

Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19281200
Activity:	RAP
Activity Name:	REMEDIAL ACTION PLAN / RECORD OF DECISION
AWP Code:	II
Proposed Budget:	0
AWP Completion Date:	12312005
Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19281200
Activity:	DES
Activity Name:	DESIGN
AWP Code:	II
Proposed Budget:	0
AWP Completion Date:	06302006
Revised Due Date:	12312006
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0

MONSANTO CHEMICAL COMPANY/ C/O LARRY ADAMS SUPERINTENDANT (Continued) **1000376908**

For Residential Reuse: 0
Unknown Type: 0
Alternate Address: 2100 EAST 223RD STREET
Alternate City,St,Zip: CARSON, CA 90810
Background Info: Monsanto Chemical Company has manufactured bio and nonbio-degradable detergents for over three decades. The site is located in a heavily industrialized area. Raw materials used in the process include benzene, paraffin, olefin, chlorine, anhydrous ammonia, and aluminum chloride. Volatile organic solvents, chlorinated as well as non-chlorinated, have been found in the groundwater. A layer of benzene is floating on top the groundwater table. Contaminants identified in the soil include benzene and assorted petroleum hydrocarbons.
Soil vapor tests have detected the presence of chlorinated solvents. Direct contact with contaminated soil, inhalation of volatile organics, surface runoff, and groundwater contamination are a threat to public health and the environment. Contaminated water is used for industrial and agricultural purposes. A Consent Order with Monsanto, to investigate the extent of contamination and cleanup the site, was signed in December 1990.
Not reported
Sampling analyses indicate high levels of benzene in shallow aquifer. A seven-inch non-aqueous benzen layer has been identified. 1,2-dichloroethane exists in shallow and deep aquifer.
Not reported
A revised amendment to the Consent Order was finalized and signed on November 15, 1993 to include Remediation Capital Corporation of Reno, Nevada, as a party to the Agreement.
RCC purchased the property from Monsanto in September 1993.
Not reported
RCC subsequently filed for bankruptcy and the site reverted back to Monsanto (now Solutia).
Comments Date: 06231999
Comments: completed. The soils were returned to the previously excavated
Comments Date: 06231999
Comments: areas.
Comments Date: 06231999
Comments: Not reported
Comments Date: 07251991
Comments: Detergent manufacturing. Contaminants include benzene, volatile
Comments Date: 07251991
Comments: organics, chlorinated/non-chlorinated, TCE, chloroform,
Comments Date: 07251991
Comments: dichloroethane, petroleum hydrocarbons, and heavy metals.
Comments Date: 12012001
Comments: An updated Health Risk Assessment has been completed. An
Comments Date: 12012001
Comments: updated RI and FS will be completed in order to complete
Comments Date: 12012001
Comments: a RAP amendment.
Comments Date: 12311991
Comments: Removal Action: Groundwater extraction/treatment.
Comments Date: 01032002
Comments: Soil gas sampling of soils in the former tank farm area and
Comments Date: 01032002

MONSANTO CHEMICAL COMPANY/ C/O LARRY ADAMS SUPERINTENDANT (Continued) **1000376908**

Comments:	process area was completed to track progress with the Soil
Comments Date:	01032002
Comments:	Vapor Extraction System.
Comments Date:	01242003
Comments:	DTSC granted approval for decommissioning of eight on-site
Comments Date:	01242003
Comments:	groundwater wells and piezometers which are not used for
Comments Date:	01242003
Comments:	groundwater monitoring.
Comments Date:	01311990
Comments:	This is the date the site was first listed pursuant to
Comments Date:	01311990
Comments:	section 25356.
Comments Date:	02142000
Comments:	Monsanto/Solutia has requested a RAP re-opener due to a change
Comments Date:	02142000
Comments:	in site conditions and implementability of the selected
Comments Date:	02142000
Comments:	remedies for the site.
Comments Date:	02142000
Comments:	Not reported
Comments Date:	02142000
Comments:	A pilot air sparging test was conducted and did not reproduce
Comments Date:	02142000
Comments:	previous Radius of Influence (ROIs) (far lower than originally
Comments Date:	02142000
Comments:	estimated). The groundwater table has risen causing the LNAPL
Comments Date:	02142000
Comments:	to become entrained beneath the water table.
Comments Date:	03071996
Comments:	DTSC signed a Consent Order with the RPs.
Comments Date:	03281997
Comments:	Approval of Remedial Design Specifications document, with
Comments Date:	03281997
Comments:	Addendum prepared by DTSC.
Comments Date:	04011997
Comments:	The Remedial Design Specification Report was approved on
Comments Date:	04011997
Comments:	March 28,1997, with an Addendum completed by DTSC.
Comments Date:	04141995
Comments:	The CEQA documents (Negative Declaration) and the Remedial
Comments Date:	04141995
Comments:	Action Plan are approved following a 30-day public comment
Comments Date:	04141995
Comments:	period. The recommended alternative includes the following
Comments Date:	04141995
Comments:	elements: institutional controls; monitoring; excavation,
Comments Date:	04141995
Comments:	in-situ and ex-situ bio-treatment, soil vapor extraction and
Comments Date:	04141995
Comments:	bioventing of deep soils and shallow soils; thermal/catalytic
Comments Date:	04141995
Comments:	oxidation of soil vapor; vacuum enhanced LNAPL recovery with
Comments Date:	04141995
Comments:	total fluids pumps; recovered LNAPL disposal by a certified
Comments Date:	04141995
Comments:	waste recycler or a permitted hazardous waste TSDF; groundwater

MONSANTO CHEMICAL COMPANY/ C/O LARRY ADAMS SUPERINTENDANT (Continued) **1000376908**

Comments Date:	04141995
Comments:	remediation by air sparging within the SVE capture radius and
Comments Date:	04141995
Comments:	plume of groundwater contamination; if necessary groundwater
Comments Date:	04141995
Comments:	extraction and treatment with air stripping followed by GAC;
Comments Date:	04141995
Comments:	and treated groundwater discharge to the sanitary sewer.
Comments Date:	04141995
Comments:	Sparging would not be implemented until the LNAPL had been
Comments Date:	04141995
Comments:	removed.
Comments Date:	05011995
Comments:	DTSC recieved the Remedial Investigation Report dated 8/93
Comments Date:	05011995
Comments:	from Monsanto and the Baseline Health Risk Assessment in
Comments Date:	05011995
Comments:	early 1994. The RI/FS was approved in January 1995. With
Comments Date:	05011995
Comments:	DTSC's concurrence, Fact Sheet #4 and the CEQA documents
Comments Date:	05011995
Comments:	(Negative Declaration) were approved. The public meeting
Comments Date:	05011995
Comments:	was held March 8, 1995. Comments were accepted and addressed.
Comments Date:	05011995
Comments:	The final RAP was adopted by DTSC on April 14, 1995.
Comments Date:	05011995
Comments:	Not reported
Comments Date:	05011995
Comments:	The Consent Order to implement the RAP was signed on
Comments Date:	05011995
Comments:	March 7, 1996.
Comments Date:	06121989
Comments:	Site Screening Done: RP in violation of DHS permit. RP
Comments Date:	06121989
Comments:	prepared a Preliminary Assessment/Site Inspection report
Comments Date:	06121989
Comments:	(submitted 09/88). Release of benzene and DCE to upper
Comments Date:	06121989
Comments:	aquifer. Chemical dump site 1952-1965 not addressed. RP
Comments Date:	06121989
Comments:	is negotiating with ICI (other RP).
Comments Date:	06191995
Comments:	The Consent Order to implement the RAP, including the Operation
Comments Date:	06191995
Comments:	and Maintenance (O&M) Plan is being drafted. The final order
Comments Date:	06191995
Comments:	is expected to be fully executed by the end of July 1995.
Comments Date:	06231999
Comments:	Remediation of two (2) excavated areas treated in a biopile was
ID Name:	CALSTARS CODE
ID Value:	400266
ID Name:	BEP DATABASE PCODE
ID Value:	P43054
Alternate Name:	MONSANTO CHEMICAL COMPANY
Alternate Name:	SOLUTIA
Alternate Name:	Not reported

MONSANTO CHEMICAL COMPANY/ C/O LARRY ADAMS SUPERINTENDANT (Continued) **1000376908**

Special Programs Code: Not reported
Special Programs Name: Not reported

SWEEPS UST:
Name: MONSANTO CHEMICAL COMPANY/ C/O LARRY ADAMS SUPERINTENDANT
Address: 2100 E 223RD ST
City: CARSON
Status: Not reported
Comp Number: 5175
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-005175-000002
Tank Status: Not reported
Capacity: 2150
Active Date: Not reported
Tank Use: EMPTY
STG: WASTE
Content: Not reported
Number Of Tanks: 1

CA FID UST:
Facility ID: 19029192
Regulated By: UTNKI
Regulated ID: CAD043555
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2138304353
Mail To: Not reported
Mailing Address: 2100 E 223RD ST
Mailing Address 2: Not reported
Mailing City,St,Zip: CARSON 90810
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Inactive

EMI:
Name: MONSANTO CO (EIS USE)
Address: 2100 E 223RD ST
City,State,Zip: CARSON, CA 90810
Year: 1987
County Code: 19
Air Basin: SC
Facility ID: 800227
Air District Name: SC
SIC Code: 2841
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported

MONSANTO CHEMICAL COMPANY/ C/O LARRY ADAMS SUPERINTENDANT (Continued) **1000376908**

Total Organic Hydrocarbon Gases Tons/Yr: 58
Reactive Organic Gases Tons/Yr: 50
Carbon Monoxide Emissions Tons/Yr: 26
NOX - Oxides of Nitrogen Tons/Yr: 41
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 2
Part. Matter 10 Micrometers and Smllr Tons/Yr: 2

Name: MONSANTO CO (EIS USE)
Address: 2100 E 223RD ST
City,State,Zip: CARSON, CA 90810
Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 800227
Air District Name: SC
SIC Code: 2841
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 155
Reactive Organic Gases Tons/Yr: 116
Carbon Monoxide Emissions Tons/Yr: 1
NOX - Oxides of Nitrogen Tons/Yr: 33
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 2
Part. Matter 10 Micrometers and Smllr Tons/Yr: 2

LOS ANGELES CO. HMS:
Name: WITCO CHEMICAL CO
Address: 2100 E 223RD ST
City,State,Zip: LONG BEACH, CA 90810
Region: LA
Permit Category: Not reported
Facility Id: 004987-005175
Facility Type: Not reported
Facility Status: OPEN
Area: 22
Permit Number: Not reported
Permit Status: Not reported

Name: REMEDIATION CAPITAL CORP
Address: 2100 E 223RD ST
City,State,Zip: LONG BEACH, CA 90810
Region: LA
Permit Category: Not reported
Facility Id: 004987-021487
Facility Type: Not reported
Facility Status: OPEN
Area: 22
Permit Number: Not reported
Permit Status: Not reported

105 NW 1/2-1 0.824 mi. 4349 ft. | **MONSANTO CHEMICAL COMPANY**
2100 223RD
CARSON, CA 90745 | **RESPONSE ENVIROSTOR Cortese HIST CORTESE** | **S104404731 N/A**

Relative: Higher

Actual: 24 ft.

RESPONSE:

Name:	MONSANTO CHEMICAL COMPANY
Address:	2100 EAST 223RD STREET
City,State,Zip:	CARSON, CA 90810
Facility ID:	19281200
Site Type:	State Response
Site Type Detail:	State Response or NPL
Acres:	11
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Angela Turner
Supervisor:	Emad Yemut
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	400266
Site Mgmt. Req.:	NONE SPECIFIED
Assembly:	64
Senate:	35
Special Program Status:	Not reported
Status:	Active
Status Date:	04/23/1996
Restricted Use:	NO
Funding:	Responsible Party
Latitude:	33.82291
Longitude:	-118.2383
APN:	7315008030
Past Use:	MANUFACTURING - CHEMICALS
Potential COC :	* HALOGENATED SOLVENTS * HYDROCARBON SOLVENTS
Confirmed COC:	NONE SPECIFIED
Potential Description:	OTH, SOIL
Alias Name:	SOLUTIA
Alias Type:	Alternate Name
Alias Name:	7315008030
Alias Type:	APN
Alias Name:	110000749281
Alias Type:	EPA (FRS #)
Alias Name:	SLT43131129
Alias Type:	GeoTracker Global ID
Alias Name:	P43054
Alias Type:	PCode
Alias Name:	400266
Alias Type:	Project Code (Site Code)
Alias Name:	19281200
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Removal Action Completion Report
Completed Date:	01/11/1999
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Completed Document Type: Design/Implementation Workplan
Completed Date: 03/28/1997
Comments: Approval of Remedial Design Specifications document, with Addendum prepared by DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 04/14/1995
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 01/23/1995
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 09/14/2010
Comments: Data from this report has been used for investigation and cleanup planning.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/31/2010
Comments: received

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 10/12/2010
Comments: The revised Final Interim Remedial Action Work Plan appears to incorporate our previous comments relayed to Solutia on 9/15/10.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/18/2011
Comments: Document received. Data will be used to make decisions regarding the cleanup of the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/17/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 09/06/2011
Comments: Completed & approved

Completed Area Name: PROJECT WIDE

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/17/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/12/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/26/2013
Comments: Monthly GW monitoring Report for September 2013

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/01/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/13/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/20/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/12/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/25/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/12/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/11/2018

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/11/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/22/2017
Comments: Routine monthly report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/17/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/12/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/11/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/18/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/11/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 02/09/1989
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 12/05/1990
Comments: Not reported

Completed Area Name: PROJECT WIDE

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 03/07/1996
Comments: DTSC signed a Consent Order with the RPs.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 04/14/1995
Comments: The CEQA documents (Negative Declaration) and the Remedial Action Plan are approved following a 30-day public comment period. The recommended alternative includes the following elements: institutional controls; monitoring; excavation, in-situ and ex-situ bio-treatment, soil vapor extraction and bioventing of deep soils and shallow soils; thermal/catalytic oxidation of soil vapor; vacuum enhanced LNAPL recovery with total fluids pumps; recovered LNAPL disposal by a certified waste recycler or a permitted hazardous waste TSDF; groundwater remediation by air sparging within the SVE capture radius and plume of groundwater contamination; if necessary groundwater extraction and treatment with air stripping followed by GAC; and treated groundwater discharge to the sanitary sewer. Sparging would not be implemented until the LNAPL had been removed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 10/29/1993
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Cost Recovery Settlements/Decrees
Completed Date: 01/13/1999
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/03/2020
Comments: Annual Oversight Cost Estimate completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Project Management
Completed Date: 06/30/2021
Comments: fiscal year is complete

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 05/11/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/09/2021

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Comments: .

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/25/2009
Comments: Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Well Installation Workplan
Completed Date: 08/19/2009
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 09/14/2010
Comments: This was replaced by another work plan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/25/2009
Comments: Approved

Completed Area Name: MONSANTO CHEMICAL COMPANY - Soil OU
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/19/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/16/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 11/16/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/06/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/06/2020
Comments: Completed

Completed Area Name: PROJECT WIDE

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/11/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/18/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/13/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 05/01/2014
Comments: Uploaded 8/18/2021 for completeness of online record

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 12/18/2009
Comments: Uploaded 8/18/2021 for completeness of online record

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 01/28/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 06/12/1989
Comments: Site Screening Done: RP in violation of DHS permit. RP prepared a Preliminary Assessment/Site Inspection report (submitted 09/88). Release of benzene and DCE to upper aquifer. Chemical dump site 1952-1965 not addressed. RP is negotiating with ICI (other RP).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/13/2018
Comments: FY 1819 Estimate: $43,558

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 01/09/2019
Comments: FY 1819 Revised Estimate: $55,169

Completed Area Name: PROJECT WIDE

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/24/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/14/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/12/2013
Comments: GW monitoring report for August.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/14/2013
Comments: Addendum Report - Part of Monthly Monitoring Report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/19/2014
Comments: Not reported

Completed Area Name: MONSANTO CHEMICAL COMPANY - Soil OU
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 04/01/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/20/2020
Comments: comments on groundwater monitoring program made in response to groundwater monitoring report, no additional comments

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/12/2021
Comments: PM and geologist have no comments, no exceptions noted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/15/2021
Comments: no exceptions noted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Completed Date: 06/15/2021
Comments: no exceptions noted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/12/2021
Comments: no exceptions noted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/14/2022
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 06/11/2020
Comments: no exceptions noted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/17/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 05/21/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/11/2021
Comments: DTSC has no comments and approves the document as-is

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 11/12/2019
Comments: Filed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/17/2020
Comments: no exceptions noted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/15/2020
Comments: no exceptions noted

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/28/2021
Comments: comments have been addressed satisfactorily and report is approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/01/2021
Comments: DTSC has no comments

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 05/27/2015
Comments: Retrieved from file room and added to EStor for completeness of online record

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/10/2021
Comments: gsb has no comments, report is accepted as is

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/31/2020
Comments: no exceptions noted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/21/2020
Comments: No exceptions noted. Report contains no new data as semiannual sampling is in 2nd and 4th quarters.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/17/2021
Comments: dtsc has no comments on the report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/15/2021
Comments: no exceptions noted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/18/2021
Comments: no exceptions noted

Completed Area Name: PROJECT WIDE

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/18/2022
Comments: No exceptions noted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/15/2021
Comments: no exceptions noted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/21/2013
Comments: Annual Cost Estimate sent.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 05/21/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 07/14/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/14/2016
Comments: FY 1617 Annual Oversight Cost Estimate completed and mailed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/09/2015
Comments: FY 1516 Annual Cost Estimate completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/04/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 08/19/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/13/2009

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Workplan
Completed Date: 08/05/2008
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 09/03/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 10/28/2008
Comments: Approved with the stipulation that we get a revised WP in ASAP that shows the extra well we are requesting.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 06/29/2012
Comments: No Further Action for Soil is Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/11/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/12/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/11/2019
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/11/2019
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/27/2018
Comments: Not reported

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/15/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 01/22/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 11/13/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/15/2019
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Financial Assurance Documentation
Completed Date: 05/20/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/19/2020
Comments: accepted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/17/2020
Comments: no exceptions noted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/16/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/17/2020
Comments: no exceptions noted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Completed Date: 10/15/2018
Comments: sd

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 07/15/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/27/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/14/2018
Comments: Not reported

Completed Area Name: MONSANTO CHEMICAL COMPANY - Soil OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/30/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/16/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/11/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/18/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/17/2018
Comments: Conditionally approved.

Completed Area Name: MONSANTO CHEMICAL COMPANY - Soil OU
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 06/29/2012
Comments: Not reported

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 04/30/1991
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 11/01/2007
Comments: Workplan was reviewed by the new geologist and approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 01/13/2009
Comments: Approved with the condition that they add the RTCs to the document.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/13/2009
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 03/19/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 12/11/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 12/22/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/19/2010
Comments: Received report on time.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 11/15/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Completed Date: 12/10/2010
Comments: received

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/10/2011
Comments: received

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/10/2011
Comments: received

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/10/2011
Comments: Received

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/10/2011
Comments: received

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/10/2011
Comments: received

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/10/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/10/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/11/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/06/2011
Comments: Not reported

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/12/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/10/2011
Comments: Receipt of report acknowledged.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 11/10/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/16/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/03/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/22/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/08/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/08/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/14/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Completed Date: 09/11/2012
Comments: Monthly progress report for soil gas and groundwater, Septemeber 2012

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/17/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/25/2013
Comments: O/M - Routine GW monitoring report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/18/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/31/2012
Comments: Monthly Progress Report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/12/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/06/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/11/2013
Comments: Monthly Progress Report for month of March 2013

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/10/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/12/2013
Comments: Monthly Progress Report

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/11/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/13/2013
Comments: Monthly Report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/26/2013
Comments: Monthly Progress Report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/26/2014
Comments: Routine monthly progress report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/11/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/13/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/17/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/16/2014
Comments: Routine monthly progress report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/19/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Completed Date: 09/11/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/11/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/06/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/13/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/12/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/13/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/25/2017
Comments: DTSC made a final comment.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Manual
Completed Date: 11/05/2017
Comments: No comments on the given document. DTSC concur with O&M.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Financial Assurance Documentation
Completed Date: 12/11/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/31/2017
Comments: Not reported

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Completed Area Name: MONSANTO CHEMICAL COMPANY - Soil OU
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/13/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/13/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 11/13/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/13/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Constructed with O&M
Completed Date: 11/05/2017
Comments: DTSC concurs with this documents. Meeting with RP on 12/19 for further presentation on this project.

Completed Area Name: MONSANTO CHEMICAL COMPANY - Soil OU
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/11/2018
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: 5 Year Review Reports
Schedule Due Date: 01/28/2023
Schedule Revised Date: Not reported

ENVIROSTOR:
Name: MONSANTO CHEMICAL COMPANY
Address: 2100 EAST 223RD STREET
City,State,Zip: CARSON, CA 90810
Facility ID: 19281200
Status: Active
Status Date: 04/23/1996
Site Code: 400266
Site Type: State Response
Site Type Detailed: State Response or NPL

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Acres:	11
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Angela Turner
Supervisor:	Emad Yemut
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	64
Senate:	35
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	33.82291
Longitude:	-118.2383
APN:	7315008030
Past Use:	MANUFACTURING - CHEMICALS
Potential COC:	* HALOGENATED SOLVENTS * HYDROCARBON SOLVENTS
Confirmed COC:	NONE SPECIFIED
Potential Description:	OTH, SOIL
Alias Name:	SOLUTIA
Alias Type:	Alternate Name
Alias Name:	7315008030
Alias Type:	APN
Alias Name:	110000749281
Alias Type:	EPA (FRS #)
Alias Name:	SLT43131129
Alias Type:	GeoTracker Global ID
Alias Name:	P43054
Alias Type:	PCode
Alias Name:	400266
Alias Type:	Project Code (Site Code)
Alias Name:	19281200
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Removal Action Completion Report
Completed Date:	01/11/1999
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Design/Implementation Workplan
Completed Date:	03/28/1997
Comments:	Approval of Remedial Design Specifications document, with Addendum prepared by DTSC.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Action Plan
Completed Date:	04/14/1995
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Investigation / Feasibility Study

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Completed Date: 01/23/1995
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 09/14/2010
Comments: Data from this report has been used for investigation and cleanup planning.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/31/2010
Comments: received

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 10/12/2010
Comments: The revised Final Interim Remedial Action Work Plan appears to incorporate our previous comments relayed to Solutia on 9/15/10.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/18/2011
Comments: Document received. Data will be used to make decisions regarding the cleanup of the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/17/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 09/06/2011
Comments: Completed & approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/17/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/12/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Completed Date: 09/26/2013
Comments: Monthly GW monitoring Report for September 2013

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/01/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/13/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/20/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/12/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/25/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/12/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/11/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/11/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/22/2017
Comments: Routine monthly report

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/17/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/12/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/11/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/18/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/11/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 02/09/1989
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 12/05/1990
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 03/07/1996
Comments: DTSC signed a Consent Order with the RPs.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 04/14/1995
Comments: The CEQA documents (Negative Declaration) and the Remedial Action Plan are approved following a 30-day public comment period. The recommended alternative includes the following elements: institutional controls; monitoring; excavation, in-situ and ex-situ bio-treatment, soil vapor extraction and bioventing of deep soils and

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

shallow soils; thermal/catalytic oxidation of soil vapor; vacuum enhanced LNAPL recovery with total fluids pumps; recovered LNAPL disposal by a certified waste recycler or a permitted hazardous waste TSDF; groundwater remediation by air sparging within the SVE capture radius and plume of groundwater contamination; if necessary groundwater extraction and treatment with air stripping followed by GAC; and treated groundwater discharge to the sanitary sewer. Sparging would not be implemented until the LNAPL had been removed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 10/29/1993
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Cost Recovery Settlements/Decrees
Completed Date: 01/13/1999
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/03/2020
Comments: Annual Oversight Cost Estimate completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Project Management
Completed Date: 06/30/2021
Comments: fiscal year is complete

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 05/11/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/09/2021
Comments: .

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/25/2009
Comments: Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Well Installation Workplan
Completed Date: 08/19/2009
Comments: Approved

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 09/14/2010
Comments: This was replaced by another work plan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/25/2009
Comments: Approved

Completed Area Name: MONSANTO CHEMICAL COMPANY - Soil OU
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/19/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/16/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 11/16/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/06/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/06/2020
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/11/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/18/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Completed Date: 10/13/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 05/01/2014
Comments: Uploaded 8/18/2021 for completeness of online record

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 12/18/2009
Comments: Uploaded 8/18/2021 for completeness of online record

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 01/28/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 06/12/1989
Comments: Site Screening Done: RP in violation of DHS permit. RP prepared a Preliminary Assessment/Site Inspection report (submitted 09/88). Release of benzene and DCE to upper aquifer. Chemical dump site 1952-1965 not addressed. RP is negotiating with ICI (other RP).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/13/2018
Comments: FY 1819 Estimate: $43,558

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 01/09/2019
Comments: FY 1819 Revised Estimate: $55,169

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/24/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/14/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Completed Date: 08/12/2013
Comments: GW monitoring report for August.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/14/2013
Comments: Addendum Report - Part of Monthly Monitoring Report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/19/2014
Comments: Not reported

Completed Area Name: MONSANTO CHEMICAL COMPANY - Soil OU
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 04/01/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/20/2020
Comments: comments on groundwater monitoring program made in response to groundwater monitoring report, no additional comments

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/12/2021
Comments: PM and geologist have no comments, no exceptions noted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/15/2021
Comments: no exceptions noted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/15/2021
Comments: no exceptions noted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/12/2021
Comments: no exceptions noted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/14/2022
Comments: Not reported

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 06/11/2020
Comments: no exceptions noted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/17/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 05/21/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/11/2021
Comments: DTSC has no comments and approves the document as-is

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 11/12/2019
Comments: Filed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/17/2020
Comments: no exceptions noted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/15/2020
Comments: no exceptions noted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/28/2021
Comments: comments have been addressed satisfactorily and report is approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/01/2021
Comments: DTSC has no comments

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Completed Date: 05/27/2015
Comments: Retrieved from file room and added to EStor for completeness of online record

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/10/2021
Comments: gsb has no comments, report is accepted as is

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/31/2020
Comments: no exceptions noted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/21/2020
Comments: No exceptions noted. Report contains no new data as semiannual sampling is in 2nd and 4th quarters.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/17/2021
Comments: dtsc has no comments on the report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/15/2021
Comments: no exceptions noted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/18/2021
Comments: no exceptions noted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/18/2022
Comments: No exceptions noted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/15/2021
Comments: no exceptions noted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/21/2013

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Comments: Annual Cost Estimate sent.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 05/21/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 07/14/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/14/2016
Comments: FY 1617 Annual Oversight Cost Estimate completed and mailed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/09/2015
Comments: FY 1516 Annual Cost Estimate completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/04/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 08/19/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/13/2009
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Workplan
Completed Date: 08/05/2008
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 09/03/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 10/28/2008
Comments: Approved with the stipulation that we get a revised WP in ASAP that shows the extra well we are requesting.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 06/29/2012
Comments: No Further Action for Soil is Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/11/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/12/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/11/2019
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/11/2019
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/27/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/15/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 01/22/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Completed Date: 11/13/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/15/2019
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Financial Assurance Documentation
Completed Date: 05/20/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/19/2020
Comments: accepted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/17/2020
Comments: no exceptions noted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/16/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/17/2020
Comments: no exceptions noted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/15/2018
Comments: sd

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 07/15/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/27/2018
Comments: Not reported

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/14/2018
Comments: Not reported

Completed Area Name: MONSANTO CHEMICAL COMPANY - Soil OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/30/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/16/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/11/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/18/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/17/2018
Comments: Conditionally approved.

Completed Area Name: MONSANTO CHEMICAL COMPANY - Soil OU
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 06/29/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 04/30/1991
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 11/01/2007
Comments: Workplan was reviewed by the new geologist and approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Completed Date: 01/13/2009
Comments: Approved with the condition that they add the RTCs to the document.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/13/2009
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 03/19/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 12/11/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 12/22/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/19/2010
Comments: Received report on time.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 11/15/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/10/2010
Comments: received

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/10/2011
Comments: received

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/10/2011
Comments: received

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/10/2011
Comments: Received

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/10/2011
Comments: received

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/10/2011
Comments: received

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/10/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/10/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/11/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/06/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/12/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/10/2011
Comments: Receipt of report acknowledged.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Completed Date: 11/10/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/16/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/03/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/22/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/08/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/08/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/14/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/11/2012
Comments: Monthly progress report for soil gas and groundwater, Septemeber 2012

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/17/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/25/2013
Comments: O/M - Routine GW monitoring report

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/18/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/31/2012
Comments: Monthly Progress Report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/12/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/06/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/11/2013
Comments: Monthly Progress Report for month of March 2013

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/10/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/12/2013
Comments: Monthly Progress Report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/11/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/13/2013
Comments: Monthly Report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Completed Date: 09/26/2013
Comments: Monthly Progress Report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/26/2014
Comments: Routine monthly progress report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/11/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/13/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/17/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/16/2014
Comments: Routine monthly progress report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/19/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/11/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/11/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/06/2015
Comments: Not reported

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/13/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/12/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/13/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/25/2017
Comments: DTSC made a final comment.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Manual
Completed Date: 11/05/2017
Comments: No comments on the given document. DTSC concur with O&M.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Financial Assurance Documentation
Completed Date: 12/11/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/31/2017
Comments: Not reported

Completed Area Name: MONSANTO CHEMICAL COMPANY - Soil OU
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/13/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/13/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

Completed Date: 11/13/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/13/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Constructed with O&M
Completed Date: 11/05/2017
Comments: DTSC concurs with this documents. Meeting with RP on 12/19 for further presentation on this project.

Completed Area Name: MONSANTO CHEMICAL COMPANY - Soil OU
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/11/2018
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: 5 Year Review Reports
Schedule Due Date: 01/28/2023
Schedule Revised Date: Not reported

CORTESE:
Name: MONSANTO CHEMICAL COMPANY
Address: 2100 EAST 223RD STREET
City,State,Zip: CARSON, CA 90810
Region: CORTESE
Envirostor Id: 19281200
Global ID: Not reported
Site/Facility Type: STATE RESPONSE
Cleanup Status: ACTIVE
Status Date: 04/23/1996
Site Code: 400266
Latitude: 33.822919
Longitude: -118.23838
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: envirostor
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Haz Waste & Substances Sites

MONSANTO CHEMICAL COMPANY (Continued) **S104404731**

HIST CORTESE:
edr_fname: MONSANTO CHEMICAL COMPANY
edr_fadd1: 2100 223RD
City,State,Zip: CARSON, CA 90745
Region: CORTESE
Facility County Code: 19
Reg By: CALSI
Reg Id: 19281200

X106 **RAYTHEON SYSTEMS CO** **SEMS** **1015730703**
NE **1500 HUGHES WAY** **CORRACTS** **CAT080012867**
1/2-1 **LONG BEACH, CA 90810** **RCRA-TSDF**
0.857 mi. **RCRA-SQG**
4526 ft. **Site 1 of 3 in cluster X**

Relative: Higher
Actual: 48 ft.

SEMS:
Site ID: 0903302
EPA ID: CAT080012867
Name: HUGHES AIRCRAFT CO.
Address: 1500 CABOT WAY
Address 2: Not reported
City,State,Zip: LONG BEACH, CA 90805
Cong District: 32
FIPS Code: 06037
Latitude: 33.855
Longitude: -118.195000
FF: N
NPL: Not on the NPL
Non NPL Status: Deferred to RCRA (Subtitle C)

SEMS Detail:
Region: 09
Site ID: 0903302
EPA ID: CAT080012867
Site Name: HUGHES AIRCRAFT CO.
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1991-01-01 05:00:00
Finish Date: 1991-01-01 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0903302
EPA ID: CAT080012867
Site Name: HUGHES AIRCRAFT CO.
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: Not reported
Finish Date: 1991-06-17 04:00:00

RAYTHEON SYSTEMS CO (Continued) **1015730703**

Qual: D
Current Action Lead: EPA Perf

CORRACTS:
Name: RAYTHEON SYSTEMS CO
Address: 1500 HUGHES WAY
Address 2: Not reported
EPA ID: CAT080012867
Area Name: ENTIRE FACILITY
Corrective Action: LEAD AGENCY DETERMINATION
Actual Date: 19910522
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: RAYTHEON SYSTEMS CO
Address: 1500 HUGHES WAY
Address 2: Not reported
EPA ID: CAT080012867
Area Name: ENTIRE FACILITY
Corrective Action: RFA NEED BY ANOTHER AGCY
Actual Date: Not reported
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: RAYTHEON SYSTEMS CO
Address: 1500 HUGHES WAY
Address 2: Not reported
EPA ID: CAT080012867
Area Name: ENTIRE FACILITY
Corrective Action: PA OR CERCLA INSPECTION
Actual Date: 19910522
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: RAYTHEON SYSTEMS CO
Address: 1500 HUGHES WAY
Address 2: Not reported
EPA ID: CAT080012867
Area Name: ENTIRE FACILITY
Corrective Action: CA PRIORITIZATION-LOW CA PRIORITY
Actual Date: 19920327
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: RAYTHEON SYSTEMS CO
Address: 1500 HUGHES WAY
Address 2: Not reported
EPA ID: CAT080012867

RAYTHEON SYSTEMS CO (Continued) **1015730703**

Area Name: ENTIRE FACILITY
Corrective Action: CA PRIORITIZATION-LOW CA PRIORITY
Actual Date: 19910522
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: RAYTHEON SYSTEMS CO
Address: 1500 HUGHES WAY
Address 2: Not reported
EPA ID: CAT080012867
Area Name: ENTIRE FACILITY
Corrective Action: STABILIZATION MEASURES EVALUATION-FACILITY NOT AMENABLE TO STABILIZATION
Actual Date: 19920327
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

RCRA TSDF:
Treatment Storage and Disposal Type: Storage
Full Enforcement Universe: Not reported
Corrective Action Workload Universe: No
Permit Renewals Workload Universe: Not reported
Permit Workload Universe: Not reported
Permit Progress Universe: Storage
Post-Closure Workload Universe: Not reported
Closure Workload Universe: Not reported
Operating TSDF Universe: Not reported
Commercial TSD Indicator: No
Active Site Fed-Reg Treatment Storage and Disposal Facility: Not reported
Active Site Converter Treatment storage and Disposal Facility: Not reported
Active Site State-Reg Treatment Storage and Disposal Facility: Not reported
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: No
TSDFs Only Subject to CA under Discretionary Auth Universe: Yes

RCRA Listings:
Date Form Received by Agency: 19980218
Handler Name: Raytheon Systems Co
Handler Address: 1500 HUGHES WAY
Handler City,State,Zip: LONG BEACH, CA 90810-0399
EPA ID: CAT080012867
Contact Name: J PATRICK MOHAN
Contact Address: 1665 HUGHES WAY
Contact City,State,Zip: LONG BEACH, CA 90810-0399
Contact Telephone: 310-513-3992
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported
EPA Region: 09
Land Type: Private
Federal Waste Generator Description: Small Quantity Generator
Non-Notifier: Not reported

RAYTHEON SYSTEMS CO (Continued) **1015730703**

Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	PO BOX 90515 BLDG 106 MS 1
Mailing City,State,Zip:	LOS ANGELES, CA 90009
Owner Name:	Raytheon Co
Owner Type:	Private
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	Yes
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	Low
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20060905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE

RAYTHEON SYSTEMS CO (Continued) **1015730703**

Waste Code: D002
Waste Description: CORROSIVE WASTE

Waste Code: D007
Waste Description: CHROMIUM

Waste Code: F003
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Handler - Owner Operator:

Owner/Operator Indicator: Owner
Owner/Operator Name: RAYTHEON CO
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 141 SPRING ST
Owner/Operator City,State,Zip: LEXINGTON, MA 02173
Owner/Operator Telephone: 781-860-2596
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: HUGHES AIRCRAFT SUPPORT SYSTEMS
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 1500 CABOT WAY
Owner/Operator City,State,Zip: CITY NOT REPORTED, CA 99999
Owner/Operator Telephone: 213-670-1515
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: RAYTHEON CO
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 141 SPRING ST
Owner/Operator City,State,Zip: LEXINGTON, MA 02173
Owner/Operator Telephone: 781-860-2596
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

RAYTHEON SYSTEMS CO (Continued) **1015730703**

Receive Date: 19960901
Handler Name: RAYTHEON SYSTEMS CO
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19980218
Handler Name: RAYTHEON SYSTEMS CO
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19801118
Handler Name: RAYTHEON SYSTEMS CO
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19980218
Handler Name: RAYTHEON SYSTEMS CO
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19920221
Handler Name: HUGHES AIRCRAFT CO/SUPPORT SYS
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No

RAYTHEON SYSTEMS CO (Continued) **1015730703**

Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	334419
NAICS Description:	OTHER ELECTRONIC COMPONENT MANUFACTURING
NAICS Code:	336419
NAICS Description:	OTHER GUIDED MISSILE AND SPACE VEHICLE PARTS AND AUXILIARY EQUIPMENT MANUFACTURING
NAICS Code:	54133
NAICS Description:	ENGINEERING SERVICES

Has the Facility Received Notices of Violations:

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported

RAYTHEON SYSTEMS CO (Continued) **1015730703**

Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	LDR - General
Date Violation was Determined:	19881014
Actual Return to Compliance Date:	19981227
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported

RAYTHEON SYSTEMS CO (Continued) **1015730703**

Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19881014
Actual Return to Compliance Date: 19881227
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19881230
Enforcement Identifier: 002
Date of Enforcement Action: 19881128
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported

RAYTHEON SYSTEMS CO (Continued) **1015730703**

Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 19881011
Actual Return to Compliance Date: 19890221
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 19881013
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: LDR - General
Date Violation was Determined: 19881014
Actual Return to Compliance Date: 19881227
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported

RAYTHEON SYSTEMS CO (Continued) **1015730703**

Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported

RAYTHEON SYSTEMS CO (Continued) **1015730703**

Final Amount: Not reported

Evaluation Action Summary:

Evaluation Date: 19940317
Evaluation Responsible Agency: State Contractor/Grantee
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19881014
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19981227
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19901005
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19881014
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19881227
Scheduled Compliance Date: 19881230
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19881011
Evaluation Responsible Agency: State

RAYTHEON SYSTEMS CO (Continued) **1015730703**

Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19890221
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19881014
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19881227
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19901107
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

X107 **HUGHES AIRCRAFT COMPANY-LONG B** **EMI** **1000240985**
NE **1500 HUGHES WAY** **HWP** **N/A**
1/2-1 **LONG BEACH, CA 90805**
0.857 mi.
4526 ft. **Site 2 of 3 in cluster X**

Relative: Higher

Actual: 48 ft.

EMI:

Name:	HUGHES AIRCRAFT COMPANY-LONG B
Address:	1500 HUGHES WAY
City,State,Zip:	LONG BEACH, CA 908050000
Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	70210
Air District Name:	SC
SIC Code:	3728
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	2
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

HWP:

EPA ID:	CAT080012867
Name:	RAYTHEON COMPANY
Address:	1500 HUGHES WAY
Cleanup Status:	CLOSED
Latitude:	33.82728
Longitude:	-118.2123
Facility Type:	Historical - Non-Operating
Facility Size:	Not reported
Supervisor:	Not reported
Site Code:	400222
Senate District:	35
Assembly District:	70
Public Information Officer:	Not reported
Commercial Offsite Facility Types:	Not reported
Quarterly Update:	This facility is also known as Hughes Aircraft Support. Facility generated and stored hazardous waste from manufacturing and assembly of electronic components. This facility in file is shown with three differing address. 1665 Hughes, 1500 Hughes way, and 1500 Cabot Way, Long Beach. ISD was issued for this facility on 12/16/81. The facility did not obtain a part B permit and verified closed on 9/28/92. Corrective action files found was a PA conducted by USEPA on 5/22/91.
Project Manager Lead:	Not reported
Project Manager:	Not reported
Permit Type:	RCRA
Permit Effective Date:	Not reported
Permit Expiration Date:	Not reported
Calenviroscreen Score:	76-80%
Total Planned Hours:	Not reported
Total Planned Amount:	Not reported
Total Actual Hours:	Not reported

HUGHES AIRCRAFT COMPANY-LONG B (Continued) **1000240985**

Activities:

EPA ID:	CAT080012867
Facility Type:	Historical - Non-Operating
Facility Name:	RAYTHEON COMPANY
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Status:	CLOSED
Activity Type:	New Operating Permit
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	Not reported
Type:	RCRA
Title Description:	Imported 12/2011:PERMIT
Due Date:	Not reported
Comments:	Not reported
Unit Names:	Not reported
Event Description:	New Operating Permit - APPLICATION PART A RECEIVED
Actual Date:	11/08/1980

EPA ID:	CAT080012867
Facility Type:	Historical - Non-Operating
Facility Name:	RAYTHEON COMPANY
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Status:	CLOSED
Activity Type:	New Operating Permit
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	Not reported
Type:	RCRA
Title Description:	Imported 12/2011:PERMIT
Due Date:	Not reported
Comments:	Part B application submitted
Unit Names:	Not reported
Event Description:	New Operating Permit - APPLICATION PART B RECEIVED
Actual Date:	05/01/1983

Closure:

EPA ID:	CAT080012867
Facility Type:	Historical - Non-Operating
Facility Name:	RAYTHEON COMPANY
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Size:	Not reported
Facility Status:	CLOSED
Activity Type:	Closure Final
Final Date:	Not reported
Type:	RCRA
Title Description:	Closure
Due Date:	Not reported
Comments:	Not reported
Unit Names:	CONTAIN1, TANKSTR1
Event Description:	Closure Final - RECEIVE CLOSURE CERTIFICATION

HUGHES AIRCRAFT COMPANY-LONG B (Continued) **1000240985**

Actual Date: 08/01/1992

EPA ID: CAT080012867
Facility Type: Historical - Non-Operating
Facility Name: RAYTHEON COMPANY
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Size: Not reported
Facility Status: CLOSED
Activity Type: Closure Final
Final Date: Not reported
Type: RCRA
Title Description: Closure
Due Date: Not reported
Comments: Not reported
Unit Names: CONTAIN1, TANKSTR1
Event Description: Closure Final - ISSUE CLOSURE VERIFICATION
Actual Date: 09/28/1992

Alias:
EPA ID: CAT080012867
Facility Type: Historical - Non-Operating
Facility Name: RAYTHEON COMPANY
Facility Status: CLOSED
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Alias Type: Project Code (Site Code)
Alias: 400222

X108 **HUGHES TECHNICAL SERVICES COMP** **ENVIROSTOR** **1005775628**
NE **1500,1665 HUGHES WAY** **FINDS** **N/A**
1/2-1 **LONG BEACH, CA 90810** **EMI**
0.857 mi. **CERS**
4526 ft. **Site 3 of 3 in cluster X**

Relative: Higher
Actual: 48 ft.

ENVIROSTOR:
Name: RAYTHEON COMPANY
Address: 1500 HUGHES WAY
City,State,Zip: LONG BEACH, CA 908101864
Facility ID: 80001843
Status: No Action Required
Status Date: 05/31/2012
Site Code: 400222
Site Type: Corrective Action
Site Type Detailed: Corrective Action
Acres: 0
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: WM
Program Manager: Katherine Gould
Supervisor: * Unknown
Division Branch: Cleanup Chatsworth
Assembly: 70
Senate: 35

HUGHES TECHNICAL SERVICES COMP (Continued) **1005775628**

Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.82728
Longitude: -118.2123
APN: 7310016072
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 7310016072
Alias Type: APN
Alias Name: CAT080012867
Alias Type: EPA Identification Number
Alias Name: 400222
Alias Type: Project Code (Site Code)
Alias Name: 80001843
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/04/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 05/22/1991
Comments: PA Conducted by USEPA

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Questionnaire
Completed Date: 03/27/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 03/09/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 05/22/1991
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported

HUGHES TECHNICAL SERVICES COMP (Continued) **1005775628**

Schedule Due Date: Not reported
Schedule Revised Date: Not reported

FINDS:
Registry ID: 110002423244

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
HAZARDOUS AIR POLLUTANT MAJOR

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

EMI:

Name:	HUGHES AIRCRAFT CO
Address:	1500,1665 HUGHES WY
City,State,Zip:	LONG BEACH, CA 90810
Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	17629
Air District Name:	SC
SIC Code:	3679
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	HUGHES TECHNICAL SERVICES COMP
Address:	1500,1665 HUGHES WAY
City,State,Zip:	LONG BEACH, CA 90810
Year:	1993
County Code:	19
Air Basin:	SC
Facility ID:	17629
Air District Name:	SC
SIC Code:	3679
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	7
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	HUGHES TECHNICAL SERVICES COMP
Address:	1500,1665 HUGHES WAY
City,State,Zip:	LONG BEACH, CA 90810

HUGHES TECHNICAL SERVICES COMP (Continued) **1005775628**

Year:	1995
County Code:	19
Air Basin:	SC
Facility ID:	17629
Air District Name:	SC
SIC Code:	3679
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	7
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	HUGHES TECHNICAL SERVICES COMP
Address:	1500 1665 HUGHES WAY
City,State,Zip:	LONG BEACH, CA 90810
Year:	1996
County Code:	19
Air Basin:	SC
Facility ID:	17629
Air District Name:	SC
SIC Code:	3679
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	HUGHES TECHNICAL SERVICES COMP
Address:	1500,1665 HUGHES WAY
City,State,Zip:	LONG BEACH, CA 90810
Year:	1997
County Code:	19
Air Basin:	SC
Facility ID:	17629
Air District Name:	SC
SIC Code:	3679
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

HUGHES TECHNICAL SERVICES COMP (Continued) **1005775628**

Name:	HUGHES TECHNICAL SERVICES COMP
Address:	1500,1665 HUGHES WAY
City,State,Zip:	LONG BEACH, CA 90810
Year:	1998
County Code:	19
Air Basin:	SC
Facility ID:	17629
Air District Name:	SC
SIC Code:	3679
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	HUGHES TECHNICAL SERVICES COMP
Address:	1500,1665 HUGHES WAY
City,State,Zip:	LONG BEACH, CA 90810
Year:	1999
County Code:	19
Air Basin:	SC
Facility ID:	17629
Air District Name:	SC
SIC Code:	3679
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	HUGHES TECHNICAL SERVICES COMP
Address:	1500,1665 HUGHES WAY
City,State,Zip:	LONG BEACH, CA 90810
Year:	2000
County Code:	19
Air Basin:	SC
Facility ID:	17629
Air District Name:	SC
SIC Code:	3679
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0

HUGHES TECHNICAL SERVICES COMP (Continued) **1005775628**

Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	HUGHES TECHNICAL SERVICES COMP
Address:	1500,1665 HUGHES WAY
City,State,Zip:	LONG BEACH, CA 90810
Year:	2001
County Code:	19
Air Basin:	SC
Facility ID:	17629
Air District Name:	SC
SIC Code:	3679
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

CERS:

Name:	HUGHES TECHNICAL SERVICES COMP
Address:	1500,1665 HUGHES WAY
City,State,Zip:	LONG BEACH, CA 90810-1864
Site ID:	473039
CERS ID:	110002423244
CERS Description:	US EPA Air Emission Inventory System (EIS)

109
North
1/2-1
0.882 mi.
4659 ft.

Relative:
Higher

Actual:
28 ft.

COMMONWELATH ALUMINUM CARSON ROLLING MIL
2211 E. CARSON ST.
LONG BEACH, CA 90810

RCRA-SQG **1000298661**
ENVIROSTOR **CAT080012933**
SWF/LF
LUST
DEED
HIST CORTESE
LOS ANGELES CO. HMS
CERS

RCRA Listings:

Date Form Received by Agency:	20060116
Handler Name:	Commonwelath Aluminum Carson Rolling Mil
Handler Address:	2211 E. CARSON ST.
Handler City,State,Zip:	LONG BEACH, CA 90810
EPA ID:	CAT080012933
Contact Name:	LUDA ADENSKAYA
Contact Address:	Not reported
Contact City,State,Zip:	Not reported
Contact Telephone:	310-847-8834
Contact Fax:	Not reported
Contact Email:	LUDA.ADENSKAYA@ALERIS.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported

COMMONWELATH ALUMINUM CARSON ROLLING MIL (Continued) **1000298661**

Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	2211 E. CARSON ST.
Mailing City,State,Zip:	LONG BEACH, CA 90810
Owner Name:	Aleris Rolled Products
Owner Type:	Private
Operator Name:	Bill Newton
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20070305
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2005

Click Here for Biennial Reporting System Data:
Year: 2001

COMMONWELATH ALUMINUM CARSON ROLLING MIL (Continued) **1000298661**

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D002
Waste Description:	CORROSIVE WASTE
Waste Code:	D039
Waste Description:	TETRACHLOROETHYLENE
Waste Code:	D040
Waste Description:	TRICHLORETHYLENE
Waste Code:	F002
Waste Description:	THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Waste Code:	F003
Waste Description:	THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: NOT REQUIRED	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: COMMONWEALTH ALUMINUM CORP	
Legal Status:	Private
Date Became Current:	Not reported

COMMONWELATH ALUMINUM CARSON ROLLING MIL (Continued) **1000298661**

Date Ended Current:	Not reported
Owner/Operator Address:	2211 E CARSON
Owner/Operator City,State,Zip:	LONG BEACH, CA 90810
Owner/Operator Telephone:	310-518-0550
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: BILL NEWTON	
Legal Status:	Private
Date Became Current:	20050101
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: ALERIS ROLLED PRODUCTS	
Legal Status:	Private
Date Became Current:	20041209
Date Ended Current:	Not reported
Owner/Operator Address:	1700 EASTPOINT PARKWAY SUT 200
Owner/Operator City,State,Zip:	LOUISVILLE, KY 40223
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: BILL NEWTON	
Legal Status:	Private
Date Became Current:	20050101
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: ALERIS ROLLED PRODUCTS	
Legal Status:	Private
Date Became Current:	20041209
Date Ended Current:	Not reported
Owner/Operator Address:	1700 EASTPOINT PARKWAY SUT 200
Owner/Operator City,State,Zip:	LOUISVILLE, KY 40223
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

COMMONWELATH ALUMINUM CARSON ROLLING MIL (Continued) **1000298661**

Historic Generators:

Receive Date:	19960901
Handler Name:	COMMONWEALTH ALUMINUM CORP
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20060116
Handler Name:	COMMONWELATH ALUMINUM CARSON ROLLING MIL
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	19970305
Handler Name:	COMMONWEALTH ALUMINUM CORP
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	19990304
Handler Name:	BARMET ALUMINUM A WHOLY OWNED SUBSIDIARY
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20020222
Handler Name:	COMMONWEALTH ALUMINUM CARSON ROLLING MIL
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported

COMMONWELATH ALUMINUM CARSON ROLLING MIL (Continued) **1000298661**

Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20060116
Handler Name: COMMONWELATH ALUMINUM CARSON ROLLING MIL
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 331314
NAICS Description: SECONDARY SMELTING AND ALLOYING OF ALUMINUM

NAICS Code: 331315
NAICS Description: ALUMINUM SHEET, PLATE, AND FOIL MANUFACTURING

NAICS Code: 331319
NAICS Description: OTHER ALUMINUM ROLLING AND DRAWING

NAICS Code: 331492
NAICS Description: SECONDARY SMELTING, REFINING, AND ALLOYING OF NONFERROUS METAL (EXCEPT COPPER AND ALUMINUM)

NAICS Code: 332812
NAICS Description: METAL COATING, ENGRAVING (EXCEPT JEWELRY AND SILVERWARE), AND ALLIED SERVICES TO MANUFACTURERS

Has the Facility Received Notices of Violations:
Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 20050512
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported

COMMONWELATH ALUMINUM CARSON ROLLING MIL (Continued) **1000298661**

Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Evaluation Action Summary:

Evaluation Date:	20050512
Evaluation Responsible Agency:	State Contractor/Grantee
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

ENVIROSTOR:

Name:	COMMONWEALTH ALUMINUM CORP.
Address:	2211 E. CARSON STREET
City,State,Zip:	LONG BEACH, CA 90810
Facility ID:	71004111
Status:	Certified O&M - Land Use Restrictions Only
Status Date:	07/16/2014
Site Code:	550350
Site Type:	Tiered Permit
Site Type Detailed:	Tiered Permit
Acres:	10.3
NPL:	NO
Regulatory Agencies:	TPCAB
Lead Agency:	TPCAB
Program Manager:	Johnson Abraham
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	70

COMMONWELATH ALUMINUM CARSON ROLLING MIL (Continued) **1000298661**

Senate: 33
Special Program: Not reported
Restricted Use: YES
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.83250
Longitude: -118.1653
APN: NONE SPECIFIED
Past Use: MANUFACTURING - METAL, RECYCLING - SCRAP METAL
Potential COC: TPH-MOTOR OIL
Confirmed COC: TPH-MOTOR OIL
Potential Description: OTH, SOIL
Alias Name: BARMET ALUMINUM CORP
Alias Type: Alternate Name
Alias Name: Prologis
Alias Type: Alternate Name
Alias Name: CAT080012933
Alias Type: EPA Identification Number
Alias Name: 110000476397
Alias Type: EPA (FRS #)
Alias Name: SLT4L7721868
Alias Type: GeoTracker Global ID
Alias Name: T0603702771
Alias Type: GeoTracker Global ID
Alias Name: T10000000125
Alias Type: GeoTracker Global ID
Alias Name: 550350
Alias Type: Project Code (Site Code)
Alias Name: 71004111
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 12/24/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 07/18/2011
Comments: Project Manager: Nora

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Plan
Completed Date: 09/24/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Workplan
Completed Date: 09/21/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

COMMONWELATH ALUMINUM CARSON ROLLING MIL (Continued) **1000298661**

Completed Document Type: Remedial Action Completion Report
Completed Date: 06/17/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/29/2019
Comments: DTSC prepared and uploaded the Cost Estimate.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/02/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/16/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 07/18/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 06/17/2015
Comments: DTSC approved the LUC Inspection Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 08/29/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 08/28/2018
Comments: DTSC approved the Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Project Management
Completed Date: 06/30/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/23/2013
Comments: DTSC approved the groundwater monitoring termination approval.

COMMONWELATH ALUMINUM CARSON ROLLING MIL (Continued) **1000298661**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Well Decommissioning Report
Completed Date: 02/13/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/28/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 08/06/2018
Comments: DTSC completed site visit.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/07/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/14/2015
Comments: Annual cost estimate emailed and mailed to BP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/13/2018
Comments: FY 1819 Estimate: $5,527

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 09/04/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/15/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 09/23/2013
Comments: DTSC completed Annual LUC Site Visit.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report

COMMONWELATH ALUMINUM CARSON ROLLING MIL (Continued) **1000298661**

Completed Date: 07/16/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 06/14/2010
Comments: Project Manager: Nora

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * CEQA
Completed Date: 11/21/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 09/04/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/11/2017
Comments: Annual cost estimate sent to RP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 02/11/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/30/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 09/23/2013
Comments: DTSC completed the LUC site visit.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Acknowledgement of Satisfaction
Completed Date: 07/15/2014
Comments: DTSC signed the Acknowledgment of Satisfaction.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Health & Safety Plan
Completed Date: 10/21/2011
Comments: Not reported

COMMONWELATH ALUMINUM CARSON ROLLING MIL (Continued) **1000298661**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 07/09/2010
Comments: Project Manager: Nora

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 05/18/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 08/06/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 07/17/2019
Comments: DTSC approved the Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 06/28/2011
Comments: Land Use Restriction Monitoring Report reviewed and approve by DTSC's project manager Jermaine Nora.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 04/17/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1 Non-Submittal
Completed Date: 05/01/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Agreement
Completed Date: 08/28/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Selection and Statement of Basis
Completed Date: 12/24/2007
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported

COMMONWELATH ALUMINUM CARSON ROLLING MIL (Continued) **1000298661**

Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

SWF/LF (SWIS):

Name:	COMMONWEALTH ALUMINUM
Address:	2211 E. CARSON ST
City,State,Zip:	LONG BEACH, CA 90810
Region:	STATE
Facility ID:	19-AQ-5064
SWIS Number:	19-AQ-5064
Point of Contact:	Dawn Liang
Is Archived:	No
Is Closed Illegal Abandoned:	Yes
Is Site Inert Debris Engineered Fill:	No
Is Financial Assurances Responsible:	No
Absorbed On:	Not reported
Operational Status:	Closed
Absorbed By:	Not reported
Closed Illegal Abandoned Category:	C1
EPA Federal Registry ID:	Not reported
ARB District:	South Coast
SWRCB Region:	Los Angeles
Local Government:	Long Beach
Reporting Agency Legal Name:	County of Los Angeles
Reporting Agency Department:	Department of Public Health
Enforcing Agency Legal Name:	County of Los Angeles
Enforcing Agency Department:	Department of Public Health
Regulation Status:	TBD (Pending Investigation)

Activity:

SWIS Number:	19-AQ-5064
Site Name:	Commonwealth Aluminum
Activity:	Solid Waste Disposal Site
Activity Is Archived:	No
Category:	Disposal
Activity Classification:	Solid Waste Disposal Site
WDR Number:	Not reported
WDR Landfill Class:	Not reported
Cease Operation:	Not reported
Cease Operation Type:	Not reported
Inspection Frequency:	Annual
Throughput:	0
Throughput Units:	Not reported
Remaining Capacity:	0
Remaining Capacity Date:	Not reported
Capacity:	0
Capacity Units:	Not reported
Total Acreage:	0
Disposal Acreage:	0
Permitted Elevation:	0
Permitted Elevation Type:	Not reported
Permitted Depth:	0

COMMONWELATH ALUMINUM CARSON ROLLING MIL (Continued) **1000298661**

Permitted Depth Type:	Not reported
Point of Contact:	Dawn Liang
Site Operational Status:	Closed
Site Regulatory Status:	TBD (Pending Investigation)
Site Is Archived:	No
Is Closed Illegal Abandoned:	Yes
Is Site Inert Debris Engineered Fill:	No
Is Financial Assurances Responsible:	No
Absorbed On:	Not reported
Absorbed By:	Not reported
Closed Illegal Abandoned Category:	C1
EPA Federal Registry ID:	Not reported
County:	Los Angeles
ARB District:	South Coast
SWRCB Region:	Los Angeles
Local Government:	Long Beach
Street Address:	2211 E. Carson St
City:	Long Beach
State:	CA
ZIP Code:	90810
Reporting Agency Legal Name:	County of Los Angeles
Reporting Agency Department:	Department of Public Health
Enforcing Agency Legal Name:	County of Los Angeles
Enforcing Agency Department:	Department of Public Health

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	I-01298	
Status:	Remedial action (cleanup) Underway	
Substance:	Hydrocarbons	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Groundwater	
Abatement Method Used at the Site:		FPVEED
Global ID:	T0603702771	
W Global ID:	Not reported	
Staff:	SLC	
Local Agency:	19000	
Cross Street:	WILMINGTON AVE	
Enforcement Type:	Not reported	
Date Leak Discovered:	4/23/1990	
Date Leak First Reported:		7/12/1990
Date Leak Record Entered:	11/28/1990	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	5/12/1993	
Date Case Last Changed on Database:		8/16/2000
Date the Case was Closed:		Not reported
How Leak Discovered:	Subsurface Monitoring	
How Leak Stopped:	Not reported	
Cause of Leak:	Structure Failure	
Leak Source:	Other Source	
Operator:	FAJARDO, PAUL	
Water System:	Not reported	
Well Name:	Not reported	

COMMONWELATH ALUMINUM CARSON ROLLING MIL (Continued) **1000298661**

Approx. Dist To Production Well (ft): 1494.207415814815240113717326
Source of Cleanup Funding: Other Source
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: 7/9/1990
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: 6/19/1998
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Yes
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: BARMET ALUMINUM CORP
RP Address: P.O. BOX 22769
Program: SLIC
Lat/Long: 33.8318361 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: LOP/HIGH - KNOWN HEALTH/SAFETY/ENVIRONMENTAL IMPACT
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: SOLVENT CASE - TRANSFERRED TO SLIC #772 ; 09/22/98 QRTLY FP RECOVERY RPT (2ND QTR 98); 12/31/98 QRTLY FP RECOVERY RPT (3RD QTR 98); 02/23/99 QTRLY FP RECOVERY RPT (4TH QTR 98); 7/1/99 1ST QTR GW 1999; 10/14/99 3RD QTR GW MO

DEED:
Name: COMMONWEALTH ALUMINUM CORP.
Address: 2211 E. CARSON STREET
City,State,Zip: LONG BEACH, CA 90810
Envirostor ID: 71004111
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: TIERED PERMIT
Status: CERTIFIED O&M - LAND USE RESTRICTIONS ONLY
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): Not reported
File Name: Envirostor Land Use Restrictions

HIST CORTESE:
edr_fname: COMMONWEALTH ALUMINUM COR
edr_fadd1: 2211 CARSON
City,State,Zip: CARSON, CA 90810
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: I-01298

COMMONWELATH ALUMINUM CARSON ROLLING MIL (Continued) **1000298661**

LOS ANGELES CO. HMS:
Name: COMMONWEALTH ALUMINUM INC
Address: 2211 E CARSON ST
City,State,Zip: CARSON, CA 908101227
Region: LA
Permit Category: I
Facility Id: 001238-024595
Facility Type: 09
Facility Status: Closed
Area: 22
Permit Number: 000351722
Permit Status: Closed

CERS:
Name: COMMONWEALTH ALUMINUM CORP.
Address: 2211 CARSON ST E
City,State,Zip: CARSON, CA 90810
Site ID: 220756
CERS ID: T0603702771
CERS Description: Cleanup Program Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: JOHN AWUJO - LOS ANGELES COUNTY
Entity Title: Not reported
Affiliation Address: 900 S FREMONT AVE
Affiliation City: ALHAMBRA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 6264583507,

Y110 **NIKLOR CHEMICAL CO INC** **ENVIROSTOR** **S118757540**
NNW **2060 E 220TH ST** **N/A**
1/2-1 **LONG BEACH, CA 90810**
0.888 mi.
4689 ft. **Site 1 of 3 in cluster Y**

Relative:
Higher

Actual:
26 ft.

ENVIROSTOR:
Name: NIKLOR CHEMICAL CO INC
Address: 2060 E 220TH ST
City,State,Zip: LONG BEACH, CA 908100000
Facility ID: 80001581
Status: No Action Required
Status Date: 06/19/2013
Site Code: Not reported
Site Type: Corrective Action
Site Type Detailed: Corrective Action
Acres: 0
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: * Unknown
Division Branch: Cleanup Chatsworth
Assembly: 64

NIKLOR CHEMICAL CO INC (Continued) **S118757540**

Senate: 35
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.82750
Longitude: -118.2371
APN: 7316027017
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 7316027017
Alias Type: APN
Alias Name: CAD008392052
Alias Type: EPA Identification Number
Alias Name: 80001581
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 07/16/1991
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Y111 **NIKLOR CHEMICAL COMPANY INC.** **ENVIROSTOR** **U001565757**
NNW **2060 E. 220TH ST.** **HIST UST** **N/A**
1/2-1 **CARSON, CA 90810**
0.888 mi.
4689 ft. **Site 2 of 3 in cluster Y**

Relative:
Higher

Actual:
26 ft.

ENVIROSTOR:
Name: NIKLOR CHEMICAL COMPANY INC.
Address: 2060 E. 220TH ST.
City,State,Zip: CARSON, CA 90810
Facility ID: 19281226
Status: Refer: 1248 Local Agency
Status Date: 05/27/2004
Site Code: Not reported
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Referred - Not Assigned

NIKLOR CHEMICAL COMPANY INC. (Continued) **U001565757**

Division Branch: Cleanup Cypress
Assembly: 64
Senate: 35
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not Applicable
Latitude: 33.82753
Longitude: -118.2371
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 19281226
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

HIST UST:
Name: NIKLOR CHEMICAL CO. IN.
Address: 2060 E 220TH ST
City,State,Zip: CARSON, CA 90745
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000021000
Facility Type: Other
Other Type: CHEMICAL MFG.
Contact Name: JOHN M. WILHELM
Telephone: 2138302253
Owner Name: NIKLOR CHEMICAL CO., INC.
Owner Address: 2060 E. 220TH STREET
Owner City,St,Zip: CARSON, CA 90745
Total Tanks: 0006

Tank Num: 001
Container Num: 121
Year Installed: 1974
Tank Capacity: 00002000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED

NIKLOR CHEMICAL COMPANY INC. (Continued) **U001565757**

Container Construction Thickness: 1/4
Leak Detection: None

Tank Num: 002
Container Num: 012
Year Installed: 1969
Tank Capacity: 00001200
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 6
Leak Detection: None

Tank Num: 003
Container Num: 013
Year Installed: 1970
Tank Capacity: 00002000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 3/16
Leak Detection: Not reported

Tank Num: 004
Container Num: 120
Year Installed: 1974
Tank Capacity: 00005000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: 1/4
Leak Detection: None

Tank Num: 005
Container Num: 095
Year Installed: 1972
Tank Capacity: 00001500
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 3
Leak Detection: None

Tank Num: 006
Container Num: 011
Year Installed: 1969
Tank Capacity: 00001200
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 6
Leak Detection: None

Y112 **NIKLOR CHEMICAL CO., INC.** **SEMS-ARCHIVE** **1000290751**
NNW **2060 E 220TH STREET** **CORRACTS** **CAD008392052**
1/2-1 **LONG BEACH, CA 90810** **RCRA NonGen / NLR**
0.888 mi. **HWP**
4689 ft. **Site 3 of 3 in cluster Y** **HAZNET**
CERS
Relative: **HWTS**
Higher

Actual: **26 ft.**

SEMS Archive:

Site ID:	0900308
EPA ID:	CAD008392052
Name:	NIKLOR CHEMICAL CO INC
Address:	2060 E 220TH ST
Address 2:	Not reported
City,State,Zip:	LONG BEACH, CA 90810
Cong District:	32
FIPS Code:	06037
FF:	N
NPL:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region:	09
Site ID:	0900308
EPA ID:	CAD008392052
Site Name:	NIKLOR CHEMICAL CO INC
NPL:	N
FF:	N
OU:	00
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	1996-01-23 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	09
Site ID:	0900308
EPA ID:	CAD008392052
Site Name:	NIKLOR CHEMICAL CO INC
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	Not reported
Finish Date:	1991-07-16 04:00:00
Qual:	D
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0900308
EPA ID:	CAD008392052
Site Name:	NIKLOR CHEMICAL CO INC
NPL:	N
FF:	N
OU:	00
Action Code:	DS

NIKLOR CHEMICAL CO., INC. (Continued) **1000290751**

Action Name: DISCVRY
SEQ: 1
Start Date: 1990-08-24 04:00:00
Finish Date: 1990-08-24 04:00:00
Qual: Not reported
Current Action Lead: EPA Perf

CORRACTS:
Name: NIKLOR CHEMICAL CO., INC.
Address: 2060 E 220TH STREET
Address 2: Not reported
EPA ID: CAD008392052
Area Name: ENTIRE FACILITY
Corrective Action: CA PRIORITIZATION-LOW CA PRIORITY
Actual Date: 19910716
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

RCRA Listings:
Date Form Received by Agency: 19930924
Handler Name: Niklor Chemical Co., Inc.
Handler Address: 2060 E 220TH STREET
Handler City,State,Zip: LONG BEACH, CA 90810
EPA ID: CAD008392052
Contact Name: Not reported
Contact Address: Not reported
Contact City,State,Zip: Not reported
Contact Telephone: Not reported
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Not reported
State District Owner: CA
State District: 4
Mailing Address: 2060 E 220TH STREET
Mailing City,State,Zip: LONG BEACH, CA 90810
Owner Name: Not reported
Owner Type: Not reported
Operator Name: Niklor Chemical Co Inc.
Operator Type: Private
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility Activity: No
Recycler Activity with Storage: No
Small Quantity On-Site Burner Exemption: No

NIKLOR CHEMICAL CO., INC. (Continued) **1000290751**

Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	Low
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20020917
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: NIKLOR CHEMICAL CO INC.	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2060 E 220TH STREET
Owner/Operator City,State,Zip:	CITY NOT REPORTED, CA 99999
Owner/Operator Telephone:	213-830-2253
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: NIKLOR CHEMICAL CO INC.	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2060 E 220TH STREET
Owner/Operator City,State,Zip:	LONG BEACH, CA 90810
Owner/Operator Telephone:	213-830-2253
Owner/Operator Telephone Ext:	Not reported

NIKLOR CHEMICAL CO., INC. (Continued) **1000290751**

Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19930924
Handler Name: NIKLOR CHEMICAL CO., INC.
Federal Waste Generator Description: Not a generator, verified
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19810227
Handler Name: NIKLOR CHEMICAL CO., INC.
Federal Waste Generator Description: Not a generator, verified
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 32532
NAICS Description: PESTICIDE AND OTHER AGRICULTURAL CHEMICAL MANUFACTURING

Has the Facility Received Notices of Violations:
Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported

NIKLOR CHEMICAL CO., INC. (Continued) **1000290751**

Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 19880208
Actual Return to Compliance Date: 19880303
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 002
Date of Enforcement Action: 19880606
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 77500
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State

NIKLOR CHEMICAL CO., INC. (Continued) **1000290751**

Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	19890425
Actual Return to Compliance Date:	19890425
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	003
Date of Enforcement Action:	19881101
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	25000
Paid Amount:	25000
Final Count:	1
Final Amount:	25000

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19880222
Actual Return to Compliance Date:	19880303
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19880324
Enforcement Identifier:	001
Date of Enforcement Action:	19880302
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported

NIKLOR CHEMICAL CO., INC. (Continued) **1000290751**

Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:
Evaluation Date: 19890427
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19880208
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19880303
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19890425
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19890425
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

NIKLOR CHEMICAL CO., INC. (Continued) **1000290751**

Evaluation Date:	19880222
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19880303
Scheduled Compliance Date:	19880324
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

HWP:

EPA ID:	CAD008392052
Name:	NIKLOR CHEMICAL CO INC
Address:	2060 E 220TH ST
Cleanup Status:	PROTECTIVE FILER
Latitude:	33.82750
Longitude:	-118.2371
Facility Type:	Historical - Non-Operating
Facility Size:	Not reported
Supervisor:	Not reported
Site Code:	Not reported
Senate District:	35
Assembly District:	64
Public Information Officer:	Not reported
Commercial Offsite Facility Types:	Not reported
Quarterly Update:	Not reported
Project Manager Lead:	Not reported
Project Manager:	Not reported
Permit Type:	Not reported
Permit Effective Date:	Not reported
Permit Expiration Date:	Not reported
Calenviroscreen Score:	91-95%
Total Planned Hours:	Not reported
Total Planned Amount:	Not reported
Total Actual Hours:	Not reported

Activities:

EPA ID:	CAD008392052
Facility Type:	Historical - Non-Operating
Facility Name:	NIKLOR CHEMICAL CO INC
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Status:	PROTECTIVE FILER

NIKLOR CHEMICAL CO., INC. (Continued) **1000290751**

Activity Type:	Protective Filer Status
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	Not reported
Type:	Not reported
Title Description:	Protective Filer
Due Date:	Not reported
Comments:	Not reported
Unit Names:	OBOD1
Event Description:	Protective Filer Status - PROTECTIVE FILER (RECEIVED)
Actual Date:	02/15/1989

EPA ID:	CAD008392052
Facility Type:	Historical - Non-Operating
Facility Name:	NIKLOR CHEMICAL CO INC
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Status:	PROTECTIVE FILER
Activity Type:	Protective Filer Status
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	Not reported
Type:	Not reported
Title Description:	Protective Filer
Due Date:	Not reported
Comments:	Not reported
Unit Names:	OBOD1
Event Description:	Protective Filer Status - PROTECTIVE FILER (APPROVED)
Actual Date:	09/25/1991

HAZNET:

Name:	NIKLOR CHEMICAL CO INC
Address:	2060 E 220TH ST
Address 2:	Not reported
City,State,Zip:	LONG BEACH, CA 908100000
Contact:	STEPHEN N WILHELM
Telephone:	6618242494
Mailing Name:	Not reported
Mailing Address:	1667 PURDY AVE

Year:	2005
Gepaid:	CAD008392052
TSD EPA ID:	UTD981552177
CA Waste Code:	352 - Other organic solids
Disposal Method:	T03 - Treatment, Incineration
Tons:	0.075

Year:	2005
Gepaid:	CAD008392052
TSD EPA ID:	CAD980675276
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	T01 - Treatment, Tank
Tons:	5.8996

Year:	2005

NIKLOR CHEMICAL CO., INC. (Continued) **1000290751**

Gepaid: CAD008392052
TSD EPA ID: UTD981552177
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: T03 - Treatment, Incineration
Tons: 0.165

Year: 2002
Gepaid: CAD008392052
TSD EPA ID: CAT080013352
CA Waste Code: 135 - Unspecified aqueous solution
Disposal Method: R01 - Recycler
Tons: 6.3

Year: 2001
Gepaid: CAD008392052
TSD EPA ID: CAT080013352
CA Waste Code: 135 - Unspecified aqueous solution
Disposal Method: R01 - Recycler
Tons: 10.08

Year: 1998
Gepaid: CAD008392052
TSD EPA ID: CAT080013352
CA Waste Code: 135 - Unspecified aqueous solution
Disposal Method: R01 - Recycler
Tons: 8.4

Year: 1998
Gepaid: CAD008392052
TSD EPA ID: CAD008252405
CA Waste Code: 214 - Unspecified solvent mixture
Disposal Method: R01 - Recycler
Tons: 0.0576

Year: 1997
Gepaid: CAD008392052
TSD EPA ID: CAD008252405
CA Waste Code: 214 - Unspecified solvent mixture
Disposal Method: R01 - Recycler
Tons: 0.1152

Year: 1994
Gepaid: CAD008392052
TSD EPA ID: CAD008252405
CA Waste Code: 214 - Unspecified solvent mixture
Disposal Method: R01 - Recycler
Tons: 0.1152

Year: 1993
Gepaid: CAD008392052
TSD EPA ID: CAT080033681
CA Waste Code: 135 - Unspecified aqueous solution
Disposal Method: R01 - Recycler
Tons: 5.04

NIKLOR CHEMICAL CO., INC. (Continued) **1000290751**

Click this hyperlink while viewing on your computer to access
11 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year:	2005
Gen EPA ID:	CAD008392052
Shipment Date:	20050929
Creation Date:	6/22/2006 18:31:22
Receipt Date:	20050929
Manifest ID:	24746867
Trans EPA ID:	CAD000165175
Trans Name:	BELSHIRE ENVIRONMENTAL SVS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	CLEAN HARBORS BUTTONWILLOW LLC
TSDF Alt EPA ID:	CAD980675276
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D007
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	5.8996
Waste Quantity:	7
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050927
Creation Date:	3/12/2006 18:31:42
Receipt Date:	20051012
Manifest ID:	24746815
Trans EPA ID:	CAD000165175
Trans Name:	BELSHIRE ENVIRONMENTAL SVS
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS
TSDF EPA ID:	UTD981552177
Trans Name:	CLEAN HARBORS ARAGONITE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	T03 - Treatment, Incineration
Quantity Tons:	0.165
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050927

NIKLOR CHEMICAL CO., INC. (Continued) **1000290751**

Creation Date:	3/12/2006 18:31:42
Receipt Date:	20051012
Manifest ID:	24746815
Trans EPA ID:	CAD000165175
Trans Name:	BELSHIRE ENVIRONMENTAL SVS
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS
TSDF EPA ID:	UTD981552177
Trans Name:	CLEAN HARBORS ARAGONITE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	T03 - Treatment, Incineration
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2002
Gen EPA ID:	CAD008392052
Shipment Date:	20021202
Creation Date:	4/1/2003 18:31:07
Receipt Date:	20021202
Manifest ID:	22029021
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	6.3
Waste Quantity:	1500
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2001
Gen EPA ID:	CAD008392052
Shipment Date:	20010223

NIKLOR CHEMICAL CO., INC. (Continued) **1000290751**

Creation Date:	5/16/2001 0:00:00
Receipt Date:	20010223
Manifest ID:	20786735
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	10.08
Waste Quantity:	2400
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1998
Gen EPA ID:	CAD008392052
Shipment Date:	19980520
Creation Date:	8/3/1998 0:00:00
Receipt Date:	19980520
Manifest ID:	98253686
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.0576
Waste Quantity:	16
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980330
Creation Date:	6/16/1998 0:00:00
Receipt Date:	19980330
Manifest ID:	96836373
Trans EPA ID:	CAD028277036
Trans Name:	Not reported

NIKLOR CHEMICAL CO., INC. (Continued) **1000290751**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	8.4
Waste Quantity:	2000
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1997
Gen EPA ID:	CAD008392052
Shipment Date:	19971210
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19971210
Manifest ID:	96561394
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.1152
Waste Quantity:	32
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1994
Gen EPA ID:	CAD008392052
Shipment Date:	19940809
Creation Date:	3/26/1996 0:00:00
Receipt Date:	19940809
Manifest ID:	93345943
Trans EPA ID:	CAD008252405
Trans Name:	Not reported

NIKLOR CHEMICAL CO., INC. (Continued) **1000290751**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.0576
Waste Quantity:	16
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19940607
Creation Date:	3/26/1996 0:00:00
Receipt Date:	19940607
Manifest ID:	92606699
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.0576
Waste Quantity:	16
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1993
Gen EPA ID:	CAD008392052

Shipment Date:	19931210
Creation Date:	9/14/1995 0:00:00
Receipt Date:	19931216
Manifest ID:	93372833
Trans EPA ID:	CAD000083121
Trans Name:	Not reported
Trans 2 EPA ID:	OHD009865825
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD049318009
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported

NIKLOR CHEMICAL CO., INC. (Continued) **1000290751**

TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.175
Waste Quantity:	350
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930804
Creation Date:	9/12/1995 0:00:00
Receipt Date:	19930806
Manifest ID:	89462636
Trans EPA ID:	CAT080011059
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080011059
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080011059
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.231
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930205
Creation Date:	9/6/1995 0:00:00
Receipt Date:	19930205
Manifest ID:	89529561
Trans EPA ID:	CAT080016116
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	D002
Meth Code:	R01 - Recycler
Quantity Tons:	5.04
Waste Quantity:	1200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported

NIKLOR CHEMICAL CO., INC. (Continued) **1000290751**

Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

CERS:
Name: NIKLOR CHEMICAL CO I
Address: 2060 E 220TH ST
City,State,Zip: LONG BEACH, CA 908100000
Site ID: 608908
CERS ID: 80001581
CERS Description: Corrective Action

Affiliation:
Affiliation Type Desc: Supervisor
Entity Name: * Unknown
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Name: NIKLOR CHEMICAL CO INC
Address: 2060 E 220TH ST
City,State,Zip: LONG BEACH, CA 908100000
Site ID: 608909
CERS ID: CAD008392052
CERS Description: Hazardous Waste

Affiliation:
Affiliation Type Desc: Facility Contact
Entity Name: STEPHEN N WILHELM
Entity Title: Not reported
Affiliation Address: 1667 PURDY RD
Affiliation City: MOJAVE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 93501
Affiliation Phone: 6618242494,

Affiliation Type Desc: Facility Owner
Entity Name: NIKLOR CHEMICAL CO INC
Entity Title: Not reported
Affiliation Address: 1667 PURDY RD
Affiliation City: MOJAVE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 935017403
Affiliation Phone: 6618242494,

HWTS:
Name: NIKLOR CHEMICAL CO INC
Address: 2060 E 220TH ST
Address 2: Not reported

NIKLOR CHEMICAL CO., INC. (Continued) **1000290751**

City,State,Zip:	LONG BEACH, CA 90810
EPA ID:	CAD008392052
Inactive Date:	06/30/2016
Create Date:	07/23/1982
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	1667 PURDY RD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	MOJAVE, CA 935017403
Owner Name:	NIKLOR CHEMICAL CO INC
Owner Address:	1667 PURDY RD
Owner Address 2:	Not reported
Owner City,State,Zip:	MOJAVE, CA 935017403
Contact Name:	STEPHEN N WILHELM
Contact Address:	1667 PURDY RD
Contact Address 2:	Not reported
City,State,Zip:	MOJAVE, CA 93501
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	FEDERAL
Latitude:	33.827918
Longitude:	-118.237242

NAICS:

EPA ID:	CAD008392052
Create Date:	2002-03-14 16:36:26.000
NAICS Code:	32532
NAICS Description:	Pesticide and Other Agricultural Chemical Manufacturing
Issued EPA ID Date:	1982-07-23 00:00:00
Inactive Date:	2016-06-30 00:00:00
Facility Name:	NIKLOR CHEMICAL CO INC
Facility Address:	2060 E 220TH ST
Facility Address 2:	Not reported
Facility City:	LONG BEACH
Facility County:	Not reported
Facility State:	CA
Facility Zip:	908100000

Z113 **PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT** **CORRACTS** **1000904828**
WSW **1520 E SEPULVEDA BLVD** **RCRA-TSDF** **90745NCLCR1520E**
1/2-1 **CARSON, CA 90745** **RCRA-LQG**
0.926 mi. **UST**
4889 ft. **Site 1 of 3 in cluster Z** **SWEEPS UST**
CA FID UST
Relative: **CHMIRS**
Higher **US FIN ASSUR**
2020 COR ACTION
Actual: **TRIS**
39 ft. **EMI**
LOS ANGELES CO. HMS

CORRACTS:

Name:	PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Address:	1520 E SEPULVEDA BLVD
Address 2:	Not reported
EPA ID:	CAD980881676
Area Name:	GROUND WATER

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Corrective Action: INVESTIGATION WORKPLAN APPROVED
Actual Date: 19940901
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Address: 1520 E SEPULVEDA BLVD
Address 2: Not reported
EPA ID: CAD980881676
Area Name: GROUND WATER
Corrective Action: INVESTIGATION COMPLETE
Actual Date: 19940901
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Address: 1520 E SEPULVEDA BLVD
Address 2: Not reported
EPA ID: CAD980881676
Area Name: ENTIRE FACILITY
Corrective Action: RFA COMPLETED
Actual Date: 19920624
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Address: 1520 E SEPULVEDA BLVD
Address 2: Not reported
EPA ID: CAD980881676
Area Name: ENTIRE FACILITY
Corrective Action: DETERMINATION OF NEED FOR AN INVESTIGATION-INVESTIGATION IS NECESSARY
Actual Date: 19920624
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Address: 1520 E SEPULVEDA BLVD
Address 2: Not reported
EPA ID: CAD980881676
Area Name: GROUND WATER
Corrective Action: STABILIZATION/INTERIM MEASURES DECISION-GROUNDWATER EXTRACTION and TREATMENT
Actual Date: 19880930
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Address: 1520 E SEPULVEDA BLVD
Address 2: Not reported
EPA ID: CAD980881676
Area Name: ENTIRE FACILITY
Corrective Action: STABILIZATION MEASURES EVALUATION-FURTHER INVESTIGATION NECESSARY
Actual Date: 19941003
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Address: 1520 E SEPULVEDA BLVD
Address 2: Not reported
EPA ID: CAD980881676
Area Name: ENTIRE FACILITY
Corrective Action: HUMAN EXPOSURES CONTROLLED DETERMINATION-FACILITY DOES NOT MEET DEFINITION
Actual Date: 20010309
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Address: 1520 E SEPULVEDA BLVD
Address 2: Not reported
EPA ID: CAD980881676
Area Name: ENTIRE FACILITY
Corrective Action: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Actual Date: 20020927
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Address: 1520 E SEPULVEDA BLVD
Address 2: Not reported
EPA ID: CAD980881676
Area Name: ENTIRE FACILITY
Corrective Action: RELEASE TO GW CONTROLLED DETERMINATION-FACILITY DOES NOT MEET DEFINITION
Actual Date: 20010309
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Address: 1520 E SEPULVEDA BLVD
Address 2: Not reported
EPA ID: CAD980881676
Area Name: ENTIRE FACILITY
Corrective Action: RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Actual Date: 20200929

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Click this hyperlink while viewing on your computer to access additional CORRACTS: detail in the EDR Site Report.

RCRA TSDF:

Treatment Storage and Disposal Type:	Land Disposal, Storage
Full Enforcement Universe:	Land Disposal
Corrective Action Workload Universe:	Yes
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Land Disposal, Storage
Post-Closure Workload Universe:	Land Disposal
Closure Workload Universe:	Not reported
Operating TSDF Universe:	Not reported
Commercial TSD Indicator:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Land Disposal
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	Yes
TSDFs Only Subject to CA under Discretionary Auth Universe:	No

Biennial: List of Years
Year: 2021

Click Here for Biennial Reporting System Data:
Year: 2019

Click Here for Biennial Reporting System Data:
Year: 2017

Click Here for Biennial Reporting System Data:
Year: 2015

Click Here for Biennial Reporting System Data:
Year: 2013

Click Here for Biennial Reporting System Data:
Year: 2011

Click Here for Biennial Reporting System Data:
Year: 2009

Click Here for Biennial Reporting System Data:
Year: 2007

Click Here for Biennial Reporting System Data:
Year: 2005

Click Here for Biennial Reporting System Data:
Year: 2003

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Click Here for Biennial Reporting System Data:
Year: 2001

Click Here for Biennial Reporting System Data:

RCRA Listings:

Date Form Received by Agency:	20220228
Handler Name:	Phillips 66 Co Los Angeles Refinery Carson Plant
Handler Address:	1520 E SEPULVEDA BLVD
Handler City,State,Zip:	CARSON, CA 90745-0000
EPA ID:	CAD980881676
Contact Name:	MICHAEL D BECHTOL
Contact Address:	W ANAHEIM STEET
Contact City,State,Zip:	WILMINGTON, CA 90744
Contact Telephone:	310-952-6132
Contact Fax:	Not reported
Contact Email:	MIKE.D.BECHTOL@P66.COM
Contact Title:	MANAGER, ENVIRONMENTAL
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	2021
Accessibility:	Not reported
Active Site Indicator:	Handler Activities, Permitting Activities, Corrective Action Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	W ANAHEIM STREET
Mailing City,State,Zip:	WILMINGTON, CA 90744
Owner Name:	Phillips 66 Company
Owner Type:	Private
Operator Name:	Phillips 66 Company
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	Yes
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Accomplished
202 GPRA Corrective Action Baseline:	Yes
Subject to Corrective Action Universe:	Yes
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	Yes
Groundwater Controls Indicator:	Yes
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Post-Closure Care
Handler Date of Last Change:	20220613
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2021

Click Here for Biennial Reporting System Data:
Year: 2019

Click Here for Biennial Reporting System Data:
Year: 2017

Click Here for Biennial Reporting System Data:
Year: 2015

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Year: 2007

Click Here for Biennial Reporting System Data:
Year: 2005

Click Here for Biennial Reporting System Data:
Year: 2003

Click Here for Biennial Reporting System Data:
Year: 2001

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D001

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Waste Description: IGNITABLE WASTE

Waste Code: D002
Waste Description: CORROSIVE WASTE

Waste Code: D003
Waste Description: REACTIVE WASTE

Waste Code: D004
Waste Description: ARSENIC

Waste Code: D006
Waste Description: CADMIUM

Waste Code: D007
Waste Description: CHROMIUM

Waste Code: D008
Waste Description: LEAD

Waste Code: D009
Waste Description: MERCURY

Waste Code: D010
Waste Description: SELENIUM

Waste Code: D018
Waste Description: BENZENE

Waste Code: D035
Waste Description: METHYL ETHYL KETONE

Waste Code: F003
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F005
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F037
Waste Description: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE, BUT ARE NOT LIMITED TO, THOSE GENERATED IN OIL/WATER/SOLIDS SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORM WATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGES GENERATED IN STORM WATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.

Waste Code: F038
Waste Description: PETROLEUM REFINERY SECONDARY (EMULSIFIED) OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE AND/OR FLOAT GENERATED FROM THE PHYSICAL AND/OR CHEMICAL SEPARATION OF OIL/WATER/SOLIDS IN PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH WASTES INCLUDE, BUT ARE NOT LIMITED TO, ALL SLUDGES AND FLOATS GENERATED IN INDUCED AIR FLOTATION (IAF) UNITS, TANKS AND IMPOUNDMENTS, AND ALL SLUDGES GENERATED IN DAF UNITS. SLUDGES GENERATED IN STORMWATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND F037, K048, AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.

Waste Code: K048
Waste Description: DISSOLVED AIR FLOTATION (DAF) FLOAT FROM THE PETROLEUM REFINING INDUSTRY.

Waste Code: K049
Waste Description: SLOP OIL EMULSION SOLIDS FROM THE PETROLEUM REFINING INDUSTRY.

Waste Code: K050
Waste Description: HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

Waste Code: K051
Waste Description: API SEPARATOR SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

Waste Code: K169
Waste Description: K169

Waste Code: K170
Waste Description: K170

Waste Code: K171
Waste Description: K171

Waste Code: K172
Waste Description: K172

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: CONOCOPHILLIPS COMPANY
Legal Status: Private
Date Became Current: 20030101

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: PHILLIPS 66 COMPANY	
Legal Status:	Private
Date Became Current:	20120501
Date Ended Current:	Not reported
Owner/Operator Address:	1660 W ANAHEIM STREET
Owner/Operator City,State,Zip:	WILMINGTON, CA 90744
Owner/Operator Telephone:	310-952-6200
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: PHILLIPS 66 COMPANY	
Legal Status:	Private
Date Became Current:	20120426
Date Ended Current:	Not reported
Owner/Operator Address:	1075 W SAM HOUSTON PARKWAY N SUITE 200
Owner/Operator City,State,Zip:	HOUSTON, TX 77043
Owner/Operator Telephone:	832-765-3010
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	MIKE.D.BECHTOL@P66.COM
Owner/Operator Indicator:	Owner
Owner/Operator Name: PHILLIPS 66 COMPANY	
Legal Status:	Private
Date Became Current:	20120426
Date Ended Current:	Not reported
Owner/Operator Address:	1075 W SAM HOUSTON PARKWAY N SUITE 200
Owner/Operator City,State,Zip:	HOUSTON, TX 77043
Owner/Operator Telephone:	832-765-3010
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	MIKE.D.BECHTOL@P66.COM
Owner/Operator Indicator:	Operator
Owner/Operator Name: PHILLIPS 66 COMPANY	
Legal Status:	Private
Date Became Current:	20120426
Date Ended Current:	Not reported
Owner/Operator Address:	1075 W SAM HOUSTON PARKWAY N SUITE 200
Owner/Operator City,State,Zip:	HOUSTON, TX 77043
Owner/Operator Telephone:	832-765-3010
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	MIKE.D.BECHTOL@P66.COM
Owner/Operator Indicator:	Owner

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Owner/Operator Name: TOSCO REFINING CO
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: AVON REFINERY
Owner/Operator City,State,Zip: MARTINEZ, CA 94553-1487
Owner/Operator Telephone: 510-228-1220
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: PHILLIPS 66 COMPANY
Legal Status: Private
Date Became Current: 20120426
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: CONOCOPHILLIPS COMPANY
Legal Status: Private
Date Became Current: 20030101
Date Ended Current: Not reported
Owner/Operator Address: 600 NORTH DAIRY ASHFORD
Owner/Operator City,State,Zip: HOUSTON, TX 77079
Owner/Operator Telephone: 281-293-1000
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: PHILLIPS 66 COMPANY
Legal Status: Private
Date Became Current: 20120501
Date Ended Current: Not reported
Owner/Operator Address: 1660 W ANAHEIM STREET
Owner/Operator City,State,Zip: WILMINGTON, CA 90744
Owner/Operator Telephone: 310-952-6200
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: CONOCOPHILLIPS COMPANY
Legal Status: Private
Date Became Current: 20030101
Date Ended Current: Not reported
Owner/Operator Address: 600 NORTH DAIRY ASHFORD
Owner/Operator City,State,Zip: HOUSTON, TX 77079
Owner/Operator Telephone: 281-293-1000
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: CONOCOPHILLIPS COMPANY
Legal Status: Private
Date Became Current: 20030101
Date Ended Current: Not reported
Owner/Operator Address: 600 NORTH DAIRY ASHFORD
Owner/Operator City,State,Zip: HOUSTON, TX 77079
Owner/Operator Telephone: 281-293-1000
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: CONOCOPHILLIPS COMPANY
Legal Status: Private
Date Became Current: 20020830
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: PHILLIPS 66 COMPANY
Legal Status: Private
Date Became Current: 20120426
Date Ended Current: Not reported
Owner/Operator Address: 1075 W SAM HOUSTON PARKWAY N SUITE 200
Owner/Operator City,State,Zip: HOUSTON, TX 77043
Owner/Operator Telephone: 832-765-3010
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: MIKE.D.BECHTOL@P66.COM

Owner/Operator Indicator: Operator
Owner/Operator Name: CONOCOPHILLIPS COMPANY
Legal Status: Private
Date Became Current: 20030101
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: TOSCO REFINING CO
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: AVON REFINERY
Owner/Operator City,State,Zip: MARTINEZ, CA 94553-1487

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Owner/Operator Telephone: 510-228-1220
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: PHILLIPS 66 COMPANY
Legal Status: Private
Date Became Current: 20120426
Date Ended Current: Not reported
Owner/Operator Address: 1075 W SAM HOUSTON PARKWAY N SUITE 200
Owner/Operator City,State,Zip: HOUSTON, TX 77043
Owner/Operator Telephone: 832-765-3010
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: MIKE.D.BECHTOL@P66.COM

Owner/Operator Indicator: Owner
Owner/Operator Name: CONOCOPHILLIPS COMPANY
Legal Status: Private
Date Became Current: 20030101
Date Ended Current: Not reported
Owner/Operator Address: 600 NORTH DAIRY ASHFORD
Owner/Operator City,State,Zip: HOUSTON, TX 77252
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: CONOCOPHILLIPS COMPANY
Legal Status: Private
Date Became Current: 20030101
Date Ended Current: Not reported
Owner/Operator Address: 600 NORTH DAIRY ASHFORD
Owner/Operator City,State,Zip: HOUSTON, TX 77252
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: PHILLIPS 66 COMPANY
Legal Status: Private
Date Became Current: 20120501
Date Ended Current: Not reported
Owner/Operator Address: 1660 WEST ANAHEIM STREET
Owner/Operator City,State,Zip: WILMINGTON, CA 90744
Owner/Operator Telephone: 310-952-6000
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: PHILLIPS 66 COMPANY
Legal Status: Private
Date Became Current: 20120426

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Date Ended Current:	Not reported
Owner/Operator Address:	700 PLAZA OFFICE BLDG
Owner/Operator City,State,Zip:	BARTLESVILLE, OK 74004
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: CONOCOPHILLIPS COMPANY	
Legal Status:	Private
Date Became Current:	20030101
Date Ended Current:	Not reported
Owner/Operator Address:	P O BOX 6206
Owner/Operator City,State,Zip:	CARSON, CA 90747
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: PHILLIPS 66 COMPANY	
Legal Status:	Private
Date Became Current:	20120501
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: PHILLIPS 66 COMPANY	
Legal Status:	Private
Date Became Current:	20120426
Date Ended Current:	Not reported
Owner/Operator Address:	1075 W SAM HOUSTON PARKWAY N SUITE 200
Owner/Operator City,State,Zip:	HOUSTON, TX 77043
Owner/Operator Telephone:	832-765-3010
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	MIKE.D.BECHTOL@P66.COM

Owner/Operator Indicator:	Operator
Owner/Operator Name: CONOCOPHILLIPS COMPANY LAR C	
Legal Status:	Private
Date Became Current:	20020830
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Owner/Operator Name: CONOCOPHILLIPS COMPANY
Legal Status: Private
Date Became Current: 20030101
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: CONOCOPHILLIPS COMPANY
Legal Status: Private
Date Became Current: 20030101
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20100615
Handler Name: CONOCOPHILLIPS CO - LARC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20120427
Handler Name: CONOCOPHILLIPS - LOS ANGELES REFINERY CARSON PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20140301
Handler Name: PHILLIPS 66 - LOS ANGELES REFINERY CARSON PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20160226
Handler Name: PHILLIPS 66 - LOS ANGELES REFINERY CARSON PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20180227
Handler Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20200227
Handler Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20220228
Handler Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Receive Date: 19960901
Handler Name: TOSCO LOS ANGELES REFINERY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19970307
Handler Name: TOSCO LOS ANGELES REFINERY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20021125
Handler Name: LOS ANGELES REFINERY CARSON
Federal Waste Generator Description: Large Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20120418
Handler Name: LOS ANGELES REFINERY CARSON PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19940330
Handler Name: UNOCAL LOS ANGELES REFINERY-CARSON PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19960301
Handler Name: 76 PRODUCTS CO LAR CARSON PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19990304
Handler Name: TOSCO LOS ANGELES REFINERY - CARSON
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20001012
Handler Name: TOSCO LOS ANGELES REFINERY - CARSON
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20020308
Handler Name: TOSCO CORPORATION, LAR, CARSON PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20040226
Handler Name: CONOCOPHILLIPS CO. LAR, CARSON PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20060221
Handler Name: CONOCOPHILLIPS CO. LAR, CARSON PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20080215
Handler Name: CONOCOPHILLIPS CO. LAR, CARSON PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 211111
NAICS Description: CRUDE PETROLEUM AND NATURAL GAS EXTRACTION

NAICS Code: 32411
NAICS Description: PETROLEUM REFINERIES

NAICS Code: 324110
NAICS Description: PETROLEUM REFINERIES

Has the Facility Received Notices of Violations:
Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Universal Waste - General

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Date Violation was Determined:	20150505
Actual Return to Compliance Date:	20150508
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	519
Date of Enforcement Action:	20151007
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD IS-Ground-Water Monitoring
Date Violation was Determined:	20020403
Actual Return to Compliance Date:	20041222
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	218
Date of Enforcement Action:	20050928
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Enforcement Type:	SINGLE SITE CA/FO
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	22500
Paid Amount:	Not reported
Final Count:	1
Final Amount:	22500

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: State Statute or Regulation
Date Violation was Determined: 20071219
Actual Return to Compliance Date: 20080130
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 200
Date of Enforcement Action: 20080326
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: LETTER OF INTENT TO INITIATE ENFORCEMENT ACTION
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: State Statute or Regulation
Date Violation was Determined: 20071219
Actual Return to Compliance Date: 20080130
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 200
Date of Enforcement Action: 20080430
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: SINGLE SITE CA/FO
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 2500
Paid Amount: Not reported
Final Count: 1
Final Amount: 2500

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Contingency Plan and Emergency Procedures

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Date Violation was Determined: 20031217
Actual Return to Compliance Date: 20031218
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 200
Date of Enforcement Action: 20031218
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Universal Waste - General
Date Violation was Determined: 20150505
Actual Return to Compliance Date: 20150506
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 519
Date of Enforcement Action: 20151007
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Universal Waste - General

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Date Violation was Determined:	20150505
Actual Return to Compliance Date:	20150506
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	519
Date of Enforcement Action:	20151007
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Date Violation was Determined:	20060320
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Universal Waste - General
Date Violation was Determined:	20150505
Actual Return to Compliance Date:	20150508
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	519
Date of Enforcement Action:	20151007
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD IS-Ground-Water Monitoring
Date Violation was Determined: 20020403
Actual Return to Compliance Date: 20041222
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 504
Date of Enforcement Action: 20040107
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD IS-Preparedness and Prevention

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Date Violation was Determined:	20120620
Actual Return to Compliance Date:	20120914
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	516
Date of Enforcement Action:	20120905
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD IS-Ground-Water Monitoring
Date Violation was Determined: 20020403
Actual Return to Compliance Date: 20040305
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 200
Date of Enforcement Action: 20020524
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	20071219
Actual Return to Compliance Date:	20080130
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	509
Date of Enforcement Action:	20080306
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 20060321
Actual Return to Compliance Date: 20060322
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 507
Date of Enforcement Action: 20060615
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Universal Waste - General

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Date Violation was Determined:	20150505
Actual Return to Compliance Date:	20150506
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	203
Date of Enforcement Action:	20150506
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - Pre-transport
Date Violation was Determined: 20120620
Actual Return to Compliance Date: 20120620
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 201
Date of Enforcement Action: 20120905
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: State Statute or Regulation

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Date Violation was Determined:	20090728
Actual Return to Compliance Date:	20090803
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	200
Date of Enforcement Action:	20090729
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Universal Waste - General
Date Violation was Determined:	20150505
Actual Return to Compliance Date:	20150508
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	203
Date of Enforcement Action:	20150506
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD IS-Ground-Water Monitoring
Date Violation was Determined: 20020403
Actual Return to Compliance Date: 20040305
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 504
Date of Enforcement Action: 20040107
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD IS-Ground-Water Monitoring

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Date Violation was Determined: 20020403
Actual Return to Compliance Date: 20041222
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 200
Date of Enforcement Action: 20020524
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: State Statute or Regulation
Date Violation was Determined: 20090728
Actual Return to Compliance Date: 20090803
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 512
Date of Enforcement Action: 20090924
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Universal Waste - General
Date Violation was Determined: 20150505
Actual Return to Compliance Date: 20150508
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 203
Date of Enforcement Action: 20150506
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Closure/Post-Closure

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Date Violation was Determined: 20151008
Actual Return to Compliance Date: 20151027
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 205
Date of Enforcement Action: 20151008
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Unknown
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD IS-Preparedness and Prevention
Date Violation was Determined: 20120620
Actual Return to Compliance Date: 20120914
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 201
Date of Enforcement Action: 20120905
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Date Violation was Determined:	20150505
Actual Return to Compliance Date:	20150528
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	519
Date of Enforcement Action:	20151007
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19950118
Actual Return to Compliance Date: 19950220
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19950220
Enforcement Identifier: 001
Date of Enforcement Action: 19950118
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Contingency Plan and Emergency Procedures

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Date Violation was Determined:	20031217
Actual Return to Compliance Date:	20031218
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	505
Date of Enforcement Action:	20040220
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Universal Waste - General

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Date Violation was Determined:	20150505
Actual Return to Compliance Date:	20150506
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	203
Date of Enforcement Action:	20150506
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Closure/Post-Closure
Date Violation was Determined:	20151008
Actual Return to Compliance Date:	20151027
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	205
Date of Enforcement Action:	20151008
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Preparedness, Prevention, and Emergency Procedures
Date Violation was Determined: 20220809
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Date Violation was Determined:	20001114
Actual Return to Compliance Date:	20001115
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	502
Date of Enforcement Action:	20010502
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20060321
Actual Return to Compliance Date:	20060322
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	200
Date of Enforcement Action:	20060322
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Closure/Post-Closure
Date Violation was Determined: 20151008
Actual Return to Compliance Date: 20151027
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 521
Date of Enforcement Action: 20151203
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 20001114
Actual Return to Compliance Date: 20001115
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 200
Date of Enforcement Action: 20001115
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19961218
Actual Return to Compliance Date: 19971111
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19970118
Enforcement Identifier: 002
Date of Enforcement Action: 19961218
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Date Violation was Determined: 19941221
Actual Return to Compliance Date: 19941221
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 19950118
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD IS-Ground-Water Monitoring
Date Violation was Determined: 20020403
Actual Return to Compliance Date: 20041222
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 217
Date of Enforcement Action: 20050512
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: LETTER OF INTENT TO INITIATE ENFORCEMENT ACTION
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - Pre-transport

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Date Violation was Determined:	20120620
Actual Return to Compliance Date:	20120620
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	516
Date of Enforcement Action:	20120905
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19950118
Actual Return to Compliance Date:	19950202
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19950220
Enforcement Identifier:	001
Date of Enforcement Action:	19950118
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - General
Date Violation was Determined: 20210427
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 20211103
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: SINGLE SITE CA/FO
Enforcement Responsible Person: JSCHO
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 87276
Final Monetary Amount: 87276
Paid Amount: Not reported
Final Count: 1
Final Amount: 87276

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: State Statute or Regulation
Date Violation was Determined: 20071219
Actual Return to Compliance Date: 20080130
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 200
Date of Enforcement Action: 20080330
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - Manifest

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Date Violation was Determined:	20220809
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Closure/Post-Closure
Date Violation was Determined: 20151008
Actual Return to Compliance Date: 20151027
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 521
Date of Enforcement Action: 20151203
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Date Violation was Determined:	20150505
Actual Return to Compliance Date:	20150528
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	203
Date of Enforcement Action:	20150506
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Universal Waste - General
Date Violation was Determined:	20150505
Actual Return to Compliance Date:	20150506
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	203
Date of Enforcement Action:	20150506
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Universal Waste - General

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Date Violation was Determined:	20150505
Actual Return to Compliance Date:	20150506
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	519
Date of Enforcement Action:	20151007
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:
Evaluation Date: 20150505
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20150508
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20020403
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: OPERATION AND MAINTENANCE INSPECTION
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20041222
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20040514
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20190807

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20210930
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20071219
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20080130
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20041222
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20180606
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20071219
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20080130
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20031217
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20031218
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20150505
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20150506
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20160706
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Former Citation: Not reported

Evaluation Date: 20150505
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20150506
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20090819
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20020123
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20060320
Evaluation Responsible Agency: State Contractor/Grantee
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20150505
Evaluation Responsible Agency: State
Found Violation: Yes

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20150508
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20020403
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	OPERATION AND MAINTENANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20041222
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20120620
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20120914
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20150709
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20020403
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	OPERATION AND MAINTENANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20040305
Scheduled Compliance Date:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19990630
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20071219
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20080130
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20000119
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Evaluation Date:	20071219
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20080130
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20060321
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20060322
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20150505
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20150506
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19941004
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	GROUNDWATER MONITORING EVALUATION
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20120620
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20120620
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20090728
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20090803
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20150505
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20150508
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20020403
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	OPERATION AND MAINTENANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20040305
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20020403
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	OPERATION AND MAINTENANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20041222
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20090728
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20090803
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20150505
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20150508
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20151008
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20151027
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20150824
Evaluation Responsible Agency:	EPA
Found Violation:	Undetermined
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	RSAKO
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20120620
Evaluation Responsible Agency:	State

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20120914
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20150505
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20150528
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20220930
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	CUPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19941221
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19950220
Scheduled Compliance Date:	19950220
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20031217
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20031218

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20180530
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20201008
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20150505
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20150506
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20151008
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20151027
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Evaluation Date:	20220809
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	JSCHO
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20001114
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20001115
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20060321
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20060322
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20151008
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20151027
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20080207
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20001114
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20001115
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19961216
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19971111
Scheduled Compliance Date:	19970118
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19941221
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19941221
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20120814
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20020403
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	OPERATION AND MAINTENANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20041222
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20120620
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20120620
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19941221
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19950202
Scheduled Compliance Date:	19950220
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20210427
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	NON-FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	JSCHO
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20211019
Evaluation Responsible Agency:	State

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20060630
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20071219
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20080130
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20220809
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	JSCHO
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20020403
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20151008
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20151027
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20150505
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20150528
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20150505
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20150506
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19920624
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Evaluation Date:	20150505
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20150506
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20051227
Evaluation Responsible Agency:	EPA Contractor/Grantee
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	KSAVA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

UST:

Name:	CARSON LUBRICANTS PLANT
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
Facility ID:	LACoFA0024438
Permitting Agency:	Los Angeles County Fire Department
CERSID:	10302214
Latitude:	33.804
Longitude:	-118.24361
Owner type:	Not reported
Facility type:	Not reported
Num of inuse ust:	Not reported
Num of closed ust:	Not reported
Num of oos ust:	Not reported
Epa region:	Not reported
Tribal lands:	Not reported
Tank owner name:	Not reported
Tank owner mailing address:	Not reported
Tank owner mailing city:	Not reported
Tank owner mailing zip:	Not reported
Tank owner mailing state:	Not reported
Tank operator name:	Not reported
Tank operator mailing address:	Not reported
Tank operator mailing city:	Not reported
Tank operator mailing zip:	Not reported
Tank operator mailing state:	Not reported
Tankidnumber:	Not reported
Tank status:	Not reported
Tank configuration:	Not reported
Tank closure date:	Not reported
Tank installation date:	Not reported
Tank num of compartments:	Not reported
Tank contents:	Not reported
Tank capacity gallons:	Not reported
Tank type:	Not reported
Tank pc construction:	Not reported
Tank pwpiping construction:	Not reported
Tank piping type:	Not reported
Tank piping construction:	Not reported
Tank sacrificial anode:	Not reported
Tank cp impressed current:	Not reported
Tank cp shutoff:	Not reported
Tank alarms:	Not reported
Tank ball float:	Not reported
Tank spill bucket:	Not reported

SWEEPS UST:

Name:	UNOCAL CARSON PLANT
Address:	1520 E SEPULVEDA BLVD
City:	CARSON
Status:	Active
Comp Number:	16650
Number:	1
Board Of Equalization:	Not reported
Referral Date:	04-03-92
Action Date:	04-03-92

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Created Date:	04-03-92
Owner Tank Id:	0018
SWRCB Tank Id:	19-000-016650-000001
Tank Status:	A
Capacity:	129250
Active Date:	04-03-92
Tank Use:	PETROLEUM
STG:	W
Content:	Not reported
Number Of Tanks:	17

Name:	UNOCAL CARSON PLANT
Address:	1520 E SEPULVEDA BLVD
City:	CARSON
Status:	Active
Comp Number:	16650
Number:	1
Board Of Equalization:	Not reported
Referral Date:	04-03-92
Action Date:	04-03-92
Created Date:	04-03-92
Owner Tank Id:	0021
SWRCB Tank Id:	19-000-016650-000002
Tank Status:	A
Capacity:	4260
Active Date:	04-03-92
Tank Use:	PETROLEUM
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

Name:	UNOCAL CARSON PLANT
Address:	1520 E SEPULVEDA BLVD
City:	CARSON
Status:	Active
Comp Number:	16650
Number:	1
Board Of Equalization:	Not reported
Referral Date:	04-03-92
Action Date:	04-03-92
Created Date:	04-03-92
Owner Tank Id:	0022
SWRCB Tank Id:	19-000-016650-000003
Tank Status:	A
Capacity:	115680
Active Date:	04-03-92
Tank Use:	PETROLEUM
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

Name:	UNOCAL CARSON PLANT
Address:	1520 E SEPULVEDA BLVD
City:	CARSON
Status:	Active
Comp Number:	16650
Number:	1

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Board Of Equalization: Not reported
Referral Date: 04-03-92
Action Date: 04-03-92
Created Date: 04-03-92
Owner Tank Id: 0024
SWRCB Tank Id: 19-000-016650-000004
Tank Status: A
Capacity: 1620
Active Date: 04-03-92
Tank Use: CHEMICAL
STG: P
Content: Not reported
Number Of Tanks: Not reported

Name: UNOCAL CARSON PLANT
Address: 1520 E SEPULVEDA BLVD
City: CARSON
Status: Active
Comp Number: 16650
Number: 1
Board Of Equalization: Not reported
Referral Date: 04-03-92
Action Date: 04-03-92
Created Date: 04-03-92
Owner Tank Id: 0025
SWRCB Tank Id: 19-000-016650-000005
Tank Status: A
Capacity: 1620
Active Date: 04-03-92
Tank Use: PETROLEUM
STG: P
Content: Not reported
Number Of Tanks: Not reported

Name: UNOCAL CARSON PLANT
Address: 1520 E SEPULVEDA BLVD
City: CARSON
Status: Active
Comp Number: 16650
Number: 1
Board Of Equalization: Not reported
Referral Date: 04-03-92
Action Date: 04-03-92
Created Date: 04-03-92
Owner Tank Id: 0026
SWRCB Tank Id: 19-000-016650-000006
Tank Status: A
Capacity: 1500
Active Date: 04-03-92
Tank Use: CHEMICAL
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: UNOCAL CARSON PLANT
Address: 1520 E SEPULVEDA BLVD
City: CARSON

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Status:	Active
Comp Number:	16650
Number:	1
Board Of Equalization:	Not reported
Referral Date:	04-03-92
Action Date:	04-03-92
Created Date:	04-03-92
Owner Tank Id:	0027
SWRCB Tank Id:	19-000-016650-000007
Tank Status:	A
Capacity:	1500
Active Date:	04-03-92
Tank Use:	CHEMICAL
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

Name:	UNOCAL CARSON PLANT
Address:	1520 E SEPULVEDA BLVD
City:	CARSON
Status:	Active
Comp Number:	16650
Number:	1
Board Of Equalization:	Not reported
Referral Date:	04-03-92
Action Date:	04-03-92
Created Date:	04-03-92
Owner Tank Id:	0028
SWRCB Tank Id:	19-000-016650-000008
Tank Status:	A
Capacity:	1500
Active Date:	04-03-92
Tank Use:	CHEMICAL
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

Name:	UNOCAL CARSON PLANT
Address:	1520 E SEPULVEDA BLVD
City:	CARSON
Status:	Active
Comp Number:	16650
Number:	1
Board Of Equalization:	Not reported
Referral Date:	04-03-92
Action Date:	04-03-92
Created Date:	04-03-92
Owner Tank Id:	0036
SWRCB Tank Id:	19-000-016650-000009
Tank Status:	A
Capacity:	14580
Active Date:	04-03-92
Tank Use:	PETROLEUM
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Name:	UNOCAL CARSON PLANT
Address:	1520 E SEPULVEDA BLVD
City:	CARSON
Status:	Active
Comp Number:	16650
Number:	1
Board Of Equalization:	Not reported
Referral Date:	04-03-92
Action Date:	04-03-92
Created Date:	04-03-92
Owner Tank Id:	0037
SWRCB Tank Id:	19-000-016650-000010
Tank Status:	A
Capacity:	185000
Active Date:	04-03-92
Tank Use:	PETROLEUM
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

Name:	UNOCAL CARSON PLANT
Address:	1520 E SEPULVEDA BLVD
City:	CARSON
Status:	Active
Comp Number:	16650
Number:	1
Board Of Equalization:	Not reported
Referral Date:	04-03-92
Action Date:	04-03-92
Created Date:	04-03-92
Owner Tank Id:	0061
SWRCB Tank Id:	19-000-016650-000011
Tank Status:	A
Capacity:	6000
Active Date:	04-03-92
Tank Use:	PETROLEUM
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

Name:	UNOCAL CARSON PLANT
Address:	1520 E SEPULVEDA BLVD
City:	CARSON
Status:	Active
Comp Number:	16650
Number:	1
Board Of Equalization:	Not reported
Referral Date:	04-03-92
Action Date:	04-03-92
Created Date:	04-03-92
Owner Tank Id:	0064
SWRCB Tank Id:	19-000-016650-000012
Tank Status:	A
Capacity:	18400
Active Date:	04-03-92
Tank Use:	OIL
STG:	P

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Content: Not reported
Number Of Tanks: Not reported

Name: UNOCAL CARSON PLANT
Address: 1520 E SEPULVEDA BLVD
City: CARSON
Status: Active
Comp Number: 16650
Number: 1
Board Of Equalization: Not reported
Referral Date: 04-03-92
Action Date: 04-03-92
Created Date: 04-03-92
Owner Tank Id: 0075
SWRCB Tank Id: 19-000-016650-000013
Tank Status: A
Capacity: 2750
Active Date: 04-03-92
Tank Use: OIL
STG: P
Content: Not reported
Number Of Tanks: Not reported

Name: UNOCAL CARSON PLANT
Address: 1520 E SEPULVEDA BLVD
City: CARSON
Status: Active
Comp Number: 16650
Number: 1
Board Of Equalization: Not reported
Referral Date: 04-03-92
Action Date: 04-03-92
Created Date: 04-03-92
Owner Tank Id: WPL-1
SWRCB Tank Id: 19-000-016650-000014
Tank Status: A
Capacity: 2000
Active Date: 04-03-92
Tank Use: PETROLEUM
STG: P
Content: Not reported
Number Of Tanks: Not reported

Name: UNOCAL CARSON PLANT
Address: 1520 E SEPULVEDA BLVD
City: CARSON
Status: Active
Comp Number: 16650
Number: 1
Board Of Equalization: Not reported
Referral Date: 04-03-92
Action Date: 04-03-92
Created Date: 04-03-92
Owner Tank Id: WPL-8
SWRCB Tank Id: 19-000-016650-000015
Tank Status: A
Capacity: 971

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Active Date:	04-03-92
Tank Use:	OIL
STG:	P
Content:	Not reported
Number Of Tanks:	Not reported

Name:	UNOCAL CARSON PLANT
Address:	1520 E SEPULVEDA BLVD
City:	CARSON
Status:	Active
Comp Number:	16650
Number:	1
Board Of Equalization:	Not reported
Referral Date:	04-03-92
Action Date:	04-03-92
Created Date:	04-03-92
Owner Tank Id:	0083
SWRCB Tank Id:	19-000-016650-000016
Tank Status:	A
Capacity:	750
Active Date:	04-03-92
Tank Use:	PETROLEUM
STG:	P
Content:	Not reported
Number Of Tanks:	Not reported

Name:	UNOCAL CARSON PLANT
Address:	1520 E SEPULVEDA BLVD
City:	CARSON
Status:	Active
Comp Number:	16650
Number:	1
Board Of Equalization:	Not reported
Referral Date:	04-03-92
Action Date:	04-03-92
Created Date:	04-03-92
Owner Tank Id:	0038/10
SWRCB Tank Id:	19-000-016650-000017
Tank Status:	A
Capacity:	185000
Active Date:	04-03-92
Tank Use:	PETROLEUM
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

CA FID UST:

Facility ID:	19036020
Regulated By:	UTNKA
Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	3105188412
Mail To:	Not reported
Mailing Address:	PO BOX
Mailing Address 2:	Not reported
Mailing City,St,Zip:	CARSON 90745

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

CHMIRS:

Name:	Not reported
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
OES Incident Number:	0-2963
OES notification:	07/03/2000
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	N/A
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2000
Agency:	Tosco Refining Co
Incident Date:	7/1/200012:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Site Type:	Refinery
E Date:	Not reported
Substance:	Nitrogen Dioxide
Gallons:	0.000000
Pounds:	26
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Two boilers at the Carson site have flue gas re-circulation (FGR) fans. Due to a momentary power blip, the FGR's shut down. The boilers kept running but the FGR fans shut down.

Name:	Not reported
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
OES Incident Number:	12-0011
OES notification:	01/02/2012
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Refinery
Cleanup By:	N/A
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Lbs.
Other:	Not reported
Date/Time:	852
Year:	2012
Agency:	Conoco Phillips
Incident Date:	1/2/2012
Admin Agency:	LACoFD Health Haz-Mat
Amount:	Not reported
Contained:	No
Site Type:	Not reported
E Date:	Not reported
Substance:	Sulfur Dioxide, SO2
Quantity Released:	500
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	During a planned flaring event the release occurred, material combusted and vented directly into the atmosphere, release is still occurring and no clean up needed.

Name:	Not reported
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA
OES Incident Number:	2-6441
OES notification:	11/25/2002
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	N/A
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2002
Agency:	Conocophillips Co
Incident Date:	11/25/200212:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Refinery
E Date:	Not reported
Substance:	SO2
Gallons:	0.000000
Pounds:	500
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Per caller, an upset of a refinery caused the release.

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Name:	Not reported
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
OES Incident Number:	802
OES notification:	Not reported
OES Date:	4/18/1994
OES Time:	04:05:46 PM
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	YES
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	refinery maintenance crew
Containment:	Not reported
What Happened:	Not reported
Type:	PETROLEUM
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1994
Agency:	unocal
Incident Date:	18/1600 apr 94
Admin Agency:	Not reported
Amount:	1bbl
Contained:	NO
Site Type:	REF PL
E Date:	Not reported
Substance:	light coker gas oil
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	NO
Number of Injuries:	NO
Number of Fatalities:	NO

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	pipeline blocked shut , over pressured and caused valve to leak, due to warm weather
Name:	Not reported
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
OES Incident Number:	0-3869
OES notification:	08/28/2000
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	none
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2000
Agency:	Tosco Refinery

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Incident Date:	8/28/200012:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	No
Site Type:	Refinery
E Date:	Not reported
Substance:	Nitrogen Oxide
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Having excess flaring, possibly from power outage. Still investigating

Name:	Not reported
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
OES Incident Number:	1-2372
OES notification:	04/23/2001
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2001
Agency:	Tosco
Incident Date:	4/23/200112:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Unknown
Site Type:	Refinery
E Date:	Not reported
Substance:	Fire
Unknown:	0.000000
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	A raw gas compressor at the cocker unit caught on fire. The fire has spread to other parts of the refinery. Actual cause still under investigation.

Name:	Not reported
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
OES Incident Number:	0-3531
OES notification:	08/07/2000
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	none
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2000
Agency:	Tosco Refining
Incident Date:	8/7/200012:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	No
Site Type:	Refinery
E Date:	Not reported
Substance:	Hydrogen Sulfide
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Being release from one of the East Flare starting at 0700. Having hard keeping flare lit. Currently the flare is lit, still trouble shooting this issue.

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Name:	Not reported
Address:	1520 E. SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
OES Incident Number:	16-4991
OES notification:	08/16/2016
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	n/a
Spill Site:	Refinery
Cleanup By:	Unrecoverable
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	VAPOR
Measure:	Lbs.
Other:	Not reported
Date/Time:	1000
Year:	2016
Agency:	Phillips 66 Carson
Incident Date:	Not reported
Admin Agency:	LACoFD Health Haz-Mat
Amount:	Not reported
Contained:	Yes
Site Type:	n/a
E Date:	Not reported
Substance:	Sulfer Dioxide
Quantity Released:	500
Unknown:	Not reported
Substance #2:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	RP states: Sulfer Dioxide being combusted at flares, more than 500lbs has been released to the atmosphere. Reason for flare is under investigation. Release is contained and no longer releasing as of approximately 1040 hours. No waterways impacted. Rel

US FIN ASSUR:

Name:	PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA
EPA ID:	CAD980881676
County:	Not reported
Mechanism type:	C
Mechanism Type Description:	CORPORATE GUARANTEE
Cost estimate:	2200000
Face value:	11260881.75
Effective date:	2017-03-23 00:00:00
Provider:	PHILLIPS 66
EPA region:	9

Name:	PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA
EPA ID:	CAD980881676
County:	Not reported
Mechanism type:	C
Mechanism Type Description:	CORPORATE GUARANTEE
Cost estimate:	6000000
Face value:	6000000
Effective date:	2015-03-24 00:00:00
Provider:	PHILLIPS 66
EPA region:	9

Name:	PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA
EPA ID:	CAD980881676
County:	Not reported
Mechanism type:	F
Mechanism Type Description:	FINANCIAL TEST
Cost estimate:	607000
Face value:	1928270

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Effective date:	2008-03-24 00:00:00
Provider:	CONOCO-PHILLIPS
EPA region:	9
Name:	PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA
EPA ID:	CAD980881676
County:	Not reported
Mechanism type:	C
Mechanism Type Description:	CORPORATE GUARANTEE
Cost estimate:	1928270
Face value:	621516.81
Effective date:	2011-03-22 00:00:00
Provider:	CONOCO PHILLIPS
EPA region:	9
Name:	PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA
EPA ID:	CAD980881676
County:	Not reported
Mechanism type:	C
Mechanism Type Description:	CORPORATE GUARANTEE
Cost estimate:	8000000
Face value:	11319610.23
Effective date:	2018-03-23 00:00:00
Provider:	PHILLIPS 66
EPA region:	9
Name:	PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA
EPA ID:	CAD980881676
County:	Not reported
Mechanism type:	C
Mechanism Type Description:	CORPORATE GUARANTEE
Cost estimate:	2258630
Face value:	11319610.23
Effective date:	2018-03-23 00:00:00
Provider:	PHILLIPS 66
EPA region:	9
Name:	PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA
EPA ID:	CAD980881676
County:	Not reported
Mechanism type:	C
Mechanism Type Description:	CORPORATE GUARANTEE
Cost estimate:	2000000
Face value:	2000000
Effective date:	2015-03-24 00:00:00
Provider:	PHILLIPS 66
EPA region:	9

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

2020 COR ACTION:
EPA ID: CAD980881676
Region: 9
Action: Not reported

Facility, Chemical, Releases and Other Waste Management Summary Information:

TRI ID:	90745NCLCR1520E
Form Type:	Form R
Reporting year:	2021
Trade secret indicator:	NO
Sanitized indicator:	NO
Title of certifying official:	DIRECTOR, ENVIRONMENTAL SERVICES MARSHALL WALLER
Certifying officials signature indicator:	ELECTRONIC
Date signed:	2022-06-29
Name:	PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
BIA code:	Not reported
Tribe name:	Not reported
Mailing name:	PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT
Mailing street:	1520 E SEPULVEDA BLVD
Mailing province:	Not reported
Mailing City,State,Zip:	CARSON, CA 90745
Entire facility ind:	YES
Partial facility ind:	NO
Federal facility ind:	NO
Goco facility ind:	NO
Assigned fed facility flag:	NO
Public contact name:	KENNETH DAMI
Public contact phone and Ext:	3109526028
Public contact email:	KENNETH.G.DAMI@P66.COM
Primary sic code:	Not reported
Sic code 2:	Not reported
Sic code 3:	Not reported
Sic code 4:	Not reported
Sic code 5:	Not reported
Sic code 6:	Not reported
Naics origin:	Not reported
Primary naics code:	324110
Naics code 2:	Not reported
Naics code 3:	Not reported
Naics code 4:	Not reported
Naics code 5:	Not reported
Naics code 6:	Not reported
Latitude:	33.8048
Longitude:	-118.2431
D and B number A:	941874562
D and B number B:	Not reported
RCRA number A:	CAR000215210
RCRA number B:	CAD983658220
RCRA number C:	CAD980881676
RCRA number D:	Not reported
RCRA number E:	Not reported
RCRA number F:	Not reported
RCRA number G:	Not reported
RCRA number H:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

NPDES number A:	CA0063185
NPDES number B:	Not reported
NPDES number C:	Not reported
NPDES number D:	Not reported
NPDES number E:	Not reported
NPDES number F:	Not reported
NPDES number G:	Not reported
Parent company name:	PHILLIPS 66 CO
Parent company D and B number:	078378508
Standardized parent company name:	PHILLIPS 66 CO
Document control number:	1321220212082
TRI ID:	90745NCLCR1520E
Cas number:	N458
Chemical name:	Mercury compounds
Classification:	PBT
Unit of measure:	Pounds
Metal ind:	YES
Revision code 1:	Not reported
Revision code 2:	Not reported
Maximum amount on site:	01
Fugitive air emissions - total release pounds:	0
Fugitive air emissions - total release range code:	Not reported
Total fugitive air emissions:	0
Fugitive air emissions - basis of estimate:	Published Emission Factors
Stack air emissions - release pounds:	3
Stack air emissions - release range code:	Not reported
Total stack air emissions:	3
Stack air emissions - basis of estimate:	Periodic/Random Monotoning Data
Total air emissions:	3
Discharges to stream a - stream name:	NA
Total discharges to stream a:	0
Discharges to stream a - basis of estimate:	Not reported
Discharges to stream a - % from stormwater:	Not reported
Discharges to stream b - stream name:	Not reported
Total discharges to stream b:	Not reported
Discharges to stream b - basis of estimate:	Not reported
Discharges to stream b - % from stormwater:	Not reported
Discharges to stream c - stream name:	Not reported
Total discharges to stream c:	Not reported
Discharges to stream c - basis of estimate:	Not reported
Discharges to stream c - % from stormwater:	Not reported
Discharges to stream d - stream name:	Not reported
Total discharges to stream d:	Not reported
Discharges to stream d - basis of estimate:	Not reported
Discharges to stream d - % from stormwater:	Not reported
Discharges to stream e - stream name:	Not reported
Total discharges to stream e:	Not reported
Discharges to stream e - basis of estimate:	Not reported
Discharges to stream e - % from stormwater:	Not reported
Discharges to stream f - stream name:	Not reported
Total discharges to stream f:	Not reported
Discharges to stream f - basis of estimate:	Not reported
Discharges to stream f - % from stormwater:	Not reported
Discharges to stream g - stream name:	Not reported
Total discharges to stream g:	Not reported
Discharges to stream g - basis of estimate:	Not reported
Discharges to stream g - % from stormwater:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Total number of receiving streams:	0
Total surface water discharge:	0
Total on-site underground inj - pounds:	Not reported
On-site underground inj - basis of estimate:	Not reported
Total on-site ugrnd inj to cl i wells - pounds:	0
On-site underground inj to c1 i wells - basis of estimate:	Not reported
Total on-site ugrnd inj to cl ii-v wells - pounds:	0
On-site ungrnd inj to cl ii-v wells - basis of estimate:	Not reported
Total on-site underground injection:	0
Total on-site landfills:	Not reported
On-site landfills - basis of estimate:	Not reported
Total on-site RCRA subtitle c landfills:	0
On-site RCRA subtitle c landfills - basis of estimate:	Not reported
Total other on-site landfills:	0
Other landfills - basis of estimate:	Not reported
Total on-site land treatment:	0
Land trtmt/appl farming - basis of estimate:	Not reported
Total surface impoundments:	Not reported
Surface impoundment - basis of estimate:	Not reported
Total RCRA c surface impoundments:	0
RCRA c Surface impoundment - basis of estimate:	Not reported
Total other surface impoundments:	0
Other surface impoundment - basis of estimate:	Not reported
Total other disposal:	0
Other disposal - basis of estimate:	Other
Total on-site land releases:	0
Total on-site releases:	3
Off-site - POTW releases:	3.8
Off-site - storage only:	0
Off-site - solid/stab - metals:	0
Off-site - wastewater treatment release - metals:	0
Off-site - solid/stab - release - metals:	0
Off-site - wastewater treatment - metals:	0
Off-site - underground injection:	0
Off-site - underground injection - class 1 wells:	0
Off-site - underground injection - class ii-v wells:	0
Off-site - landfills/disposal surface impoundments:	0
Off-site - surface impoundment:	0
Off-site - RCRA subtitle c surface impoundments:	0
Off-site - other surface impoundments:	0
Off-site - other landfills:	0
Off-site - RCRA subtitle c landfills:	0
Off-site - disposal - land treatment:	0
Off-site - disposal - other land disposal:	0
Off-site - disposal - other off-site management:	0
Off-site - disposal - transfer to waste broker:	0
Off-site - disposal - unknown:	0
Total transferred off site for disposal:	3.8
Off-site - recycling - solvents/organics recovery:	0
Off-site - recycling -metals recovery:	0
Off-site - recycling - other reuse or recovery:	0
Off-site - recycling - acid regeneration:	0
Off-site - recycling - transfer to waste broker:	0
Total transferred off site for recycling:	0
Off-site - energy recovery:	0
Off-site - transfer to waste broker for energy recovery:	0
Total transferred off site for energy recovery:	0

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Off-site - POTW treatment:	0
Off-site - solid/stab treatment - non metals:	0
Off-site -incineration/thermal treatment:	0
Off-site - incineration/insignificant heat value:	0
Off-site - wastewater treatment - non-metals:	0
Off-site - other waste treatment:	0
Off-site - transfer to waste broker - waste treatment:	0
Total transferred off site for treatment:	0
Off-site - transfer to waste broker:	0
Total transferred off site for further waste management:	3.8
Total POTW transfer:	3.8
Energy recovery on site current year:	0
Recycled on site current year:	0
Treated on site current year:	0
Total on-site waste management:	0
On-site energy recovery method 1:	Not Applicable
On-site energy recovery method 2:	Not reported
On-site energy recovery method 3:	Not Applicable
On-site energy recovery method 4:	Not reported
On-site recycling processes method 1:	Not Applicable
On-site recycling processes method 2:	Not reported
On-site recycling processes method 3:	Not reported
On-site recycling processes method 4:	Not reported
On-site recycling processes method 5:	Not reported
On-site recycling processes method 6:	Not reported
On-site recycling processes method 7:	Not reported
FRS Facility ID:	110038102969
Elemental Metal Included:	NO
Waste Rock Pile managed Indicator:	0
Waste Rock Quantity:	Not reported
Off Site - POTW Releases 81C:	2.622
Off Site - POTW Releases 81D:	1.178
Assigned Partial Facility Flag:	NO
Case Number:	N458
Mixture Name:	NA
Clean Air Act Ind:	YES
Carcinogen Ind:	NO
PFAS Ind:	NO

Chemical Activities and Uses:

Cas number:	N458
Document control number:	1321220212082
Chemical name:	Mercury compounds
Classification:	PBT
Unit of measure:	Pounds
Produce the chemical:	Yes
Import the chemical:	Yes
On-site use of the chemical:	No
Sale or distribution of the chemical:	No
As a byproduct:	No
As a manufactured impurity:	Yes
Used as a reactant:	No
P101 feedstocks:	No
P102 raw materials:	No
P103 intermediates:	No
P104 initiators:	No
P199 other:	No
Added as a formulation component:	No

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

P201 additives:	No
P202 dyes:	No
P203 reaction diluents:	No
P204 initiators:	No
P205 solvents:	No
P206 inhibitors:	No
P207 emulsifiers:	No
P208 surfactants:	No
P209 lubricants:	No
P210 flame retardants:	No
P211 rheological modifiers:	No
P299 other:	No
Used as an article component:	No
Repackaging:	No
As a process impurity:	Yes
Processed / recycling:	No
Used as a chemical processing aid:	No
Z101 process solvents:	No
Z102 catalysts:	No
Z103 inhibitors:	No
Z104 initiators:	No
Z105 reaction terminators:	No
Z106 solution buffers:	No
Z199 other:	No
Used as a manufacturing aid:	No
Z201 process lubricants:	No
Z202 metalworking fluids:	No
Z203 coolants:	No
Z204 refrigerants:	No
Z205 hydraulic fluids:	No
Z299 other:	No
Ancillary or other use:	No
Z301 cleaner:	No
Z302 degreaser:	No
Z303 lubricant:	No
Z304 fuel:	No
Z305 flame retardant:	No
Z306 waste treatment:	No
Z307 water treatment:	No
Z308 construction materials:	No
Z399 other:	No

Submitted Facility Name:	PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT
Submitted Street:	1520 E SEPULVEDA BLVD
Submitted City:	CARSON
Submitted County:	LOS ANGELES
Submitted State:	CA
Submitted Zip Code:	90745
Submitted BIA Code:	Not reported
Submitted Tribe Name:	Not reported
Submitted Parent Company Name:	PHILLIPS 66 CO
Submitted Parent Company DB Number:	078378508
Submitted Standardized Parent Company Name:	PHILLIPS 66 CO
Submitted Primary NAICS Code:	324110
Submitted Industry Code:	324
Submitted Industry Name:	Petroleum
Industry Code:	324

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Industry Name:	Petroleum
Last year the facility reported:	2021
First year the facility reported:	1991
Number of forms submitted:	24
Total number of forms submitted:	715
Assigned Agency:	Not reported

Detailed On-site Waste Treatment Methods and Efficiency:

Cas number:	N458
Document control number:	1321220212082
Chemical name:	Mercury compounds
Classification:	PBT
Unit of measure:	Pounds
Stream 1 - waste stream code:	NA
Stream 1 - trtmt method - sequence 1:	Not reported
Stream 1 - trtmt method - sequence 2:	Not reported
Stream 1 - trtmt method - sequence 3:	Not reported
Stream 1 - trtmt method - sequence 4:	Not reported
Stream 1 - trtmt method - sequence 5:	Not reported
Stream 1 - trtmt method - sequence 6:	Not reported
Stream 1 - trtmt method - sequence 7:	Not reported
Stream 1 - trtmt method - sequence 8:	Not reported
Stream 1 - based on operating data:	Not reported
Stream 2 - waste stream code:	Not reported
Stream 2 - trtmt method - sequence 1:	Not reported
Stream 2 - trtmt method - sequence 2:	Not reported
Stream 2 - trtmt method - sequence 3:	Not reported
Stream 2 - trtmt method - sequence 4:	Not reported
Stream 2 - trtmt method - sequence 5:	Not reported
Stream 2 - trtmt method - sequence 6:	Not reported
Stream 2 - trtmt method - sequence 7:	Not reported
Stream 2 - trtmt method - sequence 8:	Not reported
Stream 2 - based on operating data:	Not reported
Stream 3 - waste stream code:	Not reported
Stream 3 - trtmt method - sequence 1:	Not reported
Stream 3 - trtmt method - sequence 2:	Not reported
Stream 3 - trtmt method - sequence 3:	Not reported
Stream 3 - trtmt method - sequence 4:	Not reported
Stream 3 - trtmt method - sequence 5:	Not reported
Stream 3 - trtmt method - sequence 6:	Not reported
Stream 3 - trtmt method - sequence 7:	Not reported
Stream 3 - trtmt method - sequence 8:	Not reported
Stream 3 - based on operating data:	Not reported
Stream 4 - waste stream code:	Not reported
Stream 4 - trtmt method - sequence 1:	Not reported
Stream 4 - trtmt method - sequence 2:	Not reported
Stream 4 - trtmt method - sequence 3:	Not reported
Stream 4 - trtmt method - sequence 4:	Not reported
Stream 4 - trtmt method - sequence 5:	Not reported
Stream 4 - trtmt method - sequence 6:	Not reported
Stream 4 - trtmt method - sequence 7:	Not reported
Stream 4 - trtmt method - sequence 8:	Not reported
Stream 4 - based on operating data:	Not reported
Stream 5 - waste stream code:	Not reported
Stream 5 - trtmt method - sequence 1:	Not reported
Stream 5 - trtmt method - sequence 2:	Not reported
Stream 5 - trtmt method - sequence 3:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Stream 5 - trtmt method - sequence 4: Not reported
Stream 5 - trtmt method - sequence 5: Not reported
Stream 5 - trtmt method - sequence 6: Not reported
Stream 5 - trtmt method - sequence 7: Not reported
Stream 5 - trtmt method - sequence 8: Not reported
Stream 5 - based on operating data: Not reported

Details of Off-site Transfers:
Cas number: N458
Document control number: 1321220212082
Chemical name: Mercury compounds
Classification: PBT
Offsite RCRA id nr: UTR000000687
Offsite transfer sequence number: 2
Offsite name: ECDC ENVIRONMENTAL L.C.
Offsite street address: 1111 WEST HIGHWAY 123
Offsite City,State,Zip: EAST CARBON, UT 84520
Offsite county: CARBON
Offsite province: Not reported
Offsite country id: Not reported
Offsite control: NO
Unit of measure: Pounds
Offsite other landfills m64 BOE: Periodic/Random Monotoning Data
Total amount transferred offsite for disposal: 0
Total amount transferred offsite for recycling: 0
Total amount transferred offsite for energy recovery: 0
Total amount transferred offsite for treatment: 0
FRS ID - Transfer Location: 110000911960

Offsite RCRA id nr: NED981723513
Offsite transfer sequence number: 3
Offsite name: CLEAN HARBORS ENVIRONMENTAL SERVICES, INC.
Offsite street address: 2247 S. HWY 71
Offsite City,State,Zip: KIMBALL, NE 69145
Offsite county: KIMBALL
Offsite province: Not reported
Offsite country id: Not reported
Offsite control: NO
Unit of measure: Pounds
Offsite RCRA subtitle c landfillsm65 BOE: Periodic/Random Monotoning Data
Total amount transferred offsite for disposal: 0
Total amount transferred offsite for recycling: 0
Total amount transferred offsite for energy recovery: 0
Total amount transferred offsite for treatment: 0
FRS ID - Transfer Location: 110041638458

Offsite RCRA id nr: UTD991301748
Offsite transfer sequence number: 4
Offsite name: CLEAN HARBORS GRASSY MOUNTAIN
Offsite street address: 3 MILES EAST, 7 MILES NORTH OF KNOLLS EXIT OFF I-80
Offsite City,State,Zip: KNOLLS, UT 84029
Offsite county: TOOELE
Offsite province: Not reported
Offsite country id: Not reported
Offsite control: NO
Unit of measure: Pounds
Offsite RCRA subtitle c landfillsm65 BOE: Periodic/Random Monotoning Data

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Total amount transferred offsite for disposal:	0
Total amount transferred offsite for recycling:	0
Total amount transferred offsite for energy recovery:	0
Total amount transferred offsite for treatment:	0
FRS ID - Transfer Location:	110013709754
Offsite RCRA id nr:	UTD981552177
Offsite transfer sequence number:	5
Offsite name:	CLEAN HARBORS ARAGONITE, LLC
Offsite street address:	11600 N APTUS ROAD
Offsite City,State,Zip:	ARAGONITE, UT 84029
Offsite county:	TOOELE
Offsite province:	Not reported
Offsite country id:	Not reported
Offsite control:	NO
Unit of measure:	Pounds
Offsite other off-site mgmt m90 BOE:	Periodic/Random Monotoning Data
Total amount transferred offsite for disposal:	0
Total amount transferred offsite for recycling:	0
Total amount transferred offsite for energy recovery:	0
Total amount transferred offsite for treatment:	0
FRS ID - Transfer Location:	110000906985
Offsite RCRA id nr:	LAD980622161
Offsite transfer sequence number:	6
Offsite name:	CATALYST RECOVERY OF LA, LLC
Offsite street address:	100 AMERICAN BLVD.
Offsite City,State,Zip:	LAFAYETTE, LA 70508
Offsite county:	LAFAYETTE PARISH
Offsite province:	Not reported
Offsite country id:	Not reported
Offsite control:	NO
Unit of measure:	Pounds
Total amount transferred offsite for disposal:	0
Offsite other reuse or recovery m26 BOE:	Periodic/Random Monotoning Data
Total amount transferred offsite for recycling:	0
Total amount transferred offsite for energy recovery:	0
Total amount transferred offsite for treatment:	0
FRS ID - Transfer Location:	110000613783

Details of Transfers to Publicly Owned Treatment Works:

Cas number:	N458
Document control number:	1321220212082
Chemical name:	Mercury compounds
Classification:	PBT
Unit of measure:	Pounds
POTW name:	JOINT WATER POLLUTION CONTROL PLANT
POTW address:	24501 SOUTH FIGUEROA STREET
POTW City,State,Zip:	CARSON, CA 90745
POTW county:	LOS ANGELES
Quantity transferred:	3.8
Basis of estimate:	Not reported
Discharges to water streams:	0
Discharges to water streams - basis of estimate:	Not reported
Discharges to other activities:	0
Discharges to other activities - basis of estimate:	Not reported
Released to air:	0

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Released to air - basis of estimate:	Not reported
Sludge to disposal:	2.622
Sludge to disposal - basis of estimate:	Published Emission Factors
Sludge to incineration - metals:	0
Sludge to incineration - metals - basis of estimate:	Not reported
Sludge to agricultural applications:	0
Sludge to agricultural applications - basis of estimate:	Not reported
Other or unknown disposal:	1.178
Other or unknown disposal - basis of estimate:	Published Emission Factors
Other or unknown treatment:	0
Other or unknown treatment - basis of estimate:	Not reported
Sludge to incineration - nonmetals:	0
Sludge to incineration - nonmetals - basis of estimate:	Not reported
Total treated:	0
POTW Registry ID:	110000526468
Off Site - POTW Releases 81C:	2.622
Off Site - POTW Releases 81D:	1.178
Off Site - POTW Releases:	3.8
Experimental and Est. Treatment:	0
Experimental and Est. Treatment - Basis of Est.:	Not reported

Additional Information Miscellaneous and Optional:

Cas number:	N458
Document control number:	1321220212082
Chemical name:	Mercury compounds
Classification:	PBT
Comment sequence:	650371
Comment type description:	You have entered a value for a metal and/or a metal compound for Transfers to Publicly Owned Treatment Works (POTWs)
Comment text:	Error Reviewed / No Comment.

TRI ID:	90745NCLCR1520E
Cas number:	0000191242
Chemical name:	Benzo[g,h,i]perylene
Classification:	PBT
Unit of measure:	Pounds
Metal ind:	NO
Revision code 1:	Not reported
Revision code 2:	Not reported
Maximum amount on site:	01
Fugitive air emissions - total release pounds:	0
Fugitive air emissions - total release range code:	Not reported
Total fugitive air emissions:	0
Fugitive air emissions - basis of estimate:	Other
Stack air emissions - release pounds:	1.9
Stack air emissions - release range code:	Not reported
Total stack air emissions:	1.9
Stack air emissions - basis of estimate:	Other
Total air emissions:	1.9
Discharges to stream a - stream name:	NA
Total discharges to stream a:	0
Discharges to stream a - basis of estimate:	Not reported
Discharges to stream a - % from stormwater:	Not reported
Discharges to stream b - stream name:	Not reported
Total discharges to stream b:	Not reported
Discharges to stream b - basis of estimate:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Discharges to stream b - % from stormwater:	Not reported
Discharges to stream c - stream name:	Not reported
Total discharges to stream c:	Not reported
Discharges to stream c - basis of estimate:	Not reported
Discharges to stream c - % from stormwater:	Not reported
Discharges to stream d - stream name:	Not reported
Total discharges to stream d:	Not reported
Discharges to stream d - basis of estimate:	Not reported
Discharges to stream d - % from stormwater:	Not reported
Discharges to stream e - stream name:	Not reported
Total discharges to stream e:	Not reported
Discharges to stream e - basis of estimate:	Not reported
Discharges to stream e - % from stormwater:	Not reported
Discharges to stream f - stream name:	Not reported
Total discharges to stream f:	Not reported
Discharges to stream f - basis of estimate:	Not reported
Discharges to stream f - % from stormwater:	Not reported
Discharges to stream g - stream name:	Not reported
Total discharges to stream g:	Not reported
Discharges to stream g - basis of estimate:	Not reported
Discharges to stream g - % from stormwater:	Not reported
Total number of receiving streams:	0
Total surface water discharge:	0
Total on-site underground inj - pounds:	Not reported
On-site underground inj - basis of estimate:	Not reported
Total on-site ugrnd inj to cl i wells - pounds:	0
On-site underground inj to c1 i wells - basis of estimate:	Not reported
Total on-site ugrnd inj to cl ii-v wells - pounds:	0
On-site ungrnd inj to cl ii-v wells - basis of estimate:	Not reported
Total on-site underground injection:	0
Total on-site landfills:	Not reported
On-site landfills - basis of estimate:	Not reported
Total on-site RCRA subtitle c landfills:	0
On-site RCRA subtitle c landfills - basis of estimate:	Not reported
Total other on-site landfills:	0
Other landfills - basis of estimate:	Not reported
Total on-site land treatment:	0
Land trtmt/appl farming - basis of estimate:	Not reported
Total surface impoundments:	Not reported
Surface impoundment - basis of estimate:	Not reported
Total RCRA c surface impoundments:	0
RCRA c Surface impoundment - basis of estimate:	Not reported
Total other surface impoundments:	0
Other surface impoundment - basis of estimate:	Not reported
Total other disposal:	0
Other disposal - basis of estimate:	Other
Total on-site land releases:	0
Total on-site releases:	1.9
Off-site - POTW releases:	0
Off-site - storage only:	0
Off-site - solid/stab - metals:	0
Off-site - wastewater treatment release - metals:	0
Off-site - solid/stab - release - metals:	0
Off-site - wastewater treatment - metals:	0
Off-site - underground injection:	0
Off-site - underground injection - class 1 wells:	0
Off-site - underground injection - class ii-v wells:	0

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Off-site - landfills/disposal surface impoundments:	0
Off-site - surface impoundment:	0
Off-site - RCRA subtitle c surface impoundments:	0
Off-site - other surface impoundments:	0
Off-site - other landfills:	0
Off-site - RCRA subtitle c landfills:	0
Off-site - disposal - land treatment:	0
Off-site - disposal - other land disposal:	0
Off-site - disposal - other off-site management:	0
Off-site - disposal - transfer to waste broker:	0
Off-site - disposal - unknown:	0
Total transferred off site for disposal:	0
Off-site - recycling - solvents/organics recovery:	0
Off-site - recycling -metals recovery:	0
Off-site - recycling - other reuse or recovery:	0
Off-site - recycling - acid regeneration:	0
Off-site - recycling - transfer to waste broker:	0
Total transferred off site for recycling:	0
Off-site - energy recovery:	0
Off-site - transfer to waste broker for energy recovery:	0
Total transferred off site for energy recovery:	0
Off-site - POTW treatment:	0
Off-site - solid/stab treatment - non metals:	0
Off-site -incineration/thermal treatment:	0
Off-site - incineration/insignificant heat value:	0
Off-site - wastewater treatment - non-metals:	0
Off-site - other waste treatment:	0
Off-site - transfer to waste broker - waste treatment:	0
Total transferred off site for treatment:	0
Off-site - transfer to waste broker:	0
Total transferred off site for further waste management:	0
Total POTW transfer:	0
Energy recovery on site current year:	0
Recycled on site current year:	0
Treated on site current year:	0
Total on-site waste management:	0
On-site energy recovery method 1:	Not Applicable
On-site energy recovery method 2:	Not reported
On-site energy recovery method 3:	Not Applicable
On-site energy recovery method 4:	Not reported
On-site recycling processes method 1:	Not Applicable
On-site recycling processes method 2:	Not reported
On-site recycling processes method 3:	Not reported
On-site recycling processes method 4:	Not reported
On-site recycling processes method 5:	Not reported
On-site recycling processes method 6:	Not reported
On-site recycling processes method 7:	Not reported
FRS Facility ID:	110038102969
Elemental Metal Included:	NO
Waste Rock Pile managed Indicator:	0
Waste Rock Quantity:	Not reported
Off Site - POTW Releases 81C:	0
Off Site - POTW Releases 81D:	0
Assigned Partial Facility Flag:	NO
Case Number:	191-24-2
Mixture Name:	NA
Clean Air Act Ind:	YES

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Carcinogen Ind:	NO
PFAS Ind:	NO
Chemical Activities and Uses:	
Cas number:	0000191242
Document control number:	1321220211953
Chemical name:	Benzo[g,h,i]perylene
Classification:	PBT
Unit of measure:	Pounds
Produce the chemical:	Yes
Import the chemical:	Yes
On-site use of the chemical:	No
Sale or distribution of the chemical:	No
As a byproduct:	No
As a manufactured impurity:	Yes
Used as a reactant:	No
P101 feedstocks:	No
P102 raw materials:	No
P103 intermediates:	No
P104 initiators:	No
P199 other:	No
Added as a formulation component:	No
P201 additives:	No
P202 dyes:	No
P203 reaction diluents:	No
P204 initiators:	No
P205 solvents:	No
P206 inhibitors:	No
P207 emulsifiers:	No
P208 surfactants:	No
P209 lubricants:	No
P210 flame retardants:	No
P211 rheological modifiers:	No
P299 other:	No
Used as an article component:	No
Repackaging:	No
As a process impurity:	Yes
Processed / recycling:	No
Used as a chemical processing aid:	No
Z101 process solvents:	No
Z102 catalysts:	No
Z103 inhibitors:	No
Z104 initiators:	No
Z105 reaction terminators:	No
Z106 solution buffers:	No
Z199 other:	No
Used as a manufacturing aid:	No
Z201 process lubricants:	No
Z202 metalworking fluids:	No
Z203 coolants:	No
Z204 refrigerants:	No
Z205 hydraulic fluids:	No
Z299 other:	No
Ancillary or other use:	No
Z301 cleaner:	No
Z302 degreaser:	No
Z303 lubricant:	No
Z304 fuel:	No

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Z305 flame retardant:	No
Z306 waste treatment:	No
Z307 water treatment:	No
Z308 construction materials:	No
Z399 other:	No
Submitted Facility Name:	PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT
Submitted Street:	1520 E SEPULVEDA BLVD
Submitted City:	CARSON
Submitted County:	LOS ANGELES
Submitted State:	CA
Submitted Zip Code:	90745
Submitted BIA Code:	Not reported
Submitted Tribe Name:	Not reported
Submitted Parent Company Name:	PHILLIPS 66 CO
Submitted Parent Company DB Number:	078378508
Submitted Standardized Parent Company Name:	PHILLIPS 66 CO
Submitted Primary NAICS Code:	324110
Submitted Industry Code:	324
Submitted Industry Name:	Petroleum
Industry Code:	324
Industry Name:	Petroleum
Last year the facility reported:	2021
First year the facility reported:	1991
Number of forms submitted:	24
Total number of forms submitted:	715
Assigned Agency:	Not reported

Detailed On-site Waste Treatment Methods and Efficiency:

Cas number:	0000191242
Document control number:	1321220211953
Chemical name:	Benzo[g,h,i]perylene
Classification:	PBT
Unit of measure:	Pounds
Stream 1 - waste stream code:	NA
Stream 1 - trtmt method - sequence 1:	Not reported
Stream 1 - trtmt method - sequence 2:	Not reported
Stream 1 - trtmt method - sequence 3:	Not reported
Stream 1 - trtmt method - sequence 4:	Not reported
Stream 1 - trtmt method - sequence 5:	Not reported
Stream 1 - trtmt method - sequence 6:	Not reported
Stream 1 - trtmt method - sequence 7:	Not reported
Stream 1 - trtmt method - sequence 8:	Not reported
Stream 1 - based on operating data:	Not reported
Stream 2 - waste stream code:	Not reported
Stream 2 - trtmt method - sequence 1:	Not reported
Stream 2 - trtmt method - sequence 2:	Not reported
Stream 2 - trtmt method - sequence 3:	Not reported
Stream 2 - trtmt method - sequence 4:	Not reported
Stream 2 - trtmt method - sequence 5:	Not reported
Stream 2 - trtmt method - sequence 6:	Not reported
Stream 2 - trtmt method - sequence 7:	Not reported
Stream 2 - trtmt method - sequence 8:	Not reported
Stream 2 - based on operating data:	Not reported
Stream 3 - waste stream code:	Not reported
Stream 3 - trtmt method - sequence 1:	Not reported
Stream 3 - trtmt method - sequence 2:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Stream 3 - trtmt method - sequence 3:	Not reported
Stream 3 - trtmt method - sequence 4:	Not reported
Stream 3 - trtmt method - sequence 5:	Not reported
Stream 3 - trtmt method - sequence 6:	Not reported
Stream 3 - trtmt method - sequence 7:	Not reported
Stream 3 - trtmt method - sequence 8:	Not reported
Stream 3 - based on operating data:	Not reported
Stream 4 - waste stream code:	Not reported
Stream 4 - trtmt method - sequence 1:	Not reported
Stream 4 - trtmt method - sequence 2:	Not reported
Stream 4 - trtmt method - sequence 3:	Not reported
Stream 4 - trtmt method - sequence 4:	Not reported
Stream 4 - trtmt method - sequence 5:	Not reported
Stream 4 - trtmt method - sequence 6:	Not reported
Stream 4 - trtmt method - sequence 7:	Not reported
Stream 4 - trtmt method - sequence 8:	Not reported
Stream 4 - based on operating data:	Not reported
Stream 5 - waste stream code:	Not reported
Stream 5 - trtmt method - sequence 1:	Not reported
Stream 5 - trtmt method - sequence 2:	Not reported
Stream 5 - trtmt method - sequence 3:	Not reported
Stream 5 - trtmt method - sequence 4:	Not reported
Stream 5 - trtmt method - sequence 5:	Not reported
Stream 5 - trtmt method - sequence 6:	Not reported
Stream 5 - trtmt method - sequence 7:	Not reported
Stream 5 - trtmt method - sequence 8:	Not reported
Stream 5 - based on operating data:	Not reported

TRI ID:		90745NCLCR1520E
Cas number:		0000463581
Chemical name:	Carbonyl sulfide	
Classification:		TRI
Unit of measure:		Pounds
Metal ind:		NO
Revision code 1:		Not reported
Revision code 2:		Not reported
Maximum amount on site:		06
Fugitive air emissions - total release pounds:		0
Fugitive air emissions - total release range code:		Not reported
Total fugitive air emissions:		0
Fugitive air emissions - basis of estimate:		Other
Stack air emissions - release pounds:		19000
Stack air emissions - release range code:		Not reported
Total stack air emissions:		19000
Stack air emissions - basis of estimate:		Other
Total air emissions:		19000
Discharges to stream a - stream name:		NA
Total discharges to stream a:		0
Discharges to stream a - basis of estimate:		Not reported
Discharges to stream a - % from stormwater:		Not reported
Discharges to stream b - stream name:		Not reported
Total discharges to stream b:		Not reported
Discharges to stream b - basis of estimate:		Not reported
Discharges to stream b - % from stormwater:		Not reported
Discharges to stream c - stream name:		Not reported
Total discharges to stream c:		Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Discharges to stream c - basis of estimate:	Not reported
Discharges to stream c - % from stormwater:	Not reported
Discharges to stream d - stream name:	Not reported
Total discharges to stream d:	Not reported
Discharges to stream d - basis of estimate:	Not reported
Discharges to stream d - % from stormwater:	Not reported
Discharges to stream e - stream name:	Not reported
Total discharges to stream e:	Not reported
Discharges to stream e - basis of estimate:	Not reported
Discharges to stream e - % from stormwater:	Not reported
Discharges to stream f - stream name:	Not reported
Total discharges to stream f:	Not reported
Discharges to stream f - basis of estimate:	Not reported
Discharges to stream f - % from stormwater:	Not reported
Discharges to stream g - stream name:	Not reported
Total discharges to stream g:	Not reported
Discharges to stream g - basis of estimate:	Not reported
Discharges to stream g - % from stormwater:	Not reported
Total number of receiving streams:	0
Total surface water discharge:	0
Total on-site underground inj - pounds:	Not reported
On-site underground inj - basis of estimate:	Not reported
Total on-site ugrnd inj to cl i wells - pounds:	0
On-site underground inj to c1 i wells - basis of estimate:	Not reported
Total on-site ugrnd inj to cl ii-v wells - pounds:	0
On-site ungrnd inj to cl ii-v wells - basis of estimate:	Not reported
Total on-site underground injection:	0
Total on-site landfills:	Not reported
On-site landfills - basis of estimate:	Not reported
Total on-site RCRA subtitle c landfills:	0
On-site RCRA subtitle c landfills - basis of estimate:	Not reported
Total other on-site landfills:	0
Other landfills - basis of estimate:	Not reported
Total on-site land treatment:	0
Land trtmt/appl farming - basis of estimate:	Not reported
Total surface impoundments:	Not reported
Surface impoundment - basis of estimate:	Not reported
Total RCRA c surface impoundments:	0
RCRA c Surface impoundment - basis of estimate:	Not reported
Total other surface impoundments:	0
Other surface impoundment - basis of estimate:	Not reported
Total other disposal:	0
Other disposal - basis of estimate:	Not reported
Total on-site land releases:	0
Total on-site releases:	19000
Off-site - POTW releases:	0
Off-site - storage only:	0
Off-site - solid/stab - metals:	0
Off-site - wastewater treatment release - metals:	0
Off-site - solid/stab - release - metals:	0
Off-site - wastewater treatment - metals:	0
Off-site - underground injection:	0
Off-site - underground injection - class 1 wells:	0
Off-site - underground injection - class ii-v wells:	0
Off-site - landfills/disposal surface impoundments:	0
Off-site - surface impoundment:	0
Off-site - RCRA subtitle c surface impoundments:	0

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Off-site - other surface impoundments:	0
Off-site - other landfills:	0
Off-site - RCRA subtitle c landfills:	0
Off-site - disposal - land treatment:	0
Off-site - disposal - other land disposal:	0
Off-site - disposal - other off-site management:	0
Off-site - disposal - transfer to waste broker:	0
Off-site - disposal - unknown:	0
Total transferred off site for disposal:	0
Off-site - recycling - solvents/organics recovery:	0
Off-site - recycling -metals recovery:	0
Off-site - recycling - other reuse or recovery:	0
Off-site - recycling - acid regeneration:	0
Off-site - recycling - transfer to waste broker:	0
Total transferred off site for recycling:	0
Off-site - energy recovery:	0
Off-site - transfer to waste broker for energy recovery:	0
Total transferred off site for energy recovery:	0
Off-site - POTW treatment:	0
Off-site - solid/stab treatment - non metals:	0
Off-site -incineration/thermal treatment:	0
Off-site - incineration/insignificant heat value:	0
Off-site - wastewater treatment - non-metals:	0
Off-site - other waste treatment:	0
Off-site - transfer to waste broker - waste treatment:	0
Total transferred off site for treatment:	0
Off-site - transfer to waste broker:	0
Total transferred off site for further waste management:	0
Total POTW transfer:	0
Energy recovery on site current year:	0
Recycled on site current year:	0
Treated on site current year:	38000
Total on-site waste management:	38000
On-site energy recovery method 1:	Not Applicable
On-site energy recovery method 2:	Not reported
On-site energy recovery method 3:	Not Applicable
On-site energy recovery method 4:	Not reported
On-site recycling processes method 1:	Not Applicable
On-site recycling processes method 2:	Not reported
On-site recycling processes method 3:	Not reported
On-site recycling processes method 4:	Not reported
On-site recycling processes method 5:	Not reported
On-site recycling processes method 6:	Not reported
On-site recycling processes method 7:	Not reported
FRS Facility ID:	110038102969
Elemental Metal Included:	NO
Waste Rock Pile managed Indicator:	0
Waste Rock Quantity:	Not reported
Off Site - POTW Releases 81C:	0
Off Site - POTW Releases 81D:	0
Assigned Partial Facility Flag:	NO
Case Number:	463-58-1
Mixture Name:	NA
Clean Air Act Ind:	YES
Carcinogen Ind:	NO
PFAS Ind:	NO

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Chemical Activities and Uses:

Cas number:		0000463581
Document control number:		1321220212017
Chemical name:	Carbonyl sulfide	
Classification:		TRI
Unit of measure:		Pounds
Produce the chemical:		Yes
Import the chemical:		No
On-site use of the chemical:		Yes
Sale or distribution of the chemical:		No
As a byproduct:		Yes
As a manufactured impurity:		No
Used as a reactant:		Yes
P101 feedstocks:		No
P102 raw materials:		No
P103 intermediates:		Yes
P104 initiators:		No
P199 other:		No
Added as a formulation component:		No
P201 additives:		No
P202 dyes:		No
P203 reaction diluents:		No
P204 initiators:		No
P205 solvents:		No
P206 inhibitors:		No
P207 emulsifiers:		No
P208 surfactants:		No
P209 lubricants:		No
P210 flame retardants:		No
P211 rheological modifiers:		No
P299 other:		No
Used as an article component:		No
Repackaging:		No
As a process impurity:		No
Processed / recycling:		No
Used as a chemical processing aid:		No
Z101 process solvents:		No
Z102 catalysts:		No
Z103 inhibitors:		No
Z104 initiators:		No
Z105 reaction terminators:		No
Z106 solution buffers:		No
Z199 other:		No
Used as a manufacturing aid:		No
Z201 process lubricants:		No
Z202 metalworking fluids:		No
Z203 coolants:		No
Z204 refrigerants:		No
Z205 hydraulic fluids:		No
Z299 other:		No
Ancillary or other use:		No
Z301 cleaner:		No
Z302 degreaser:		No
Z303 lubricant:		No
Z304 fuel:		No
Z305 flame retardant:		No
Z306 waste treatment:		No

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Z307 water treatment:	No
Z308 construction materials:	No
Z399 other:	No
Submitted Facility Name:	PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT
Submitted Street:	1520 E SEPULVEDA BLVD
Submitted City:	CARSON
Submitted County:	LOS ANGELES
Submitted State:	CA
Submitted Zip Code:	90745
Submitted BIA Code:	Not reported
Submitted Tribe Name:	Not reported
Submitted Parent Company Name:	PHILLIPS 66 CO
Submitted Parent Company DB Number:	078378508
Submitted Standardized Parent Company Name:	PHILLIPS 66 CO
Submitted Primary NAICS Code:	324110
Submitted Industry Code:	324
Submitted Industry Name:	Petroleum
Industry Code:	324
Industry Name:	Petroleum
Last year the facility reported:	2021
First year the facility reported:	1991
Number of forms submitted:	24
Total number of forms submitted:	715
Assigned Agency:	Not reported

Detailed On-site Waste Treatment Methods and Efficiency:

Cas number:	0000463581
Document control number:	1321220212017
Chemical name: Carbonyl sulfide	
Classification:	TRI
Unit of measure:	Pounds
Stream 1 - waste stream code:	Gaseous (gases, vapors, airborne particulates)
Stream 1 - trtmt method - sequence 1:	Incineration--thermal destruction other than use as a fuel
Stream 1 - trtmt method - sequence 2:	Not reported
Stream 1 - trtmt method - sequence 3:	Not reported
Stream 1 - trtmt method - sequence 4:	Not reported
Stream 1 - trtmt method - sequence 5:	Not reported
Stream 1 - trtmt method - sequence 6:	Not reported
Stream 1 - trtmt method - sequence 7:	Not reported
Stream 1 - trtmt method - sequence 8:	Not reported
Stream 1 - based on operating data:	Not reported
Stream 2 - waste stream code:	Not reported
Stream 2 - trtmt method - sequence 1:	Not reported
Stream 2 - trtmt method - sequence 2:	Not reported
Stream 2 - trtmt method - sequence 3:	Not reported
Stream 2 - trtmt method - sequence 4:	Not reported
Stream 2 - trtmt method - sequence 5:	Not reported
Stream 2 - trtmt method - sequence 6:	Not reported
Stream 2 - trtmt method - sequence 7:	Not reported
Stream 2 - trtmt method - sequence 8:	Not reported
Stream 2 - based on operating data:	Not reported
Stream 3 - waste stream code:	Not reported
Stream 3 - trtmt method - sequence 1:	Not reported
Stream 3 - trtmt method - sequence 2:	Not reported
Stream 3 - trtmt method - sequence 3:	Not reported
Stream 3 - trtmt method - sequence 4:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Stream 3 - trtmt method - sequence 5:	Not reported
Stream 3 - trtmt method - sequence 6:	Not reported
Stream 3 - trtmt method - sequence 7:	Not reported
Stream 3 - trtmt method - sequence 8:	Not reported
Stream 3 - based on operating data:	Not reported
Stream 4 - waste stream code:	Not reported
Stream 4 - trtmt method - sequence 1:	Not reported
Stream 4 - trtmt method - sequence 2:	Not reported
Stream 4 - trtmt method - sequence 3:	Not reported
Stream 4 - trtmt method - sequence 4:	Not reported
Stream 4 - trtmt method - sequence 5:	Not reported
Stream 4 - trtmt method - sequence 6:	Not reported
Stream 4 - trtmt method - sequence 7:	Not reported
Stream 4 - trtmt method - sequence 8:	Not reported
Stream 4 - based on operating data:	Not reported
Stream 5 - waste stream code:	Not reported
Stream 5 - trtmt method - sequence 1:	Not reported
Stream 5 - trtmt method - sequence 2:	Not reported
Stream 5 - trtmt method - sequence 3:	Not reported
Stream 5 - trtmt method - sequence 4:	Not reported
Stream 5 - trtmt method - sequence 5:	Not reported
Stream 5 - trtmt method - sequence 6:	Not reported
Stream 5 - trtmt method - sequence 7:	Not reported
Stream 5 - trtmt method - sequence 8:	Not reported
Stream 5 - based on operating data:	Not reported

TRI ID:	90745NCLCR1520E
Cas number:	N590
Chemical name:	Polycyclic aromatic compounds
Classification:	PBT
Unit of measure:	Pounds
Metal ind:	NO
Revision code 1:	Not reported
Revision code 2:	Not reported
Maximum amount on site:	06
Fugitive air emissions - total release pounds:	.5
Fugitive air emissions - total release range code:	Not reported
Total fugitive air emissions:	.5
Fugitive air emissions - basis of estimate:	Other
Stack air emissions - release pounds:	2.9
Stack air emissions - release range code:	Not reported
Total stack air emissions:	2.9
Stack air emissions - basis of estimate:	Periodic/Random Monotoning Data
Total air emissions:	3.4
Discharges to stream a - stream name:	NA
Total discharges to stream a:	0
Discharges to stream a - basis of estimate:	Not reported
Discharges to stream a - % from stormwater:	Not reported
Discharges to stream b - stream name:	Not reported
Total discharges to stream b:	Not reported
Discharges to stream b - basis of estimate:	Not reported
Discharges to stream b - % from stormwater:	Not reported
Discharges to stream c - stream name:	Not reported
Total discharges to stream c:	Not reported
Discharges to stream c - basis of estimate:	Not reported
Discharges to stream c - % from stormwater:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Discharges to stream d - stream name:	Not reported
Total discharges to stream d:	Not reported
Discharges to stream d - basis of estimate:	Not reported
Discharges to stream d - % from stormwater:	Not reported
Discharges to stream e - stream name:	Not reported
Total discharges to stream e:	Not reported
Discharges to stream e - basis of estimate:	Not reported
Discharges to stream e - % from stormwater:	Not reported
Discharges to stream f - stream name:	Not reported
Total discharges to stream f:	Not reported
Discharges to stream f - basis of estimate:	Not reported
Discharges to stream f - % from stormwater:	Not reported
Discharges to stream g - stream name:	Not reported
Total discharges to stream g:	Not reported
Discharges to stream g - basis of estimate:	Not reported
Discharges to stream g - % from stormwater:	Not reported
Total number of receiving streams:	0
Total surface water discharge:	0
Total on-site underground inj - pounds:	Not reported
On-site underground inj - basis of estimate:	Not reported
Total on-site ugrnd inj to cl i wells - pounds:	0
On-site underground inj to c1 i wells - basis of estimate:	Not reported
Total on-site ugrnd inj to cl ii-v wells - pounds:	0
On-site ungrnd inj to cl ii-v wells - basis of estimate:	Not reported
Total on-site underground injection:	0
Total on-site landfills:	Not reported
On-site landfills - basis of estimate:	Not reported
Total on-site RCRA subtitle c landfills:	0
On-site RCRA subtitle c landfills - basis of estimate:	Not reported
Total other on-site landfills:	0
Other landfills - basis of estimate:	Not reported
Total on-site land treatment:	0
Land trtmt/appl farming - basis of estimate:	Not reported
Total surface impoundments:	Not reported
Surface impoundment - basis of estimate:	Not reported
Total RCRA c surface impoundments:	0
RCRA c Surface impoundment - basis of estimate:	Not reported
Total other surface impoundments:	0
Other surface impoundment - basis of estimate:	Not reported
Total other disposal:	0
Other disposal - basis of estimate:	Other
Total on-site land releases:	0
Total on-site releases:	3.4
Off-site - POTW releases:	0
Off-site - storage only:	0
Off-site - solid/stab - metals:	0
Off-site - wastewater treatment release - metals:	0
Off-site - solid/stab - release - metals:	0
Off-site - wastewater treatment - metals:	0
Off-site - underground injection:	0
Off-site - underground injection - class 1 wells:	0
Off-site - underground injection - class ii-v wells:	0
Off-site - landfills/disposal surface impoundments:	0
Off-site - surface impoundment:	0
Off-site - RCRA subtitle c surface impoundments:	0
Off-site - other surface impoundments:	0
Off-site - other landfills:	0

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Off-site - RCRA subtitle c landfills:	0
Off-site - disposal - land treatment:	0
Off-site - disposal - other land disposal:	0
Off-site - disposal - other off-site management:	0
Off-site - disposal - transfer to waste broker:	0
Off-site - disposal - unknown:	0
Total transferred off site for disposal:	0
Off-site - recycling - solvents/organics recovery:	0
Off-site - recycling -metals recovery:	0
Off-site - recycling - other reuse or recovery:	0
Off-site - recycling - acid regeneration:	0
Off-site - recycling - transfer to waste broker:	0
Total transferred off site for recycling:	0
Off-site - energy recovery:	0
Off-site - transfer to waste broker for energy recovery:	0
Total transferred off site for energy recovery:	0
Off-site - POTW treatment:	0
Off-site - solid/stab treatment - non metals:	0
Off-site -incineration/thermal treatment:	0
Off-site - incineration/insignificant heat value:	0
Off-site - wastewater treatment - non-metals:	0
Off-site - other waste treatment:	0
Off-site - transfer to waste broker - waste treatment:	0
Total transferred off site for treatment:	0
Off-site - transfer to waste broker:	0
Total transferred off site for further waste management:	0
Total POTW transfer:	0
Energy recovery on site current year:	0
Recycled on site current year:	0
Treated on site current year:	0
Total on-site waste management:	0
On-site energy recovery method 1:	Not Applicable
On-site energy recovery method 2:	Not reported
On-site energy recovery method 3:	Not Applicable
On-site energy recovery method 4:	Not reported
On-site recycling processes method 1:	Not Applicable
On-site recycling processes method 2:	Not reported
On-site recycling processes method 3:	Not reported
On-site recycling processes method 4:	Not reported
On-site recycling processes method 5:	Not reported
On-site recycling processes method 6:	Not reported
On-site recycling processes method 7:	Not reported
FRS Facility ID:	110038102969
Elemental Metal Included:	NO
Waste Rock Pile managed Indicator:	0
Waste Rock Quantity:	Not reported
Off Site - POTW Releases 81C:	0
Off Site - POTW Releases 81D:	0
Assigned Partial Facility Flag:	NO
Case Number:	N590
Mixture Name:	NA
Clean Air Act Ind:	YES
Carcinogen Ind:	YES
PFAS Ind:	NO

Chemical Activities and Uses:

Cas number:	N590
Document control number:	1321220212144

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Chemical name:	Polycyclic aromatic compounds
Classification:	PBT
Unit of measure:	Pounds
Produce the chemical:	Yes
Import the chemical:	Yes
On-site use of the chemical:	No
Sale or distribution of the chemical:	No
As a byproduct:	No
As a manufactured impurity:	Yes
Used as a reactant:	No
P101 feedstocks:	No
P102 raw materials:	No
P103 intermediates:	No
P104 initiators:	No
P199 other:	No
Added as a formulation component:	No
P201 additives:	No
P202 dyes:	No
P203 reaction diluents:	No
P204 initiators:	No
P205 solvents:	No
P206 inhibitors:	No
P207 emulsifiers:	No
P208 surfactants:	No
P209 lubricants:	No
P210 flame retardants:	No
P211 rheological modifiers:	No
P299 other:	No
Used as an article component:	No
Repackaging:	No
As a process impurity:	Yes
Processed / recycling:	No
Used as a chemical processing aid:	No
Z101 process solvents:	No
Z102 catalysts:	No
Z103 inhibitors:	No
Z104 initiators:	No
Z105 reaction terminators:	No
Z106 solution buffers:	No
Z199 other:	No
Used as a manufacturing aid:	No
Z201 process lubricants:	No
Z202 metalworking fluids:	No
Z203 coolants:	No
Z204 refrigerants:	No
Z205 hydraulic fluids:	No
Z299 other:	No
Ancillary or other use:	No
Z301 cleaner:	No
Z302 degreaser:	No
Z303 lubricant:	No
Z304 fuel:	No
Z305 flame retardant:	No
Z306 waste treatment:	No
Z307 water treatment:	No
Z308 construction materials:	No
Z399 other:	No

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Submitted Facility Name:	PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT
Submitted Street:	1520 E SEPULVEDA BLVD
Submitted City:	CARSON
Submitted County:	LOS ANGELES
Submitted State:	CA
Submitted Zip Code:	90745
Submitted BIA Code:	Not reported
Submitted Tribe Name:	Not reported
Submitted Parent Company Name:	PHILLIPS 66 CO
Submitted Parent Company DB Number:	078378508
Submitted Standardized Parent Company Name:	PHILLIPS 66 CO
Submitted Primary NAICS Code:	324110
Submitted Industry Code:	324
Submitted Industry Name:	Petroleum
Industry Code:	324
Industry Name:	Petroleum
Last year the facility reported:	2021
First year the facility reported:	1991
Number of forms submitted:	24
Total number of forms submitted:	715
Assigned Agency:	Not reported

Detailed On-site Waste Treatment Methods and Efficiency:

Cas number:	N590
Document control number:	1321220212144
Chemical name:	Polycyclic aromatic compounds
Classification:	PBT
Unit of measure:	Pounds
Stream 1 - waste stream code:	NA
Stream 1 - trtmt method - sequence 1:	Not reported
Stream 1 - trtmt method - sequence 2:	Not reported
Stream 1 - trtmt method - sequence 3:	Not reported
Stream 1 - trtmt method - sequence 4:	Not reported
Stream 1 - trtmt method - sequence 5:	Not reported
Stream 1 - trtmt method - sequence 6:	Not reported
Stream 1 - trtmt method - sequence 7:	Not reported
Stream 1 - trtmt method - sequence 8:	Not reported
Stream 1 - based on operating data:	Not reported
Stream 2 - waste stream code:	Not reported
Stream 2 - trtmt method - sequence 1:	Not reported
Stream 2 - trtmt method - sequence 2:	Not reported
Stream 2 - trtmt method - sequence 3:	Not reported
Stream 2 - trtmt method - sequence 4:	Not reported
Stream 2 - trtmt method - sequence 5:	Not reported
Stream 2 - trtmt method - sequence 6:	Not reported
Stream 2 - trtmt method - sequence 7:	Not reported
Stream 2 - trtmt method - sequence 8:	Not reported
Stream 2 - based on operating data:	Not reported
Stream 3 - waste stream code:	Not reported
Stream 3 - trtmt method - sequence 1:	Not reported
Stream 3 - trtmt method - sequence 2:	Not reported
Stream 3 - trtmt method - sequence 3:	Not reported
Stream 3 - trtmt method - sequence 4:	Not reported
Stream 3 - trtmt method - sequence 5:	Not reported
Stream 3 - trtmt method - sequence 6:	Not reported
Stream 3 - trtmt method - sequence 7:	Not reported
Stream 3 - trtmt method - sequence 8:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Stream 3 - based on operating data:	Not reported
Stream 4 - waste stream code:	Not reported
Stream 4 - trtmt method - sequence 1:	Not reported
Stream 4 - trtmt method - sequence 2:	Not reported
Stream 4 - trtmt method - sequence 3:	Not reported
Stream 4 - trtmt method - sequence 4:	Not reported
Stream 4 - trtmt method - sequence 5:	Not reported
Stream 4 - trtmt method - sequence 6:	Not reported
Stream 4 - trtmt method - sequence 7:	Not reported
Stream 4 - trtmt method - sequence 8:	Not reported
Stream 4 - based on operating data:	Not reported
Stream 5 - waste stream code:	Not reported
Stream 5 - trtmt method - sequence 1:	Not reported
Stream 5 - trtmt method - sequence 2:	Not reported
Stream 5 - trtmt method - sequence 3:	Not reported
Stream 5 - trtmt method - sequence 4:	Not reported
Stream 5 - trtmt method - sequence 5:	Not reported
Stream 5 - trtmt method - sequence 6:	Not reported
Stream 5 - trtmt method - sequence 7:	Not reported
Stream 5 - trtmt method - sequence 8:	Not reported
Stream 5 - based on operating data:	Not reported

TRI ID:		90745NCLCR1520E
Cas number:		0000108883
Chemical name:	Toluene	
Classification:		TRI
Unit of measure:		Pounds
Metal ind:		NO
Revision code 1:		Not reported
Revision code 2:		Not reported
Maximum amount on site:		07
Fugitive air emissions - total release pounds:		270
Fugitive air emissions - total release range code:		Not reported
Total fugitive air emissions:		270
Fugitive air emissions - basis of estimate:		Other
Stack air emissions - release pounds:		1900
Stack air emissions - release range code:		Not reported
Total stack air emissions:		1900
Stack air emissions - basis of estimate:		Other
Total air emissions:		2170
Discharges to stream a - stream name:		NA
Total discharges to stream a:		0
Discharges to stream a - basis of estimate:		Not reported
Discharges to stream a - % from stormwater:		Not reported
Discharges to stream b - stream name:		Not reported
Total discharges to stream b:		Not reported
Discharges to stream b - basis of estimate:		Not reported
Discharges to stream b - % from stormwater:		Not reported
Discharges to stream c - stream name:		Not reported
Total discharges to stream c:		Not reported
Discharges to stream c - basis of estimate:		Not reported
Discharges to stream c - % from stormwater:		Not reported
Discharges to stream d - stream name:		Not reported
Total discharges to stream d:		Not reported
Discharges to stream d - basis of estimate:		Not reported
Discharges to stream d - % from stormwater:		Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Discharges to stream e - stream name:	Not reported
Total discharges to stream e:	Not reported
Discharges to stream e - basis of estimate:	Not reported
Discharges to stream e - % from stormwater:	Not reported
Discharges to stream f - stream name:	Not reported
Total discharges to stream f:	Not reported
Discharges to stream f - basis of estimate:	Not reported
Discharges to stream f - % from stormwater:	Not reported
Discharges to stream g - stream name:	Not reported
Total discharges to stream g:	Not reported
Discharges to stream g - basis of estimate:	Not reported
Discharges to stream g - % from stormwater:	Not reported
Total number of receiving streams:	0
Total surface water discharge:	0
Total on-site underground inj - pounds:	Not reported
On-site underground inj - basis of estimate:	Not reported
Total on-site ugrnd inj to cl i wells - pounds:	0
On-site underground inj to c1 i wells - basis of estimate:	Not reported
Total on-site ugrnd inj to cl ii-v wells - pounds:	0
On-site ungrnd inj to cl ii-v wells - basis of estimate:	Not reported
Total on-site underground injection:	0
Total on-site landfills:	Not reported
On-site landfills - basis of estimate:	Not reported
Total on-site RCRA subtitle c landfills:	0
On-site RCRA subtitle c landfills - basis of estimate:	Not reported
Total other on-site landfills:	0
Other landfills - basis of estimate:	Not reported
Total on-site land treatment:	0
Land trtmt/appl farming - basis of estimate:	Not reported
Total surface impoundments:	Not reported
Surface impoundment - basis of estimate:	Not reported
Total RCRA c surface impoundments:	0
RCRA c Surface impoundment - basis of estimate:	Not reported
Total other surface impoundments:	0
Other surface impoundment - basis of estimate:	Not reported
Total other disposal:	0
Other disposal - basis of estimate:	Other
Total on-site land releases:	0
Total on-site releases:	2170
Off-site - POTW releases:	624
Off-site - storage only:	0
Off-site - solid/stab - metals:	0
Off-site - wastewater treatment release - metals:	0
Off-site - solid/stab - release - metals:	0
Off-site - wastewater treatment - metals:	0
Off-site - underground injection:	0
Off-site - underground injection - class 1 wells:	0
Off-site - underground injection - class ii-v wells:	0
Off-site - landfills/disposal surface impoundments:	0
Off-site - surface impoundment:	0
Off-site - RCRA subtitle c surface impoundments:	0
Off-site - other surface impoundments:	0
Off-site - other landfills:	0
Off-site - RCRA subtitle c landfills:	0
Off-site - disposal - land treatment:	0
Off-site - disposal - other land disposal:	0
Off-site - disposal - other off-site management:	0

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Off-site - disposal - transfer to waste broker:	1
Off-site - disposal - unknown:	0
Total transferred off site for disposal:	625
Off-site - recycling - solvents/organics recovery:	0
Off-site - recycling -metals recovery:	0
Off-site - recycling - other reuse or recovery:	0
Off-site - recycling - acid regeneration:	0
Off-site - recycling - transfer to waste broker:	0
Total transferred off site for recycling:	0
Off-site - energy recovery:	0
Off-site - transfer to waste broker for energy recovery:	0
Total transferred off site for energy recovery:	0
Off-site - POTW treatment:	1976
Off-site - solid/stab treatment - non metals:	0
Off-site -incineration/thermal treatment:	19
Off-site - incineration/insignificant heat value:	0
Off-site - wastewater treatment - non-metals:	0
Off-site - other waste treatment:	0
Off-site - transfer to waste broker - waste treatment:	9
Total transferred off site for treatment:	2004
Off-site - transfer to waste broker:	0
Total transferred off site for further waste management:	2629
Total POTW transfer:	2600
Energy recovery on site current year:	0
Recycled on site current year:	0
Treated on site current year:	0
Total on-site waste management:	0
On-site energy recovery method 1:	Not Applicable
On-site energy recovery method 2:	Not reported
On-site energy recovery method 3:	Not Applicable
On-site energy recovery method 4:	Not reported
On-site recycling processes method 1:	Not Applicable
On-site recycling processes method 2:	Not reported
On-site recycling processes method 3:	Not reported
On-site recycling processes method 4:	Not reported
On-site recycling processes method 5:	Not reported
On-site recycling processes method 6:	Not reported
On-site recycling processes method 7:	Not reported
FRS Facility ID:	110038102969
Elemental Metal Included:	NO
Waste Rock Pile managed Indicator:	0
Waste Rock Quantity:	Not reported
Off Site - POTW Releases 81C:	26
Off Site - POTW Releases 81D:	598
Assigned Partial Facility Flag:	NO
Case Number:	108-88-3
Mixture Name:	NA
Clean Air Act Ind:	YES
Carcinogen Ind:	NO
PFAS Ind:	NO

Chemical Activities and Uses:

Cas number:		0000108883
Document control number:		1321220212183
Chemical name:	Toluene	
Classification:		TRI
Unit of measure:		Pounds
Produce the chemical:		Yes

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Import the chemical:	Yes
On-site use of the chemical:	Yes
Sale or distribution of the chemical:	No
As a byproduct:	No
As a manufactured impurity:	No
Used as a reactant:	No
P101 feedstocks:	No
P102 raw materials:	No
P103 intermediates:	No
P104 initiators:	No
P199 other:	No
Added as a formulation component:	No
P201 additives:	No
P202 dyes:	No
P203 reaction diluents:	No
P204 initiators:	No
P205 solvents:	No
P206 inhibitors:	No
P207 emulsifiers:	No
P208 surfactants:	No
P209 lubricants:	No
P210 flame retardants:	No
P211 rheological modifiers:	No
P299 other:	No
Used as an article component:	No
Repackaging:	No
As a process impurity:	No
Processed / recycling:	No
Used as a chemical processing aid:	No
Z101 process solvents:	No
Z102 catalysts:	No
Z103 inhibitors:	No
Z104 initiators:	No
Z105 reaction terminators:	No
Z106 solution buffers:	No
Z199 other:	No
Used as a manufacturing aid:	No
Z201 process lubricants:	No
Z202 metalworking fluids:	No
Z203 coolants:	No
Z204 refrigerants:	No
Z205 hydraulic fluids:	No
Z299 other:	No
Ancillary or other use:	Yes
Z301 cleaner:	No
Z302 degreaser:	No
Z303 lubricant:	No
Z304 fuel:	No
Z305 flame retardant:	No
Z306 waste treatment:	No
Z307 water treatment:	No
Z308 construction materials:	No
Z399 other:	Yes

Submitted Facility Name:	PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT
Submitted Street:	1520 E SEPULVEDA BLVD
Submitted City:	CARSON

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Submitted County:	LOS ANGELES
Submitted State:	CA
Submitted Zip Code:	90745
Submitted BIA Code:	Not reported
Submitted Tribe Name:	Not reported
Submitted Parent Company Name:	PHILLIPS 66 CO
Submitted Parent Company DB Number:	078378508
Submitted Standardized Parent Company Name:	PHILLIPS 66 CO
Submitted Primary NAICS Code:	324110
Submitted Industry Code:	324
Submitted Industry Name:	Petroleum
Industry Code:	324
Industry Name:	Petroleum
Last year the facility reported:	2021
First year the facility reported:	1991
Number of forms submitted:	24
Total number of forms submitted:	715
Assigned Agency:	Not reported

Detailed On-site Waste Treatment Methods and Efficiency:

Cas number:	0000108883
Document control number:	1321220212183
Chemical name: Toluene	
Classification:	TRI
Unit of measure:	Pounds
Stream 1 - waste stream code:	NA
Stream 1 - trtmt method - sequence 1:	Not reported
Stream 1 - trtmt method - sequence 2:	Not reported
Stream 1 - trtmt method - sequence 3:	Not reported
Stream 1 - trtmt method - sequence 4:	Not reported
Stream 1 - trtmt method - sequence 5:	Not reported
Stream 1 - trtmt method - sequence 6:	Not reported
Stream 1 - trtmt method - sequence 7:	Not reported
Stream 1 - trtmt method - sequence 8:	Not reported
Stream 1 - based on operating data:	Not reported
Stream 2 - waste stream code:	Not reported
Stream 2 - trtmt method - sequence 1:	Not reported
Stream 2 - trtmt method - sequence 2:	Not reported
Stream 2 - trtmt method - sequence 3:	Not reported
Stream 2 - trtmt method - sequence 4:	Not reported
Stream 2 - trtmt method - sequence 5:	Not reported
Stream 2 - trtmt method - sequence 6:	Not reported
Stream 2 - trtmt method - sequence 7:	Not reported
Stream 2 - trtmt method - sequence 8:	Not reported
Stream 2 - based on operating data:	Not reported
Stream 3 - waste stream code:	Not reported
Stream 3 - trtmt method - sequence 1:	Not reported
Stream 3 - trtmt method - sequence 2:	Not reported
Stream 3 - trtmt method - sequence 3:	Not reported
Stream 3 - trtmt method - sequence 4:	Not reported
Stream 3 - trtmt method - sequence 5:	Not reported
Stream 3 - trtmt method - sequence 6:	Not reported
Stream 3 - trtmt method - sequence 7:	Not reported
Stream 3 - trtmt method - sequence 8:	Not reported
Stream 3 - based on operating data:	Not reported
Stream 4 - waste stream code:	Not reported
Stream 4 - trtmt method - sequence 1:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Stream 4 - trtmt method - sequence 2:	Not reported
Stream 4 - trtmt method - sequence 3:	Not reported
Stream 4 - trtmt method - sequence 4:	Not reported
Stream 4 - trtmt method - sequence 5:	Not reported
Stream 4 - trtmt method - sequence 6:	Not reported
Stream 4 - trtmt method - sequence 7:	Not reported
Stream 4 - trtmt method - sequence 8:	Not reported
Stream 4 - based on operating data:	Not reported
Stream 5 - waste stream code:	Not reported
Stream 5 - trtmt method - sequence 1:	Not reported
Stream 5 - trtmt method - sequence 2:	Not reported
Stream 5 - trtmt method - sequence 3:	Not reported
Stream 5 - trtmt method - sequence 4:	Not reported
Stream 5 - trtmt method - sequence 5:	Not reported
Stream 5 - trtmt method - sequence 6:	Not reported
Stream 5 - trtmt method - sequence 7:	Not reported
Stream 5 - trtmt method - sequence 8:	Not reported
Stream 5 - based on operating data:	Not reported

Details of Off-site Transfers:

Cas number:	0000108883
Document control number:	1321220212183
Chemical name: Toluene	
Classification:	TRI
Offsite RCRA id nr:	CAL000360512
Offsite transfer sequence number:	2
Offsite name:	ENVENT CORP
Offsite street address:	3220 E 29TH ST
Offsite City,State,Zip:	LONG BEACH, CA 90806
Offsite county:	LOS ANGELES
Offsite province:	Not reported
Offsite country id:	Not reported
Offsite control:	NO
Unit of measure:	Pounds
Total amount transferred offsite for disposal:	0
Total amount transferred offsite for recycling:	0
Total amount transferred offsite for energy recovery:	0
Offsite TRF to WST broker for WT m95 LBS:	9
Offsite TRF to WST broker for WT m95 BOE:	Periodic/Random Monotoning Data
Total amount transferred offsite for treatment:	9
FRS ID - Transfer Location:	110070477705

Offsite RCRA id nr:	UTR000000687
Offsite transfer sequence number:	3
Offsite name:	ECDC ENVIRONMENTAL L.C.
Offsite street address:	1111 WEST HIGHWAY 123
Offsite City,State,Zip:	EAST CARBON, UT 84520
Offsite county:	CARBON
Offsite province:	Not reported
Offsite country id:	Not reported
Offsite control:	NO
Unit of measure:	Pounds
Offsite other landfills m64 BOE:	Periodic/Random Monotoning Data
Total amount transferred offsite for disposal:	0
Total amount transferred offsite for recycling:	0
Total amount transferred offsite for energy recovery:	0
Total amount transferred offsite for treatment:	0

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

FRS ID - Transfer Location:	110000911960
Offsite RCRA id nr:	CAD044429835
Offsite transfer sequence number:	4
Offsite name:	CLEAN HARBORS OF WILMINGTON
Offsite street address:	1737 EAST DENNI STREET
Offsite City,State,Zip:	WILMINGTON, CA 90744
Offsite county:	LOS ANGELES
Offsite province:	Not reported
Offsite country id:	Not reported
Offsite control:	NO
Unit of measure:	Pounds
Offsite TRF to WST broker for DSP m94 LBS:	1
Offsite TRF to WST broker for DSP m94 BOE:	Other
Total amount transferred offsite for disposal:	1
Total amount transferred offsite for recycling:	0
Total amount transferred offsite for energy recovery:	0
Total amount transferred offsite for treatment:	0
FRS ID - Transfer Location:	110042036855
Offsite RCRA id nr:	NED981723513
Offsite transfer sequence number:	5
Offsite name:	CLEAN HARBORS ENVIRONMENTAL SERVICES, INC.
Offsite street address:	2247 S. HWY 71
Offsite City,State,Zip:	KIMBALL, NE 69145
Offsite county:	KIMBALL
Offsite province:	Not reported
Offsite country id:	Not reported
Offsite control:	NO
Unit of measure:	Pounds
Total amount transferred offsite for disposal:	0
Total amount transferred offsite for recycling:	0
Total amount transferred offsite for energy recovery:	0
Offsite incineration/thermal treatment m50 LBS:	19
Offsite incineration/thermal treatment m50 BOE:	Periodic/Random Monotoning Data
Total amount transferred offsite for treatment:	19
FRS ID - Transfer Location:	110041638458
Offsite RCRA id nr:	UTD991301748
Offsite transfer sequence number:	6
Offsite name:	CLEAN HARBORS GRASSY MOUNTAIN
Offsite street address:	3 MILES EAST, 7 MILES NORTH OF KNOLLS EXIT OFF I-80
Offsite City,State,Zip:	KNOLLS, UT 84029
Offsite county:	TOOELE
Offsite province:	Not reported
Offsite country id:	Not reported
Offsite control:	NO
Unit of measure:	Pounds
Offsite RCRA subtitle c landfillsm65 BOE:	Periodic/Random Monotoning Data
Total amount transferred offsite for disposal:	0
Total amount transferred offsite for recycling:	0
Total amount transferred offsite for energy recovery:	0
Total amount transferred offsite for treatment:	0
FRS ID - Transfer Location:	110013709754
Offsite RCRA id nr:	UTD981552177
Offsite transfer sequence number:	7

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Offsite name:	CLEAN HARBORS ARAGONITE, LLC
Offsite street address:	11600 N APTUS ROAD
Offsite City,State,Zip:	ARAGONITE, UT 84029
Offsite county:	TOOELE
Offsite province:	Not reported
Offsite country id:	Not reported
Offsite control:	NO
Unit of measure:	Pounds
Total amount transferred offsite for disposal:	0
Total amount transferred offsite for recycling:	0
Total amount transferred offsite for energy recovery:	0
Offsite incineration/thermal treatment m50 BOE:	Periodic/Random Monotoning Data
Total amount transferred offsite for treatment:	0
FRS ID - Transfer Location:	110000906985

Offsite RCRA id nr:	LAD980622161
Offsite transfer sequence number:	8
Offsite name:	CATALYST RECOVERY OF LA, LLC
Offsite street address:	100 AMERICAN BLVD.
Offsite City,State,Zip:	LAFAYETTE, LA 70508
Offsite county:	LAFAYETTE PARISH
Offsite province:	Not reported
Offsite country id:	Not reported
Offsite control:	NO
Unit of measure:	Pounds
Total amount transferred offsite for disposal:	0
Total amount transferred offsite for recycling:	0
Total amount transferred offsite for energy recovery:	0
Offsite incineration/thermal treatment m50 BOE:	Periodic/Random Monotoning Data
Total amount transferred offsite for treatment:	0
FRS ID - Transfer Location:	110000613783

Offsite RCRA id nr:	CAL000038438
Offsite transfer sequence number:	9
Offsite name:	CALIFORNIA CARBON CO INC
Offsite street address:	2825 E GRANT ST
Offsite City,State,Zip:	WILMINGTON, CA 907440000
Offsite county:	LOS ANGELES
Offsite province:	Not reported
Offsite country id:	Not reported
Offsite control:	NO
Unit of measure:	Pounds
Total amount transferred offsite for disposal:	0
Total amount transferred offsite for recycling:	0
Total amount transferred offsite for energy recovery:	0
Offsite incineration/thermal treatment m50 BOE:	Periodic/Random Monotoning Data
Total amount transferred offsite for treatment:	0
FRS ID - Transfer Location:	110065844028

TRI ID:		90745NCLCR1520E
Cas number:		0007783064
Chemical name:	Hydrogen sulfide	
Classification:		TRI
Unit of measure:		Pounds
Metal ind:		NO
Revision code 1:		Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Revision code 2:	Not reported
Maximum amount on site:	06
Fugitive air emissions - total release pounds:	28
Fugitive air emissions - total release range code:	Not reported
Total fugitive air emissions:	28
Fugitive air emissions - basis of estimate:	Other
Stack air emissions - release pounds:	6800
Stack air emissions - release range code:	Not reported
Total stack air emissions:	6800
Stack air emissions - basis of estimate:	Other
Total air emissions:	6828
Discharges to stream a - stream name:	NA
Total discharges to stream a:	0
Discharges to stream a - basis of estimate:	Not reported
Discharges to stream a - % from stormwater:	Not reported
Discharges to stream b - stream name:	Not reported
Total discharges to stream b:	Not reported
Discharges to stream b - basis of estimate:	Not reported
Discharges to stream b - % from stormwater:	Not reported
Discharges to stream c - stream name:	Not reported
Total discharges to stream c:	Not reported
Discharges to stream c - basis of estimate:	Not reported
Discharges to stream c - % from stormwater:	Not reported
Discharges to stream d - stream name:	Not reported
Total discharges to stream d:	Not reported
Discharges to stream d - basis of estimate:	Not reported
Discharges to stream d - % from stormwater:	Not reported
Discharges to stream e - stream name:	Not reported
Total discharges to stream e:	Not reported
Discharges to stream e - basis of estimate:	Not reported
Discharges to stream e - % from stormwater:	Not reported
Discharges to stream f - stream name:	Not reported
Total discharges to stream f:	Not reported
Discharges to stream f - basis of estimate:	Not reported
Discharges to stream f - % from stormwater:	Not reported
Discharges to stream g - stream name:	Not reported
Total discharges to stream g:	Not reported
Discharges to stream g - basis of estimate:	Not reported
Discharges to stream g - % from stormwater:	Not reported
Total number of receiving streams:	0
Total surface water discharge:	0
Total on-site underground inj - pounds:	Not reported
On-site underground inj - basis of estimate:	Not reported
Total on-site ugrnd inj to cl i wells - pounds:	0
On-site underground inj to c1 i wells - basis of estimate:	Not reported
Total on-site ugrnd inj to cl ii-v wells - pounds:	0
On-site ungrnd inj to cl ii-v wells - basis of estimate:	Not reported
Total on-site underground injection:	0
Total on-site landfills:	Not reported
On-site landfills - basis of estimate:	Not reported
Total on-site RCRA subtitle c landfills:	0
On-site RCRA subtitle c landfills - basis of estimate:	Not reported
Total other on-site landfills:	0
Other landfills - basis of estimate:	Not reported
Total on-site land treatment:	0
Land trtmt/appl farming - basis of estimate:	Not reported
Total surface impoundments:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Surface impoundment - basis of estimate:	Not reported
Total RCRA c surface impoundments:	0
RCRA c Surface impoundment - basis of estimate:	Not reported
Total other surface impoundments:	0
Other surface impoundment - basis of estimate:	Not reported
Total other disposal:	0
Other disposal - basis of estimate:	Not reported
Total on-site land releases:	0
Total on-site releases:	6828
Off-site - POTW releases:	0
Off-site - storage only:	0
Off-site - solid/stab - metals:	0
Off-site - wastewater treatment release - metals:	0
Off-site - solid/stab - release - metals:	0
Off-site - wastewater treatment - metals:	0
Off-site - underground injection:	0
Off-site - underground injection - class 1 wells:	0
Off-site - underground injection - class ii-v wells:	0
Off-site - landfills/disposal surface impoundments:	0
Off-site - surface impoundment:	0
Off-site - RCRA subtitle c surface impoundments:	0
Off-site - other surface impoundments:	0
Off-site - other landfills:	0
Off-site - RCRA subtitle c landfills:	0
Off-site - disposal - land treatment:	0
Off-site - disposal - other land disposal:	0
Off-site - disposal - other off-site management:	0
Off-site - disposal - transfer to waste broker:	0
Off-site - disposal - unknown:	0
Total transferred off site for disposal:	0
Off-site - recycling - solvents/organics recovery:	0
Off-site - recycling -metals recovery:	0
Off-site - recycling - other reuse or recovery:	0
Off-site - recycling - acid regeneration:	0
Off-site - recycling - transfer to waste broker:	0
Total transferred off site for recycling:	0
Off-site - energy recovery:	0
Off-site - transfer to waste broker for energy recovery:	0
Total transferred off site for energy recovery:	0
Off-site - POTW treatment:	45
Off-site - solid/stab treatment - non metals:	0
Off-site -incineration/thermal treatment:	0
Off-site - incineration/insignificant heat value:	0
Off-site - wastewater treatment - non-metals:	0
Off-site - other waste treatment:	0
Off-site - transfer to waste broker - waste treatment:	0
Total transferred off site for treatment:	45
Off-site - transfer to waste broker:	0
Total transferred off site for further waste management:	45
Total POTW transfer:	45
Energy recovery on site current year:	0
Recycled on site current year:	0
Treated on site current year:	97000
Total on-site waste management:	97000
On-site energy recovery method 1:	Not Applicable
On-site energy recovery method 2:	Not reported
On-site energy recovery method 3:	Not Applicable

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

On-site energy recovery method 4:	Not reported
On-site recycling processes method 1:	Not Applicable
On-site recycling processes method 2:	Not reported
On-site recycling processes method 3:	Not reported
On-site recycling processes method 4:	Not reported
On-site recycling processes method 5:	Not reported
On-site recycling processes method 6:	Not reported
On-site recycling processes method 7:	Not reported
FRS Facility ID:	110038102969
Elemental Metal Included:	NO
Waste Rock Pile managed Indicator:	0
Waste Rock Quantity:	Not reported
Off Site - POTW Releases 81C:	0
Off Site - POTW Releases 81D:	0
Assigned Partial Facility Flag:	NO
Case Number:	7783-06-4
Mixture Name:	NA
Clean Air Act Ind:	YES
Carcinogen Ind:	NO
PFAS Ind:	NO

Chemical Activities and Uses:

Cas number:	0007783064
Document control number:	1321220212068
Chemical name: Hydrogen sulfide	
Classification:	TRI
Unit of measure:	Pounds
Produce the chemical:	Yes
Import the chemical:	No
On-site use of the chemical:	Yes
Sale or distribution of the chemical:	No
As a byproduct:	Yes
As a manufactured impurity:	Yes
Used as a reactant:	Yes
P101 feedstocks:	No
P102 raw materials:	No
P103 intermediates:	Yes
P104 initiators:	No
P199 other:	No
Added as a formulation component:	No
P201 additives:	No
P202 dyes:	No
P203 reaction diluents:	No
P204 initiators:	No
P205 solvents:	No
P206 inhibitors:	No
P207 emulsifiers:	No
P208 surfactants:	No
P209 lubricants:	No
P210 flame retardants:	No
P211 rheological modifiers:	No
P299 other:	No
Used as an article component:	No
Repackaging:	No
As a process impurity:	Yes
Processed / recycling:	No
Used as a chemical processing aid:	No
Z101 process solvents:	No

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Z102 catalysts:	No
Z103 inhibitors:	No
Z104 initiators:	No
Z105 reaction terminators:	No
Z106 solution buffers:	No
Z199 other:	No
Used as a manufacturing aid:	No
Z201 process lubricants:	No
Z202 metalworking fluids:	No
Z203 coolants:	No
Z204 refrigerants:	No
Z205 hydraulic fluids:	No
Z299 other:	No
Ancillary or other use:	No
Z301 cleaner:	No
Z302 degreaser:	No
Z303 lubricant:	No
Z304 fuel:	No
Z305 flame retardant:	No
Z306 waste treatment:	No
Z307 water treatment:	No
Z308 construction materials:	No
Z399 other:	No

Submitted Facility Name:	PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT
Submitted Street:	1520 E SEPULVEDA BLVD
Submitted City:	CARSON
Submitted County:	LOS ANGELES
Submitted State:	CA
Submitted Zip Code:	90745
Submitted BIA Code:	Not reported
Submitted Tribe Name:	Not reported
Submitted Parent Company Name:	PHILLIPS 66 CO
Submitted Parent Company DB Number:	078378508
Submitted Standardized Parent Company Name:	PHILLIPS 66 CO
Submitted Primary NAICS Code:	324110
Submitted Industry Code:	324
Submitted Industry Name:	Petroleum
Industry Code:	324
Industry Name:	Petroleum
Last year the facility reported:	2021
First year the facility reported:	1991
Number of forms submitted:	24
Total number of forms submitted:	715
Assigned Agency:	Not reported

Detailed On-site Waste Treatment Methods and Efficiency:

Cas number:	0007783064
Document control number:	1321220212068
Chemical name: Hydrogen sulfide	
Classification:	TRI
Unit of measure:	Pounds
Stream 1 - waste stream code:	Gaseous (gases, vapors, airborne particulates)
Stream 1 - trtmt method - sequence 1:	Incineration--thermal destruction other than use as a fuel
Stream 1 - trtmt method - sequence 2:	Not reported
Stream 1 - trtmt method - sequence 3:	Not reported
Stream 1 - trtmt method - sequence 4:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Stream 1 - trtmt method - sequence 5:	Not reported
Stream 1 - trtmt method - sequence 6:	Not reported
Stream 1 - trtmt method - sequence 7:	Not reported
Stream 1 - trtmt method - sequence 8:	Not reported
Stream 1 - based on operating data:	NO
Stream 2 - waste stream code:	Gaseous (gases, vapors, airborne particulates)
Stream 2 - trtmt method - sequence 1:	Flare
Stream 2 - trtmt method - sequence 2:	Not reported
Stream 2 - trtmt method - sequence 3:	Not reported
Stream 2 - trtmt method - sequence 4:	Not reported
Stream 2 - trtmt method - sequence 5:	Not reported
Stream 2 - trtmt method - sequence 6:	Not reported
Stream 2 - trtmt method - sequence 7:	Not reported
Stream 2 - trtmt method - sequence 8:	Not reported
Stream 2 - based on operating data:	NO
Stream 3 - waste stream code:	Not reported
Stream 3 - trtmt method - sequence 1:	Not reported
Stream 3 - trtmt method - sequence 2:	Not reported
Stream 3 - trtmt method - sequence 3:	Not reported
Stream 3 - trtmt method - sequence 4:	Not reported
Stream 3 - trtmt method - sequence 5:	Not reported
Stream 3 - trtmt method - sequence 6:	Not reported
Stream 3 - trtmt method - sequence 7:	Not reported
Stream 3 - trtmt method - sequence 8:	Not reported
Stream 3 - based on operating data:	Not reported
Stream 4 - waste stream code:	Not reported
Stream 4 - trtmt method - sequence 1:	Not reported
Stream 4 - trtmt method - sequence 2:	Not reported
Stream 4 - trtmt method - sequence 3:	Not reported
Stream 4 - trtmt method - sequence 4:	Not reported
Stream 4 - trtmt method - sequence 5:	Not reported
Stream 4 - trtmt method - sequence 6:	Not reported
Stream 4 - trtmt method - sequence 7:	Not reported
Stream 4 - trtmt method - sequence 8:	Not reported
Stream 4 - based on operating data:	Not reported
Stream 5 - waste stream code:	Not reported
Stream 5 - trtmt method - sequence 1:	Not reported
Stream 5 - trtmt method - sequence 2:	Not reported
Stream 5 - trtmt method - sequence 3:	Not reported
Stream 5 - trtmt method - sequence 4:	Not reported
Stream 5 - trtmt method - sequence 5:	Not reported
Stream 5 - trtmt method - sequence 6:	Not reported
Stream 5 - trtmt method - sequence 7:	Not reported
Stream 5 - trtmt method - sequence 8:	Not reported
Stream 5 - based on operating data:	Not reported

TRI ID:		90745NCLCR1520E
Cas number:		0000111422
Chemical name:	Diethanolamine	
Classification:		TRI
Unit of measure:		Pounds
Metal ind:		NO
Revision code 1:		Not reported
Revision code 2:		Not reported
Maximum amount on site:		05
Fugitive air emissions - total release pounds:		69

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Fugitive air emissions - total release range code:	Not reported
Total fugitive air emissions:	69
Fugitive air emissions - basis of estimate:	Other
Stack air emissions - release pounds:	0
Stack air emissions - release range code:	Not reported
Total stack air emissions:	0
Stack air emissions - basis of estimate:	Other
Total air emissions:	69
Discharges to stream a - stream name:	NA
Total discharges to stream a:	0
Discharges to stream a - basis of estimate:	Not reported
Discharges to stream a - % from stormwater:	Not reported
Discharges to stream b - stream name:	Not reported
Total discharges to stream b:	Not reported
Discharges to stream b - basis of estimate:	Not reported
Discharges to stream b - % from stormwater:	Not reported
Discharges to stream c - stream name:	Not reported
Total discharges to stream c:	Not reported
Discharges to stream c - basis of estimate:	Not reported
Discharges to stream c - % from stormwater:	Not reported
Discharges to stream d - stream name:	Not reported
Total discharges to stream d:	Not reported
Discharges to stream d - basis of estimate:	Not reported
Discharges to stream d - % from stormwater:	Not reported
Discharges to stream e - stream name:	Not reported
Total discharges to stream e:	Not reported
Discharges to stream e - basis of estimate:	Not reported
Discharges to stream e - % from stormwater:	Not reported
Discharges to stream f - stream name:	Not reported
Total discharges to stream f:	Not reported
Discharges to stream f - basis of estimate:	Not reported
Discharges to stream f - % from stormwater:	Not reported
Discharges to stream g - stream name:	Not reported
Total discharges to stream g:	Not reported
Discharges to stream g - basis of estimate:	Not reported
Discharges to stream g - % from stormwater:	Not reported
Total number of receiving streams:	0
Total surface water discharge:	0
Total on-site underground inj - pounds:	Not reported
On-site underground inj - basis of estimate:	Not reported
Total on-site ugrnd inj to cl i wells - pounds:	0
On-site underground inj to c1 i wells - basis of estimate:	Not reported
Total on-site ugrnd inj to cl ii-v wells - pounds:	0
On-site ungrnd inj to cl ii-v wells - basis of estimate:	Not reported
Total on-site underground injection:	0
Total on-site landfills:	Not reported
On-site landfills - basis of estimate:	Not reported
Total on-site RCRA subtitle c landfills:	0
On-site RCRA subtitle c landfills - basis of estimate:	Not reported
Total other on-site landfills:	0
Other landfills - basis of estimate:	Not reported
Total on-site land treatment:	0
Land trtmt/appl farming - basis of estimate:	Not reported
Total surface impoundments:	Not reported
Surface impoundment - basis of estimate:	Not reported
Total RCRA c surface impoundments:	0
RCRA c Surface impoundment - basis of estimate:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Total other surface impoundments:	0
Other surface impoundment - basis of estimate:	Not reported
Total other disposal:	0
Other disposal - basis of estimate:	Other
Total on-site land releases:	0
Total on-site releases:	69
Off-site - POTW releases:	6080
Off-site - storage only:	0
Off-site - solid/stab - metals:	0
Off-site - wastewater treatment release - metals:	0
Off-site - solid/stab - release - metals:	0
Off-site - wastewater treatment - metals:	0
Off-site - underground injection:	0
Off-site - underground injection - class 1 wells:	0
Off-site - underground injection - class ii-v wells:	0
Off-site - landfills/disposal surface impoundments:	0
Off-site - surface impoundment:	0
Off-site - RCRA subtitle c surface impoundments:	0
Off-site - other surface impoundments:	0
Off-site - other landfills:	0
Off-site - RCRA subtitle c landfills:	0
Off-site - disposal - land treatment:	0
Off-site - disposal - other land disposal:	0
Off-site - disposal - other off-site management:	0
Off-site - disposal - transfer to waste broker:	0
Off-site - disposal - unknown:	0
Total transferred off site for disposal:	6080
Off-site - recycling - solvents/organics recovery:	0
Off-site - recycling -metals recovery:	0
Off-site - recycling - other reuse or recovery:	0
Off-site - recycling - acid regeneration:	0
Off-site - recycling - transfer to waste broker:	0
Total transferred off site for recycling:	0
Off-site - energy recovery:	0
Off-site - transfer to waste broker for energy recovery:	0
Total transferred off site for energy recovery:	0
Off-site - POTW treatment:	69920
Off-site - solid/stab treatment - non metals:	0
Off-site -incineration/thermal treatment:	0
Off-site - incineration/insignificant heat value:	0
Off-site - wastewater treatment - non-metals:	0
Off-site - other waste treatment:	0
Off-site - transfer to waste broker - waste treatment:	0
Total transferred off site for treatment:	69920
Off-site - transfer to waste broker:	0
Total transferred off site for further waste management:	76000
Total POTW transfer:	76000
Energy recovery on site current year:	0
Recycled on site current year:	0
Treated on site current year:	0
Total on-site waste management:	0
On-site energy recovery method 1:	Not Applicable
On-site energy recovery method 2:	Not reported
On-site energy recovery method 3:	Not Applicable
On-site energy recovery method 4:	Not reported
On-site recycling processes method 1:	Not Applicable
On-site recycling processes method 2:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

On-site recycling processes method 3:	Not reported
On-site recycling processes method 4:	Not reported
On-site recycling processes method 5:	Not reported
On-site recycling processes method 6:	Not reported
On-site recycling processes method 7:	Not reported
FRS Facility ID:	110038102969
Elemental Metal Included:	NO
Waste Rock Pile managed Indicator:	0
Waste Rock Quantity:	Not reported
Off Site - POTW Releases 81C:	0
Off Site - POTW Releases 81D:	6080
Assigned Partial Facility Flag:	NO
Case Number:	111-42-2
Mixture Name:	NA
Clean Air Act Ind:	YES
Carcinogen Ind:	NO
PFAS Ind:	NO

Chemical Activities and Uses:

Cas number:	0000111422
Document control number:	1321220212031
Chemical name: Diethanolamine	
Classification:	TRI
Unit of measure:	Pounds
Produce the chemical:	No
Import the chemical:	No
On-site use of the chemical:	No
Sale or distribution of the chemical:	No
As a byproduct:	No
As a manufactured impurity:	No
Used as a reactant:	No
P101 feedstocks:	No
P102 raw materials:	No
P103 intermediates:	No
P104 initiators:	No
P199 other:	No
Added as a formulation component:	No
P201 additives:	No
P202 dyes:	No
P203 reaction diluents:	No
P204 initiators:	No
P205 solvents:	No
P206 inhibitors:	No
P207 emulsifiers:	No
P208 surfactants:	No
P209 lubricants:	No
P210 flame retardants:	No
P211 rheological modifiers:	No
P299 other:	No
Used as an article component:	No
Repackaging:	No
As a process impurity:	No
Processed / recycling:	No
Used as a chemical processing aid:	Yes
Z101 process solvents:	Yes
Z102 catalysts:	No
Z103 inhibitors:	No
Z104 initiators:	No

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Z105 reaction terminators:	No
Z106 solution buffers:	No
Z199 other:	No
Used as a manufacturing aid:	No
Z201 process lubricants:	No
Z202 metalworking fluids:	No
Z203 coolants:	No
Z204 refrigerants:	No
Z205 hydraulic fluids:	No
Z299 other:	No
Ancillary or other use:	No
Z301 cleaner:	No
Z302 degreaser:	No
Z303 lubricant:	No
Z304 fuel:	No
Z305 flame retardant:	No
Z306 waste treatment:	No
Z307 water treatment:	No
Z308 construction materials:	No
Z399 other:	No

Submitted Facility Name:	PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT
Submitted Street:	1520 E SEPULVEDA BLVD
Submitted City:	CARSON
Submitted County:	LOS ANGELES
Submitted State:	CA
Submitted Zip Code:	90745
Submitted BIA Code:	Not reported
Submitted Tribe Name:	Not reported
Submitted Parent Company Name:	PHILLIPS 66 CO
Submitted Parent Company DB Number:	078378508
Submitted Standardized Parent Company Name:	PHILLIPS 66 CO
Submitted Primary NAICS Code:	324110
Submitted Industry Code:	324
Submitted Industry Name:	Petroleum
Industry Code:	324
Industry Name:	Petroleum
Last year the facility reported:	2021
First year the facility reported:	1991
Number of forms submitted:	24
Total number of forms submitted:	715
Assigned Agency:	Not reported

Detailed On-site Waste Treatment Methods and Efficiency:

Cas number:	0000111422
Document control number:	1321220212031
Chemical name: Diethanolamine	
Classification:	TRI
Unit of measure:	Pounds
Stream 1 - waste stream code:	NA
Stream 1 - trtmt method - sequence 1:	Not reported
Stream 1 - trtmt method - sequence 2:	Not reported
Stream 1 - trtmt method - sequence 3:	Not reported
Stream 1 - trtmt method - sequence 4:	Not reported
Stream 1 - trtmt method - sequence 5:	Not reported
Stream 1 - trtmt method - sequence 6:	Not reported
Stream 1 - trtmt method - sequence 7:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Stream 1 - trtmt method - sequence 8:	Not reported
Stream 1 - based on operating data:	Not reported
Stream 2 - waste stream code:	Not reported
Stream 2 - trtmt method - sequence 1:	Not reported
Stream 2 - trtmt method - sequence 2:	Not reported
Stream 2 - trtmt method - sequence 3:	Not reported
Stream 2 - trtmt method - sequence 4:	Not reported
Stream 2 - trtmt method - sequence 5:	Not reported
Stream 2 - trtmt method - sequence 6:	Not reported
Stream 2 - trtmt method - sequence 7:	Not reported
Stream 2 - trtmt method - sequence 8:	Not reported
Stream 2 - based on operating data:	Not reported
Stream 3 - waste stream code:	Not reported
Stream 3 - trtmt method - sequence 1:	Not reported
Stream 3 - trtmt method - sequence 2:	Not reported
Stream 3 - trtmt method - sequence 3:	Not reported
Stream 3 - trtmt method - sequence 4:	Not reported
Stream 3 - trtmt method - sequence 5:	Not reported
Stream 3 - trtmt method - sequence 6:	Not reported
Stream 3 - trtmt method - sequence 7:	Not reported
Stream 3 - trtmt method - sequence 8:	Not reported
Stream 3 - based on operating data:	Not reported
Stream 4 - waste stream code:	Not reported
Stream 4 - trtmt method - sequence 1:	Not reported
Stream 4 - trtmt method - sequence 2:	Not reported
Stream 4 - trtmt method - sequence 3:	Not reported
Stream 4 - trtmt method - sequence 4:	Not reported
Stream 4 - trtmt method - sequence 5:	Not reported
Stream 4 - trtmt method - sequence 6:	Not reported
Stream 4 - trtmt method - sequence 7:	Not reported
Stream 4 - trtmt method - sequence 8:	Not reported
Stream 4 - based on operating data:	Not reported
Stream 5 - waste stream code:	Not reported
Stream 5 - trtmt method - sequence 1:	Not reported
Stream 5 - trtmt method - sequence 2:	Not reported
Stream 5 - trtmt method - sequence 3:	Not reported
Stream 5 - trtmt method - sequence 4:	Not reported
Stream 5 - trtmt method - sequence 5:	Not reported
Stream 5 - trtmt method - sequence 6:	Not reported
Stream 5 - trtmt method - sequence 7:	Not reported
Stream 5 - trtmt method - sequence 8:	Not reported
Stream 5 - based on operating data:	Not reported

TRI ID:		90745NCLCR1520E
Cas number:		0000074851
Chemical name:	Ethylene	
Classification:		TRI
Unit of measure:		Pounds
Metal ind:		NO
Revision code 1:		Not reported
Revision code 2:		Not reported
Maximum amount on site:		05
Fugitive air emissions - total release pounds:		280
Fugitive air emissions - total release range code:		Not reported
Total fugitive air emissions:		280
Fugitive air emissions - basis of estimate:		Other

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Stack air emissions - release pounds:	3
Stack air emissions - release range code:	Not reported
Total stack air emissions:	3
Stack air emissions - basis of estimate:	Periodic/Random Monotoning Data
Total air emissions:	283
Discharges to stream a - stream name:	NA
Total discharges to stream a:	0
Discharges to stream a - basis of estimate:	Not reported
Discharges to stream a - % from stormwater:	Not reported
Discharges to stream b - stream name:	Not reported
Total discharges to stream b:	Not reported
Discharges to stream b - basis of estimate:	Not reported
Discharges to stream b - % from stormwater:	Not reported
Discharges to stream c - stream name:	Not reported
Total discharges to stream c:	Not reported
Discharges to stream c - basis of estimate:	Not reported
Discharges to stream c - % from stormwater:	Not reported
Discharges to stream d - stream name:	Not reported
Total discharges to stream d:	Not reported
Discharges to stream d - basis of estimate:	Not reported
Discharges to stream d - % from stormwater:	Not reported
Discharges to stream e - stream name:	Not reported
Total discharges to stream e:	Not reported
Discharges to stream e - basis of estimate:	Not reported
Discharges to stream e - % from stormwater:	Not reported
Discharges to stream f - stream name:	Not reported
Total discharges to stream f:	Not reported
Discharges to stream f - basis of estimate:	Not reported
Discharges to stream f - % from stormwater:	Not reported
Discharges to stream g - stream name:	Not reported
Total discharges to stream g:	Not reported
Discharges to stream g - basis of estimate:	Not reported
Discharges to stream g - % from stormwater:	Not reported
Total number of receiving streams:	0
Total surface water discharge:	0
Total on-site underground inj - pounds:	Not reported
On-site underground inj - basis of estimate:	Not reported
Total on-site ugrnd inj to cl i wells - pounds:	0
On-site underground inj to c1 i wells - basis of estimate:	Not reported
Total on-site ugrnd inj to cl ii-v wells - pounds:	0
On-site ungrnd inj to cl ii-v wells - basis of estimate:	Not reported
Total on-site underground injection:	0
Total on-site landfills:	Not reported
On-site landfills - basis of estimate:	Not reported
Total on-site RCRA subtitle c landfills:	0
On-site RCRA subtitle c landfills - basis of estimate:	Not reported
Total other on-site landfills:	0
Other landfills - basis of estimate:	Not reported
Total on-site land treatment:	0
Land trtmt/appl farming - basis of estimate:	Not reported
Total surface impoundments:	Not reported
Surface impoundment - basis of estimate:	Not reported
Total RCRA c surface impoundments:	0
RCRA c Surface impoundment - basis of estimate:	Not reported
Total other surface impoundments:	0
Other surface impoundment - basis of estimate:	Not reported
Total other disposal:	0

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Other disposal - basis of estimate:	Not reported
Total on-site land releases:	0
Total on-site releases:	283
Off-site - POTW releases:	0
Off-site - storage only:	0
Off-site - solid/stab - metals:	0
Off-site - wastewater treatment release - metals:	0
Off-site - solid/stab - release - metals:	0
Off-site - wastewater treatment - metals:	0
Off-site - underground injection:	0
Off-site - underground injection - class 1 wells:	0
Off-site - underground injection - class ii-v wells:	0
Off-site - landfills/disposal surface impoundments:	0
Off-site - surface impoundment:	0
Off-site - RCRA subtitle c surface impoundments:	0
Off-site - other surface impoundments:	0
Off-site - other landfills:	0
Off-site - RCRA subtitle c landfills:	0
Off-site - disposal - land treatment:	0
Off-site - disposal - other land disposal:	0
Off-site - disposal - other off-site management:	0
Off-site - disposal - transfer to waste broker:	0
Off-site - disposal - unknown:	0
Total transferred off site for disposal:	0
Off-site - recycling - solvents/organics recovery:	0
Off-site - recycling -metals recovery:	0
Off-site - recycling - other reuse or recovery:	0
Off-site - recycling - acid regeneration:	0
Off-site - recycling - transfer to waste broker:	0
Total transferred off site for recycling:	0
Off-site - energy recovery:	0
Off-site - transfer to waste broker for energy recovery:	0
Total transferred off site for energy recovery:	0
Off-site - POTW treatment:	0
Off-site - solid/stab treatment - non metals:	0
Off-site -incineration/thermal treatment:	0
Off-site - incineration/insignificant heat value:	0
Off-site - wastewater treatment - non-metals:	0
Off-site - other waste treatment:	0
Off-site - transfer to waste broker - waste treatment:	0
Total transferred off site for treatment:	0
Off-site - transfer to waste broker:	0
Total transferred off site for further waste management:	0
Total POTW transfer:	0
Energy recovery on site current year:	0
Recycled on site current year:	0
Treated on site current year:	260
Total on-site waste management:	260
On-site energy recovery method 1:	Not Applicable
On-site energy recovery method 2:	Not reported
On-site energy recovery method 3:	Not Applicable
On-site energy recovery method 4:	Not reported
On-site recycling processes method 1:	Not Applicable
On-site recycling processes method 2:	Not reported
On-site recycling processes method 3:	Not reported
On-site recycling processes method 4:	Not reported
On-site recycling processes method 5:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

On-site recycling processes method 6:	Not reported
On-site recycling processes method 7:	Not reported
FRS Facility ID:	110038102969
Elemental Metal Included:	NO
Waste Rock Pile managed Indicator:	0
Waste Rock Quantity:	Not reported
Off Site - POTW Releases 81C:	0
Off Site - POTW Releases 81D:	0
Assigned Partial Facility Flag:	NO
Case Number:	74-85-1
Mixture Name:	NA
Clean Air Act Ind:	NO
Carcinogen Ind:	NO
PFAS Ind:	NO

Chemical Activities and Uses:

Cas number:	0000074851
Document control number:	1321220212056
Chemical name: Ethylene	
Classification:	TRI
Unit of measure:	Pounds
Produce the chemical:	Yes
Import the chemical:	No
On-site use of the chemical:	Yes
Sale or distribution of the chemical:	No
As a byproduct:	No
As a manufactured impurity:	No
Used as a reactant:	No
P101 feedstocks:	No
P102 raw materials:	No
P103 intermediates:	No
P104 initiators:	No
P199 other:	No
Added as a formulation component:	No
P201 additives:	No
P202 dyes:	No
P203 reaction diluents:	No
P204 initiators:	No
P205 solvents:	No
P206 inhibitors:	No
P207 emulsifiers:	No
P208 surfactants:	No
P209 lubricants:	No
P210 flame retardants:	No
P211 rheological modifiers:	No
P299 other:	No
Used as an article component:	No
Repackaging:	No
As a process impurity:	No
Processed / recycling:	No
Used as a chemical processing aid:	No
Z101 process solvents:	No
Z102 catalysts:	No
Z103 inhibitors:	No
Z104 initiators:	No
Z105 reaction terminators:	No
Z106 solution buffers:	No
Z199 other:	No

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Used as a manufacturing aid:	No
Z201 process lubricants:	No
Z202 metalworking fluids:	No
Z203 coolants:	No
Z204 refrigerants:	No
Z205 hydraulic fluids:	No
Z299 other:	No
Ancillary or other use:	Yes
Z301 cleaner:	No
Z302 degreaser:	No
Z303 lubricant:	No
Z304 fuel:	Yes
Z305 flame retardant:	No
Z306 waste treatment:	No
Z307 water treatment:	No
Z308 construction materials:	No
Z399 other:	No

Submitted Facility Name:	PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT
Submitted Street:	1520 E SEPULVEDA BLVD
Submitted City:	CARSON
Submitted County:	LOS ANGELES
Submitted State:	CA
Submitted Zip Code:	90745
Submitted BIA Code:	Not reported
Submitted Tribe Name:	Not reported
Submitted Parent Company Name:	PHILLIPS 66 CO
Submitted Parent Company DB Number:	078378508
Submitted Standardized Parent Company Name:	PHILLIPS 66 CO
Submitted Primary NAICS Code:	324110
Submitted Industry Code:	324
Submitted Industry Name:	Petroleum
Industry Code:	324
Industry Name:	Petroleum
Last year the facility reported:	2021
First year the facility reported:	1991
Number of forms submitted:	24
Total number of forms submitted:	715
Assigned Agency:	Not reported

Detailed On-site Waste Treatment Methods and Efficiency:

Cas number:	0000074851
Document control number:	1321220212056
Chemical name: Ethylene	
Classification:	TRI
Unit of measure:	Pounds
Stream 1 - waste stream code:	Gaseous (gases, vapors, airborne particulates)
Stream 1 - trtmt method - sequence 1:	Flare
Stream 1 - trtmt method - sequence 2:	Not reported
Stream 1 - trtmt method - sequence 3:	Not reported
Stream 1 - trtmt method - sequence 4:	Not reported
Stream 1 - trtmt method - sequence 5:	Not reported
Stream 1 - trtmt method - sequence 6:	Not reported
Stream 1 - trtmt method - sequence 7:	Not reported
Stream 1 - trtmt method - sequence 8:	Not reported
Stream 1 - based on operating data:	NO
Stream 2 - waste stream code:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Stream 2 - trtmt method - sequence 1:	Not reported
Stream 2 - trtmt method - sequence 2:	Not reported
Stream 2 - trtmt method - sequence 3:	Not reported
Stream 2 - trtmt method - sequence 4:	Not reported
Stream 2 - trtmt method - sequence 5:	Not reported
Stream 2 - trtmt method - sequence 6:	Not reported
Stream 2 - trtmt method - sequence 7:	Not reported
Stream 2 - trtmt method - sequence 8:	Not reported
Stream 2 - based on operating data:	Not reported
Stream 3 - waste stream code:	Not reported
Stream 3 - trtmt method - sequence 1:	Not reported
Stream 3 - trtmt method - sequence 2:	Not reported
Stream 3 - trtmt method - sequence 3:	Not reported
Stream 3 - trtmt method - sequence 4:	Not reported
Stream 3 - trtmt method - sequence 5:	Not reported
Stream 3 - trtmt method - sequence 6:	Not reported
Stream 3 - trtmt method - sequence 7:	Not reported
Stream 3 - trtmt method - sequence 8:	Not reported
Stream 3 - based on operating data:	Not reported
Stream 4 - waste stream code:	Not reported
Stream 4 - trtmt method - sequence 1:	Not reported
Stream 4 - trtmt method - sequence 2:	Not reported
Stream 4 - trtmt method - sequence 3:	Not reported
Stream 4 - trtmt method - sequence 4:	Not reported
Stream 4 - trtmt method - sequence 5:	Not reported
Stream 4 - trtmt method - sequence 6:	Not reported
Stream 4 - trtmt method - sequence 7:	Not reported
Stream 4 - trtmt method - sequence 8:	Not reported
Stream 4 - based on operating data:	Not reported
Stream 5 - waste stream code:	Not reported
Stream 5 - trtmt method - sequence 1:	Not reported
Stream 5 - trtmt method - sequence 2:	Not reported
Stream 5 - trtmt method - sequence 3:	Not reported
Stream 5 - trtmt method - sequence 4:	Not reported
Stream 5 - trtmt method - sequence 5:	Not reported
Stream 5 - trtmt method - sequence 6:	Not reported
Stream 5 - trtmt method - sequence 7:	Not reported
Stream 5 - trtmt method - sequence 8:	Not reported
Stream 5 - based on operating data:	Not reported

TRI ID:		90745NCLCR1520E
Cas number:		0000108952
Chemical name:	Phenol	
Classification:		TRI
Unit of measure:		Pounds
Metal ind:		NO
Revision code 1:		Not reported
Revision code 2:		Not reported
Maximum amount on site:		03
Fugitive air emissions - total release pounds:		1
Fugitive air emissions - total release range code:		Not reported
Total fugitive air emissions:		1
Fugitive air emissions - basis of estimate:		Other
Stack air emissions - release pounds:		94
Stack air emissions - release range code:		Not reported
Total stack air emissions:		94

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Stack air emissions - basis of estimate:	Other
Total air emissions:	95
Discharges to stream a - stream name:	NA
Total discharges to stream a:	0
Discharges to stream a - basis of estimate:	Not reported
Discharges to stream a - % from stormwater:	Not reported
Discharges to stream b - stream name:	Not reported
Total discharges to stream b:	Not reported
Discharges to stream b - basis of estimate:	Not reported
Discharges to stream b - % from stormwater:	Not reported
Discharges to stream c - stream name:	Not reported
Total discharges to stream c:	Not reported
Discharges to stream c - basis of estimate:	Not reported
Discharges to stream c - % from stormwater:	Not reported
Discharges to stream d - stream name:	Not reported
Total discharges to stream d:	Not reported
Discharges to stream d - basis of estimate:	Not reported
Discharges to stream d - % from stormwater:	Not reported
Discharges to stream e - stream name:	Not reported
Total discharges to stream e:	Not reported
Discharges to stream e - basis of estimate:	Not reported
Discharges to stream e - % from stormwater:	Not reported
Discharges to stream f - stream name:	Not reported
Total discharges to stream f:	Not reported
Discharges to stream f - basis of estimate:	Not reported
Discharges to stream f - % from stormwater:	Not reported
Discharges to stream g - stream name:	Not reported
Total discharges to stream g:	Not reported
Discharges to stream g - basis of estimate:	Not reported
Discharges to stream g - % from stormwater:	Not reported
Total number of receiving streams:	0
Total surface water discharge:	0
Total on-site underground inj - pounds:	Not reported
On-site underground inj - basis of estimate:	Not reported
Total on-site ugrnd inj to cl i wells - pounds:	0
On-site underground inj to c1 i wells - basis of estimate:	Not reported
Total on-site ugrnd inj to cl ii-v wells - pounds:	0
On-site ungrnd inj to cl ii-v wells - basis of estimate:	Not reported
Total on-site underground injection:	0
Total on-site landfills:	Not reported
On-site landfills - basis of estimate:	Not reported
Total on-site RCRA subtitle c landfills:	0
On-site RCRA subtitle c landfills - basis of estimate:	Not reported
Total other on-site landfills:	0
Other landfills - basis of estimate:	Not reported
Total on-site land treatment:	0
Land trtmt/appl farming - basis of estimate:	Not reported
Total surface impoundments:	Not reported
Surface impoundment - basis of estimate:	Not reported
Total RCRA c surface impoundments:	0
RCRA c Surface impoundment - basis of estimate:	Not reported
Total other surface impoundments:	0
Other surface impoundment - basis of estimate:	Not reported
Total other disposal:	0
Other disposal - basis of estimate:	Other
Total on-site land releases:	0
Total on-site releases:	95

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Off-site - POTW releases:	4400
Off-site - storage only:	0
Off-site - solid/stab - metals:	0
Off-site - wastewater treatment release - metals:	0
Off-site - solid/stab - release - metals:	0
Off-site - wastewater treatment - metals:	0
Off-site - underground injection:	0
Off-site - underground injection - class 1 wells:	0
Off-site - underground injection - class ii-v wells:	0
Off-site - landfills/disposal surface impoundments:	0
Off-site - surface impoundment:	0
Off-site - RCRA subtitle c surface impoundments:	0
Off-site - other surface impoundments:	0
Off-site - other landfills:	0
Off-site - RCRA subtitle c landfills:	0
Off-site - disposal - land treatment:	0
Off-site - disposal - other land disposal:	0
Off-site - disposal - other off-site management:	0
Off-site - disposal - transfer to waste broker:	0
Off-site - disposal - unknown:	0
Total transferred off site for disposal:	4400
Off-site - recycling - solvents/organics recovery:	0
Off-site - recycling -metals recovery:	0
Off-site - recycling - other reuse or recovery:	0
Off-site - recycling - acid regeneration:	0
Off-site - recycling - transfer to waste broker:	0
Total transferred off site for recycling:	0
Off-site - energy recovery:	0
Off-site - transfer to waste broker for energy recovery:	0
Total transferred off site for energy recovery:	0
Off-site - POTW treatment:	50600
Off-site - solid/stab treatment - non metals:	0
Off-site -incineration/thermal treatment:	0
Off-site - incineration/insignificant heat value:	0
Off-site - wastewater treatment - non-metals:	0
Off-site - other waste treatment:	0
Off-site - transfer to waste broker - waste treatment:	0
Total transferred off site for treatment:	50600
Off-site - transfer to waste broker:	0
Total transferred off site for further waste management:	55000
Total POTW transfer:	55000
Energy recovery on site current year:	0
Recycled on site current year:	0
Treated on site current year:	0
Total on-site waste management:	0
On-site energy recovery method 1:	Not Applicable
On-site energy recovery method 2:	Not reported
On-site energy recovery method 3:	Not Applicable
On-site energy recovery method 4:	Not reported
On-site recycling processes method 1:	Not Applicable
On-site recycling processes method 2:	Not reported
On-site recycling processes method 3:	Not reported
On-site recycling processes method 4:	Not reported
On-site recycling processes method 5:	Not reported
On-site recycling processes method 6:	Not reported
On-site recycling processes method 7:	Not reported
FRS Facility ID:	110038102969

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Elemental Metal Included:	NO
Waste Rock Pile managed Indicator:	0
Waste Rock Quantity:	Not reported
Off Site - POTW Releases 81C:	0
Off Site - POTW Releases 81D:	4400
Assigned Partial Facility Flag:	NO
Case Number:	108-95-2
Mixture Name:	NA
Clean Air Act Ind:	YES
Carcinogen Ind:	NO
PFAS Ind:	NO

Chemical Activities and Uses:

Cas number:	0000108952
Document control number:	1321220212132
Chemical name: Phenol	
Classification:	TRI
Unit of measure:	Pounds
Produce the chemical:	Yes
Import the chemical:	Yes
On-site use of the chemical:	No
Sale or distribution of the chemical:	No
As a byproduct:	No
As a manufactured impurity:	Yes
Used as a reactant:	No
P101 feedstocks:	No
P102 raw materials:	No
P103 intermediates:	No
P104 initiators:	No
P199 other:	No
Added as a formulation component:	No
P201 additives:	No
P202 dyes:	No
P203 reaction diluents:	No
P204 initiators:	No
P205 solvents:	No
P206 inhibitors:	No
P207 emulsifiers:	No
P208 surfactants:	No
P209 lubricants:	No
P210 flame retardants:	No
P211 rheological modifiers:	No
P299 other:	No
Used as an article component:	No
Repackaging:	No
As a process impurity:	Yes
Processed / recycling:	No
Used as a chemical processing aid:	No
Z101 process solvents:	No
Z102 catalysts:	No
Z103 inhibitors:	No
Z104 initiators:	No
Z105 reaction terminators:	No
Z106 solution buffers:	No
Z199 other:	No
Used as a manufacturing aid:	No
Z201 process lubricants:	No
Z202 metalworking fluids:	No

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Z203 coolants:	No
Z204 refrigerants:	No
Z205 hydraulic fluids:	No
Z299 other:	No
Ancillary or other use:	No
Z301 cleaner:	No
Z302 degreaser:	No
Z303 lubricant:	No
Z304 fuel:	No
Z305 flame retardant:	No
Z306 waste treatment:	No
Z307 water treatment:	No
Z308 construction materials:	No
Z399 other:	No

Submitted Facility Name:	PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT
Submitted Street:	1520 E SEPULVEDA BLVD
Submitted City:	CARSON
Submitted County:	LOS ANGELES
Submitted State:	CA
Submitted Zip Code:	90745
Submitted BIA Code:	Not reported
Submitted Tribe Name:	Not reported
Submitted Parent Company Name:	PHILLIPS 66 CO
Submitted Parent Company DB Number:	078378508
Submitted Standardized Parent Company Name:	PHILLIPS 66 CO
Submitted Primary NAICS Code:	324110
Submitted Industry Code:	324
Submitted Industry Name:	Petroleum
Industry Code:	324
Industry Name:	Petroleum
Last year the facility reported:	2021
First year the facility reported:	1991
Number of forms submitted:	24
Total number of forms submitted:	715
Assigned Agency:	Not reported

Detailed On-site Waste Treatment Methods and Efficiency:

Cas number:	0000108952
Document control number:	1321220212132
Chemical name: Phenol	
Classification:	TRI
Unit of measure:	Pounds
Stream 1 - waste stream code:	NA
Stream 1 - trtmt method - sequence 1:	Not reported
Stream 1 - trtmt method - sequence 2:	Not reported
Stream 1 - trtmt method - sequence 3:	Not reported
Stream 1 - trtmt method - sequence 4:	Not reported
Stream 1 - trtmt method - sequence 5:	Not reported
Stream 1 - trtmt method - sequence 6:	Not reported
Stream 1 - trtmt method - sequence 7:	Not reported
Stream 1 - trtmt method - sequence 8:	Not reported
Stream 1 - based on operating data:	Not reported
Stream 2 - waste stream code:	Not reported
Stream 2 - trtmt method - sequence 1:	Not reported
Stream 2 - trtmt method - sequence 2:	Not reported
Stream 2 - trtmt method - sequence 3:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Stream 2 - trtmt method - sequence 4:	Not reported
Stream 2 - trtmt method - sequence 5:	Not reported
Stream 2 - trtmt method - sequence 6:	Not reported
Stream 2 - trtmt method - sequence 7:	Not reported
Stream 2 - trtmt method - sequence 8:	Not reported
Stream 2 - based on operating data:	Not reported
Stream 3 - waste stream code:	Not reported
Stream 3 - trtmt method - sequence 1:	Not reported
Stream 3 - trtmt method - sequence 2:	Not reported
Stream 3 - trtmt method - sequence 3:	Not reported
Stream 3 - trtmt method - sequence 4:	Not reported
Stream 3 - trtmt method - sequence 5:	Not reported
Stream 3 - trtmt method - sequence 6:	Not reported
Stream 3 - trtmt method - sequence 7:	Not reported
Stream 3 - trtmt method - sequence 8:	Not reported
Stream 3 - based on operating data:	Not reported
Stream 4 - waste stream code:	Not reported
Stream 4 - trtmt method - sequence 1:	Not reported
Stream 4 - trtmt method - sequence 2:	Not reported
Stream 4 - trtmt method - sequence 3:	Not reported
Stream 4 - trtmt method - sequence 4:	Not reported
Stream 4 - trtmt method - sequence 5:	Not reported
Stream 4 - trtmt method - sequence 6:	Not reported
Stream 4 - trtmt method - sequence 7:	Not reported
Stream 4 - trtmt method - sequence 8:	Not reported
Stream 4 - based on operating data:	Not reported
Stream 5 - waste stream code:	Not reported
Stream 5 - trtmt method - sequence 1:	Not reported
Stream 5 - trtmt method - sequence 2:	Not reported
Stream 5 - trtmt method - sequence 3:	Not reported
Stream 5 - trtmt method - sequence 4:	Not reported
Stream 5 - trtmt method - sequence 5:	Not reported
Stream 5 - trtmt method - sequence 6:	Not reported
Stream 5 - trtmt method - sequence 7:	Not reported
Stream 5 - trtmt method - sequence 8:	Not reported
Stream 5 - based on operating data:	Not reported

TRI ID:		90745NCLCR1520E
Cas number:		0000110827
Chemical name:	Cyclohexane	
Classification:		TRI
Unit of measure:		Pounds
Metal ind:		NO
Revision code 1:		Not reported
Revision code 2:		Not reported
Maximum amount on site:		07
Fugitive air emissions - total release pounds:		170
Fugitive air emissions - total release range code:		Not reported
Total fugitive air emissions:		170
Fugitive air emissions - basis of estimate:		Other
Stack air emissions - release pounds:		370
Stack air emissions - release range code:		Not reported
Total stack air emissions:		370
Stack air emissions - basis of estimate:		Other
Total air emissions:		540
Discharges to stream a - stream name:		NA

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Total discharges to stream a:	0
Discharges to stream a - basis of estimate:	Not reported
Discharges to stream a - % from stormwater:	Not reported
Discharges to stream b - stream name:	Not reported
Total discharges to stream b:	Not reported
Discharges to stream b - basis of estimate:	Not reported
Discharges to stream b - % from stormwater:	Not reported
Discharges to stream c - stream name:	Not reported
Total discharges to stream c:	Not reported
Discharges to stream c - basis of estimate:	Not reported
Discharges to stream c - % from stormwater:	Not reported
Discharges to stream d - stream name:	Not reported
Total discharges to stream d:	Not reported
Discharges to stream d - basis of estimate:	Not reported
Discharges to stream d - % from stormwater:	Not reported
Discharges to stream e - stream name:	Not reported
Total discharges to stream e:	Not reported
Discharges to stream e - basis of estimate:	Not reported
Discharges to stream e - % from stormwater:	Not reported
Discharges to stream f - stream name:	Not reported
Total discharges to stream f:	Not reported
Discharges to stream f - basis of estimate:	Not reported
Discharges to stream f - % from stormwater:	Not reported
Discharges to stream g - stream name:	Not reported
Total discharges to stream g:	Not reported
Discharges to stream g - basis of estimate:	Not reported
Discharges to stream g - % from stormwater:	Not reported
Total number of receiving streams:	0
Total surface water discharge:	0
Total on-site underground inj - pounds:	Not reported
On-site underground inj - basis of estimate:	Not reported
Total on-site ugrnd inj to cl i wells - pounds:	0
On-site underground inj to c1 i wells - basis of estimate:	Not reported
Total on-site ugrnd inj to cl ii-v wells - pounds:	0
On-site ungrnd inj to cl ii-v wells - basis of estimate:	Not reported
Total on-site underground injection:	0
Total on-site landfills:	Not reported
On-site landfills - basis of estimate:	Not reported
Total on-site RCRA subtitle c landfills:	0
On-site RCRA subtitle c landfills - basis of estimate:	Not reported
Total other on-site landfills:	0
Other landfills - basis of estimate:	Not reported
Total on-site land treatment:	0
Land trtmt/appl farming - basis of estimate:	Not reported
Total surface impoundments:	Not reported
Surface impoundment - basis of estimate:	Not reported
Total RCRA c surface impoundments:	0
RCRA c Surface impoundment - basis of estimate:	Not reported
Total other surface impoundments:	0
Other surface impoundment - basis of estimate:	Not reported
Total other disposal:	0
Other disposal - basis of estimate:	Other
Total on-site land releases:	0
Total on-site releases:	540
Off-site - POTW releases:	0
Off-site - storage only:	0
Off-site - solid/stab - metals:	0

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Off-site - wastewater treatment release - metals:	0
Off-site - solid/stab - release - metals:	0
Off-site - wastewater treatment - metals:	0
Off-site - underground injection:	0
Off-site - underground injection - class 1 wells:	0
Off-site - underground injection - class ii-v wells:	0
Off-site - landfills/disposal surface impoundments:	0
Off-site - surface impoundment:	0
Off-site - RCRA subtitle c surface impoundments:	0
Off-site - other surface impoundments:	0
Off-site - other landfills:	0
Off-site - RCRA subtitle c landfills:	0
Off-site - disposal - land treatment:	0
Off-site - disposal - other land disposal:	0
Off-site - disposal - other off-site management:	0
Off-site - disposal - transfer to waste broker:	0
Off-site - disposal - unknown:	0
Total transferred off site for disposal:	0
Off-site - recycling - solvents/organics recovery:	0
Off-site - recycling -metals recovery:	0
Off-site - recycling - other reuse or recovery:	0
Off-site - recycling - acid regeneration:	0
Off-site - recycling - transfer to waste broker:	0
Total transferred off site for recycling:	0
Off-site - energy recovery:	0
Off-site - transfer to waste broker for energy recovery:	0
Total transferred off site for energy recovery:	0
Off-site - POTW treatment:	0
Off-site - solid/stab treatment - non metals:	0
Off-site -incineration/thermal treatment:	0
Off-site - incineration/insignificant heat value:	0
Off-site - wastewater treatment - non-metals:	0
Off-site - other waste treatment:	0
Off-site - transfer to waste broker - waste treatment:	0
Total transferred off site for treatment:	0
Off-site - transfer to waste broker:	0
Total transferred off site for further waste management:	0
Total POTW transfer:	0
Energy recovery on site current year:	0
Recycled on site current year:	0
Treated on site current year:	0
Total on-site waste management:	0
On-site energy recovery method 1:	Not Applicable
On-site energy recovery method 2:	Not reported
On-site energy recovery method 3:	Not Applicable
On-site energy recovery method 4:	Not reported
On-site recycling processes method 1:	Not Applicable
On-site recycling processes method 2:	Not reported
On-site recycling processes method 3:	Not reported
On-site recycling processes method 4:	Not reported
On-site recycling processes method 5:	Not reported
On-site recycling processes method 6:	Not reported
On-site recycling processes method 7:	Not reported
FRS Facility ID:	110038102969
Elemental Metal Included:	NO
Waste Rock Pile managed Indicator:	0
Waste Rock Quantity:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Off Site - POTW Releases 81C:		0
Off Site - POTW Releases 81D:		0
Assigned Partial Facility Flag:		NO
Case Number:		110-82-7
Mixture Name:		NA
Clean Air Act Ind:		NO
Carcinogen Ind:		NO
PFAS Ind:		NO
Chemical Activities and Uses:		
Cas number:		0000110827
Document control number:		1321220212029
Chemical name:	Cyclohexane	
Classification:		TRI
Unit of measure:		Pounds
Produce the chemical:		Yes
Import the chemical:		Yes
On-site use of the chemical:		Yes
Sale or distribution of the chemical:		No
As a byproduct:		No
As a manufactured impurity:		No
Used as a reactant:		No
P101 feedstocks:		No
P102 raw materials:		No
P103 intermediates:		No
P104 initiators:		No
P199 other:		No
Added as a formulation component:		No
P201 additives:		No
P202 dyes:		No
P203 reaction diluents:		No
P204 initiators:		No
P205 solvents:		No
P206 inhibitors:		No
P207 emulsifiers:		No
P208 surfactants:		No
P209 lubricants:		No
P210 flame retardants:		No
P211 rheological modifiers:		No
P299 other:		No
Used as an article component:		No
Repackaging:		No
As a process impurity:		No
Processed / recycling:		No
Used as a chemical processing aid:		No
Z101 process solvents:		No
Z102 catalysts:		No
Z103 inhibitors:		No
Z104 initiators:		No
Z105 reaction terminators:		No
Z106 solution buffers:		No
Z199 other:		No
Used as a manufacturing aid:		No
Z201 process lubricants:		No
Z202 metalworking fluids:		No
Z203 coolants:		No
Z204 refrigerants:		No
Z205 hydraulic fluids:		No

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Z299 other:	No
Ancillary or other use:	No
Z301 cleaner:	No
Z302 degreaser:	No
Z303 lubricant:	No
Z304 fuel:	No
Z305 flame retardant:	No
Z306 waste treatment:	No
Z307 water treatment:	No
Z308 construction materials:	No
Z399 other:	No

Submitted Facility Name:	PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT
Submitted Street:	1520 E SEPULVEDA BLVD
Submitted City:	CARSON
Submitted County:	LOS ANGELES
Submitted State:	CA
Submitted Zip Code:	90745
Submitted BIA Code:	Not reported
Submitted Tribe Name:	Not reported
Submitted Parent Company Name:	PHILLIPS 66 CO
Submitted Parent Company DB Number:	078378508
Submitted Standardized Parent Company Name:	PHILLIPS 66 CO
Submitted Primary NAICS Code:	324110
Submitted Industry Code:	324
Submitted Industry Name:	Petroleum
Industry Code:	324
Industry Name:	Petroleum
Last year the facility reported:	2021
First year the facility reported:	1991
Number of forms submitted:	24
Total number of forms submitted:	715
Assigned Agency:	Not reported

Detailed On-site Waste Treatment Methods and Efficiency:

Cas number:	0000110827
Document control number:	1321220212029
Chemical name: Cyclohexane	
Classification:	TRI
Unit of measure:	Pounds
Stream 1 - waste stream code:	NA
Stream 1 - trtmt method - sequence 1:	Not reported
Stream 1 - trtmt method - sequence 2:	Not reported
Stream 1 - trtmt method - sequence 3:	Not reported
Stream 1 - trtmt method - sequence 4:	Not reported
Stream 1 - trtmt method - sequence 5:	Not reported
Stream 1 - trtmt method - sequence 6:	Not reported
Stream 1 - trtmt method - sequence 7:	Not reported
Stream 1 - trtmt method - sequence 8:	Not reported
Stream 1 - based on operating data:	Not reported
Stream 2 - waste stream code:	Not reported
Stream 2 - trtmt method - sequence 1:	Not reported
Stream 2 - trtmt method - sequence 2:	Not reported
Stream 2 - trtmt method - sequence 3:	Not reported
Stream 2 - trtmt method - sequence 4:	Not reported
Stream 2 - trtmt method - sequence 5:	Not reported
Stream 2 - trtmt method - sequence 6:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Stream 2 - trtmt method - sequence 7:	Not reported
Stream 2 - trtmt method - sequence 8:	Not reported
Stream 2 - based on operating data:	Not reported
Stream 3 - waste stream code:	Not reported
Stream 3 - trtmt method - sequence 1:	Not reported
Stream 3 - trtmt method - sequence 2:	Not reported
Stream 3 - trtmt method - sequence 3:	Not reported
Stream 3 - trtmt method - sequence 4:	Not reported
Stream 3 - trtmt method - sequence 5:	Not reported
Stream 3 - trtmt method - sequence 6:	Not reported
Stream 3 - trtmt method - sequence 7:	Not reported
Stream 3 - trtmt method - sequence 8:	Not reported
Stream 3 - based on operating data:	Not reported
Stream 4 - waste stream code:	Not reported
Stream 4 - trtmt method - sequence 1:	Not reported
Stream 4 - trtmt method - sequence 2:	Not reported
Stream 4 - trtmt method - sequence 3:	Not reported
Stream 4 - trtmt method - sequence 4:	Not reported
Stream 4 - trtmt method - sequence 5:	Not reported
Stream 4 - trtmt method - sequence 6:	Not reported
Stream 4 - trtmt method - sequence 7:	Not reported
Stream 4 - trtmt method - sequence 8:	Not reported
Stream 4 - based on operating data:	Not reported
Stream 5 - waste stream code:	Not reported
Stream 5 - trtmt method - sequence 1:	Not reported
Stream 5 - trtmt method - sequence 2:	Not reported
Stream 5 - trtmt method - sequence 3:	Not reported
Stream 5 - trtmt method - sequence 4:	Not reported
Stream 5 - trtmt method - sequence 5:	Not reported
Stream 5 - trtmt method - sequence 6:	Not reported
Stream 5 - trtmt method - sequence 7:	Not reported
Stream 5 - trtmt method - sequence 8:	Not reported
Stream 5 - based on operating data:	Not reported

TRI ID:	90745NCLCR1520E
Cas number:	0000067561
Chemical name: Methanol	
Classification:	TRI
Unit of measure:	Pounds
Metal ind:	NO
Revision code 1:	Not reported
Revision code 2:	Not reported
Maximum amount on site:	05
Fugitive air emissions - total release pounds:	0
Fugitive air emissions - total release range code:	Not reported
Total fugitive air emissions:	0
Fugitive air emissions - basis of estimate:	Other
Stack air emissions - release pounds:	13000
Stack air emissions - release range code:	Not reported
Total stack air emissions:	13000
Stack air emissions - basis of estimate:	Periodic/Random Monotoning Data
Total air emissions:	13000
Discharges to stream a - stream name:	NA
Total discharges to stream a:	0
Discharges to stream a - basis of estimate:	Not reported
Discharges to stream a - % from stormwater:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Discharges to stream b - stream name:	Not reported
Total discharges to stream b:	Not reported
Discharges to stream b - basis of estimate:	Not reported
Discharges to stream b - % from stormwater:	Not reported
Discharges to stream c - stream name:	Not reported
Total discharges to stream c:	Not reported
Discharges to stream c - basis of estimate:	Not reported
Discharges to stream c - % from stormwater:	Not reported
Discharges to stream d - stream name:	Not reported
Total discharges to stream d:	Not reported
Discharges to stream d - basis of estimate:	Not reported
Discharges to stream d - % from stormwater:	Not reported
Discharges to stream e - stream name:	Not reported
Total discharges to stream e:	Not reported
Discharges to stream e - basis of estimate:	Not reported
Discharges to stream e - % from stormwater:	Not reported
Discharges to stream f - stream name:	Not reported
Total discharges to stream f:	Not reported
Discharges to stream f - basis of estimate:	Not reported
Discharges to stream f - % from stormwater:	Not reported
Discharges to stream g - stream name:	Not reported
Total discharges to stream g:	Not reported
Discharges to stream g - basis of estimate:	Not reported
Discharges to stream g - % from stormwater:	Not reported
Total number of receiving streams:	0
Total surface water discharge:	0
Total on-site underground inj - pounds:	Not reported
On-site underground inj - basis of estimate:	Not reported
Total on-site ugrnd inj to cl i wells - pounds:	0
On-site underground inj to c1 i wells - basis of estimate:	Not reported
Total on-site ugrnd inj to cl ii-v wells - pounds:	0
On-site ungrnd inj to cl ii-v wells - basis of estimate:	Not reported
Total on-site underground injection:	0
Total on-site landfills:	Not reported
On-site landfills - basis of estimate:	Not reported
Total on-site RCRA subtitle c landfills:	0
On-site RCRA subtitle c landfills - basis of estimate:	Not reported
Total other on-site landfills:	0
Other landfills - basis of estimate:	Not reported
Total on-site land treatment:	0
Land trtmt/appl farming - basis of estimate:	Not reported
Total surface impoundments:	Not reported
Surface impoundment - basis of estimate:	Not reported
Total RCRA c surface impoundments:	0
RCRA c Surface impoundment - basis of estimate:	Not reported
Total other surface impoundments:	0
Other surface impoundment - basis of estimate:	Not reported
Total other disposal:	0
Other disposal - basis of estimate:	Other
Total on-site land releases:	0
Total on-site releases:	13000
Off-site - POTW releases:	0
Off-site - storage only:	0
Off-site - solid/stab - metals:	0
Off-site - wastewater treatment release - metals:	0
Off-site - solid/stab - release - metals:	0
Off-site - wastewater treatment - metals:	0

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Off-site - underground injection:	0
Off-site - underground injection - class 1 wells:	0
Off-site - underground injection - class ii-v wells:	0
Off-site - landfills/disposal surface impoundments:	0
Off-site - surface impoundment:	0
Off-site - RCRA subtitle c surface impoundments:	0
Off-site - other surface impoundments:	0
Off-site - other landfills:	0
Off-site - RCRA subtitle c landfills:	0
Off-site - disposal - land treatment:	0
Off-site - disposal - other land disposal:	0
Off-site - disposal - other off-site management:	0
Off-site - disposal - transfer to waste broker:	0
Off-site - disposal - unknown:	0
Total transferred off site for disposal:	0
Off-site - recycling - solvents/organics recovery:	0
Off-site - recycling -metals recovery:	0
Off-site - recycling - other reuse or recovery:	0
Off-site - recycling - acid regeneration:	0
Off-site - recycling - transfer to waste broker:	0
Total transferred off site for recycling:	0
Off-site - energy recovery:	0
Off-site - transfer to waste broker for energy recovery:	0
Total transferred off site for energy recovery:	0
Off-site - POTW treatment:	0
Off-site - solid/stab treatment - non metals:	0
Off-site -incineration/thermal treatment:	0
Off-site - incineration/insignificant heat value:	0
Off-site - wastewater treatment - non-metals:	0
Off-site - other waste treatment:	0
Off-site - transfer to waste broker - waste treatment:	0
Total transferred off site for treatment:	0
Off-site - transfer to waste broker:	0
Total transferred off site for further waste management:	0
Total POTW transfer:	0
Energy recovery on site current year:	0
Recycled on site current year:	0
Treated on site current year:	0
Total on-site waste management:	0
On-site energy recovery method 1:	Not Applicable
On-site energy recovery method 2:	Not reported
On-site energy recovery method 3:	Not Applicable
On-site energy recovery method 4:	Not reported
On-site recycling processes method 1:	Not Applicable
On-site recycling processes method 2:	Not reported
On-site recycling processes method 3:	Not reported
On-site recycling processes method 4:	Not reported
On-site recycling processes method 5:	Not reported
On-site recycling processes method 6:	Not reported
On-site recycling processes method 7:	Not reported
FRS Facility ID:	110038102969
Elemental Metal Included:	NO
Waste Rock Pile managed Indicator:	0
Waste Rock Quantity:	Not reported
Off Site - POTW Releases 81C:	0
Off Site - POTW Releases 81D:	0
Assigned Partial Facility Flag:	NO

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Case Number:		67-56-1
Mixture Name:		NA
Clean Air Act Ind:		YES
Carcinogen Ind:		NO
PFAS Ind:		NO
Chemical Activities and Uses:		
Cas number:		0000067561
Document control number:		1321220212094
Chemical name:	Methanol	
Classification:		TRI
Unit of measure:		Pounds
Produce the chemical:		Yes
Import the chemical:		No
On-site use of the chemical:		Yes
Sale or distribution of the chemical:		No
As a byproduct:		No
As a manufactured impurity:		Yes
Used as a reactant:		No
P101 feedstocks:		No
P102 raw materials:		No
P103 intermediates:		No
P104 initiators:		No
P199 other:		No
Added as a formulation component:		No
P201 additives:		No
P202 dyes:		No
P203 reaction diluents:		No
P204 initiators:		No
P205 solvents:		No
P206 inhibitors:		No
P207 emulsifiers:		No
P208 surfactants:		No
P209 lubricants:		No
P210 flame retardants:		No
P211 rheological modifiers:		No
P299 other:		No
Used as an article component:		No
Repackaging:		No
As a process impurity:		Yes
Processed / recycling:		No
Used as a chemical processing aid:		No
Z101 process solvents:		No
Z102 catalysts:		No
Z103 inhibitors:		No
Z104 initiators:		No
Z105 reaction terminators:		No
Z106 solution buffers:		No
Z199 other:		No
Used as a manufacturing aid:		No
Z201 process lubricants:		No
Z202 metalworking fluids:		No
Z203 coolants:		No
Z204 refrigerants:		No
Z205 hydraulic fluids:		No
Z299 other:		No
Ancillary or other use:		Yes
Z301 cleaner:		No

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Z302 degreaser:	No
Z303 lubricant:	No
Z304 fuel:	No
Z305 flame retardant:	No
Z306 waste treatment:	No
Z307 water treatment:	No
Z308 construction materials:	No
Z399 other:	Yes

Submitted Facility Name:	PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT
Submitted Street:	1520 E SEPULVEDA BLVD
Submitted City:	CARSON
Submitted County:	LOS ANGELES
Submitted State:	CA
Submitted Zip Code:	90745
Submitted BIA Code:	Not reported
Submitted Tribe Name:	Not reported
Submitted Parent Company Name:	PHILLIPS 66 CO
Submitted Parent Company DB Number:	078378508
Submitted Standardized Parent Company Name:	PHILLIPS 66 CO
Submitted Primary NAICS Code:	324110
Submitted Industry Code:	324
Submitted Industry Name:	Petroleum
Industry Code:	324
Industry Name:	Petroleum
Last year the facility reported:	2021
First year the facility reported:	1991
Number of forms submitted:	24
Total number of forms submitted:	715
Assigned Agency:	Not reported

Detailed On-site Waste Treatment Methods and Efficiency:

Cas number:	0000067561
Document control number:	1321220212094
Chemical name: Methanol	
Classification:	TRI
Unit of measure:	Pounds
Stream 1 - waste stream code:	NA
Stream 1 - trtmt method - sequence 1:	Not reported
Stream 1 - trtmt method - sequence 2:	Not reported
Stream 1 - trtmt method - sequence 3:	Not reported
Stream 1 - trtmt method - sequence 4:	Not reported
Stream 1 - trtmt method - sequence 5:	Not reported
Stream 1 - trtmt method - sequence 6:	Not reported
Stream 1 - trtmt method - sequence 7:	Not reported
Stream 1 - trtmt method - sequence 8:	Not reported
Stream 1 - based on operating data:	Not reported
Stream 2 - waste stream code:	Not reported
Stream 2 - trtmt method - sequence 1:	Not reported
Stream 2 - trtmt method - sequence 2:	Not reported
Stream 2 - trtmt method - sequence 3:	Not reported
Stream 2 - trtmt method - sequence 4:	Not reported
Stream 2 - trtmt method - sequence 5:	Not reported
Stream 2 - trtmt method - sequence 6:	Not reported
Stream 2 - trtmt method - sequence 7:	Not reported
Stream 2 - trtmt method - sequence 8:	Not reported
Stream 2 - based on operating data:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Stream 3 - waste stream code:	Not reported
Stream 3 - trtmt method - sequence 1:	Not reported
Stream 3 - trtmt method - sequence 2:	Not reported
Stream 3 - trtmt method - sequence 3:	Not reported
Stream 3 - trtmt method - sequence 4:	Not reported
Stream 3 - trtmt method - sequence 5:	Not reported
Stream 3 - trtmt method - sequence 6:	Not reported
Stream 3 - trtmt method - sequence 7:	Not reported
Stream 3 - trtmt method - sequence 8:	Not reported
Stream 3 - based on operating data:	Not reported
Stream 4 - waste stream code:	Not reported
Stream 4 - trtmt method - sequence 1:	Not reported
Stream 4 - trtmt method - sequence 2:	Not reported
Stream 4 - trtmt method - sequence 3:	Not reported
Stream 4 - trtmt method - sequence 4:	Not reported
Stream 4 - trtmt method - sequence 5:	Not reported
Stream 4 - trtmt method - sequence 6:	Not reported
Stream 4 - trtmt method - sequence 7:	Not reported
Stream 4 - trtmt method - sequence 8:	Not reported
Stream 4 - based on operating data:	Not reported
Stream 5 - waste stream code:	Not reported
Stream 5 - trtmt method - sequence 1:	Not reported
Stream 5 - trtmt method - sequence 2:	Not reported
Stream 5 - trtmt method - sequence 3:	Not reported
Stream 5 - trtmt method - sequence 4:	Not reported
Stream 5 - trtmt method - sequence 5:	Not reported
Stream 5 - trtmt method - sequence 6:	Not reported
Stream 5 - trtmt method - sequence 7:	Not reported
Stream 5 - trtmt method - sequence 8:	Not reported
Stream 5 - based on operating data:	Not reported

Click this hyperlink while viewing on your computer to access
1 additional US TRIS: record(s) in the EDR Site Report.

EMI:

Name:	UNOCAL REFINERY & MARKETING CO
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
Year:	1995
County Code:	19
Air Basin:	SC
Facility ID:	800319
Air District Name:	SC
SIC Code:	2911
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	302
Reactive Organic Gases Tons/Yr:	250
Carbon Monoxide Emissions Tons/Yr:	61
NOX - Oxides of Nitrogen Tons/Yr:	522
SOX - Oxides of Sulphur Tons/Yr:	149
Particulate Matter Tons/Yr:	174
Part. Matter 10 Micrometers and Smllr Tons/Yr:	136

Name:	UNOCAL REFINERY & MARKETING CO

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
Year:	1996
County Code:	19
Air Basin:	SC
Facility ID:	800319
Air District Name:	SC
SIC Code:	2911
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	140
Reactive Organic Gases Tons/Yr:	117
Carbon Monoxide Emissions Tons/Yr:	336
NOX - Oxides of Nitrogen Tons/Yr:	789
SOX - Oxides of Sulphur Tons/Yr:	343
Particulate Matter Tons/Yr:	183
Part. Matter 10 Micrometers and Smllr Tons/Yr:	137

Name:	TOSCO REFINING COMPANY
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
Year:	1997
County Code:	19
Air Basin:	SC
Facility ID:	800362
Air District Name:	SC
SIC Code:	2911
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	347
Reactive Organic Gases Tons/Yr:	263
Carbon Monoxide Emissions Tons/Yr:	271
NOX - Oxides of Nitrogen Tons/Yr:	822
SOX - Oxides of Sulphur Tons/Yr:	587
Particulate Matter Tons/Yr:	134
Part. Matter 10 Micrometers and Smllr Tons/Yr:	103

Name:	TOSCO REFINING COMPANY
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
Year:	1998
County Code:	19
Air Basin:	SC
Facility ID:	800362
Air District Name:	SC
SIC Code:	2911
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	328
Reactive Organic Gases Tons/Yr:	247
Carbon Monoxide Emissions Tons/Yr:	271
NOX - Oxides of Nitrogen Tons/Yr:	207
SOX - Oxides of Sulphur Tons/Yr:	310
Particulate Matter Tons/Yr:	134

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Part. Matter 10 Micrometers and Smllr Tons/Yr:103

Name:	TOSCO REFINING COMPANY
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
Year:	1999
County Code:	19
Air Basin:	SC
Facility ID:	800362
Air District Name:	SC
SIC Code:	2911
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	347
Reactive Organic Gases Tons/Yr:	263
Carbon Monoxide Emissions Tons/Yr:	271
NOX - Oxides of Nitrogen Tons/Yr:	822
SOX - Oxides of Sulphur Tons/Yr:	587
Particulate Matter Tons/Yr:	134
Part. Matter 10 Micrometers and Smllr Tons/Yr:	103

Name:	TOSCO REFINING COMPANY
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
Year:	2000
County Code:	19
Air Basin:	SC
Facility ID:	800362
Air District Name:	SC
SIC Code:	2911
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	347
Reactive Organic Gases Tons/Yr:	263
Carbon Monoxide Emissions Tons/Yr:	271
NOX - Oxides of Nitrogen Tons/Yr:	822
SOX - Oxides of Sulphur Tons/Yr:	587
Particulate Matter Tons/Yr:	134
Part. Matter 10 Micrometers and Smllr Tons/Yr:	103

Name:	TOSCO REFINING COMPANY
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
Year:	2001
County Code:	19
Air Basin:	SC
Facility ID:	800362
Air District Name:	SC
SIC Code:	2911
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	B
Total Organic Hydrocarbon Gases Tons/Yr:	182
Reactive Organic Gases Tons/Yr:	133
Carbon Monoxide Emissions Tons/Yr:	416

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

NOX - Oxides of Nitrogen Tons/Yr: 462
SOX - Oxides of Sulphur Tons/Yr: 773
Particulate Matter Tons/Yr: 52
Part. Matter 10 Micrometers and Smllr Tons/Yr: 40

Name: CONOCOPHILLIPS COMPANY
Address: 1520 E SEPULVEDA BLVD
City,State,Zip: CARSON, CA 90745
Year: 2002
County Code: 19
Air Basin: SC
Facility ID: 800362
Air District Name: SC
SIC Code: 2911
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 189
Reactive Organic Gases Tons/Yr: 133
Carbon Monoxide Emissions Tons/Yr: 493
NOX - Oxides of Nitrogen Tons/Yr: 367
SOX - Oxides of Sulphur Tons/Yr: 597
Particulate Matter Tons/Yr: 47
Part. Matter 10 Micrometers and Smllr Tons/Yr: 43

Name: CONOCOPHILLIPS COMPANY
Address: 1520 E SEPULVEDA BLVD
City,State,Zip: CARSON, CA 90745
Year: 2003
County Code: 19
Air Basin: SC
Facility ID: 800362
Air District Name: SC
SIC Code: 2911
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 189
Reactive Organic Gases Tons/Yr: 133
Carbon Monoxide Emissions Tons/Yr: 493
NOX - Oxides of Nitrogen Tons/Yr: 367
SOX - Oxides of Sulphur Tons/Yr: 597
Particulate Matter Tons/Yr: 47
Part. Matter 10 Micrometers and Smllr Tons/Yr: 43

Name: CONOCOPHILLIPS COMPANY
Address: 1520 E SEPULVEDA BLVD
City,State,Zip: CARSON, CA 90745
Year: 2004
County Code: 19
Air Basin: SC
Facility ID: 800362
Air District Name: SC
SIC Code: 2911
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Y
Consolidated Emission Reporting Rule: Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Total Organic Hydrocarbon Gases Tons/Yr:	189.45227
Reactive Organic Gases Tons/Yr:	136.78
Carbon Monoxide Emissions Tons/Yr:	493.4898
NOX - Oxides of Nitrogen Tons/Yr:	366.6611
SOX - Oxides of Sulphur Tons/Yr:	596.78713
Particulate Matter Tons/Yr:	46.76459807
Part. Matter 10 Micrometers and Smllr Tons/Yr:	42.85

Name:	CONOCOPHILLIPS COMPANY
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
Year:	2005
County Code:	19
Air Basin:	SC
Facility ID:	800362
Air District Name:	SC
SIC Code:	2911
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	128.166855
Reactive Organic Gases Tons/Yr:	94.439378078
Carbon Monoxide Emissions Tons/Yr:	473.7925
NOX - Oxides of Nitrogen Tons/Yr:	367.994
SOX - Oxides of Sulphur Tons/Yr:	202.14671
Particulate Matter Tons/Yr:	44.937585
Part. Matter 10 Micrometers and Smllr Tons/Yr:	41.1433707665

Name:	CONOCOPHILLIPS COMPANY
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
Year:	2006
County Code:	19
Air Basin:	SC
Facility ID:	800362
Air District Name:	SC
SIC Code:	2911
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	177.9220019818509536
Reactive Organic Gases Tons/Yr:	122.517
Carbon Monoxide Emissions Tons/Yr:	448.175
NOX - Oxides of Nitrogen Tons/Yr:	342.632
SOX - Oxides of Sulphur Tons/Yr:	283.808
Particulate Matter Tons/Yr:	64.298
Part. Matter 10 Micrometers and Smllr Tons/Yr:	54.29174

Name:	CONOCOPHILLIPS COMPANY
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
Year:	2007
County Code:	19
Air Basin:	SC
Facility ID:	800362
Air District Name:	SC
SIC Code:	2911

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	177.9087116698435207
Reactive Organic Gases Tons/Yr:	122.517
Carbon Monoxide Emissions Tons/Yr:	448.175
NOX - Oxides of Nitrogen Tons/Yr:	342.632
SOX - Oxides of Sulphur Tons/Yr:	283.808
Particulate Matter Tons/Yr:	64.298
Part. Matter 10 Micrometers and Smllr Tons/Yr:	54.29174

Name:	CONOCOPHILLIPS COMPANY
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
Year:	2008
County Code:	19
Air Basin:	SC
Facility ID:	800362
Air District Name:	SC
SIC Code:	2911
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	164.7654795445258710
Reactive Organic Gases Tons/Yr:	111.7531588582485
Carbon Monoxide Emissions Tons/Yr:	314.640145
NOX - Oxides of Nitrogen Tons/Yr:	329.5189439695073013
SOX - Oxides of Sulphur Tons/Yr:	305.3523348461076509
Particulate Matter Tons/Yr:	59.51792317
Part. Matter 10 Micrometers and Smllr Tons/Yr:	52.472358054081

Name:	TOSCO REFINING COMPANY
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
Year:	2009
County Code:	19
Air Basin:	SC
Facility ID:	800362
Air District Name:	SC
SIC Code:	2911
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	175.949098567562
Reactive Organic Gases Tons/Yr:	108.418685
Carbon Monoxide Emissions Tons/Yr:	275.04459000000003
NOX - Oxides of Nitrogen Tons/Yr:	342.42585000000003
SOX - Oxides of Sulphur Tons/Yr:	309.57515999999998
Particulate Matter Tons/Yr:	60.309235200000003
Part. Matter 10 Micrometers and Smllr Tons/Yr:	52.241691890360002

Name:	TOSCO REFINING COMPANY
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
Year:	2010
County Code:	19
Air Basin:	SC

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Facility ID:	800362
Air District Name:	SC
SIC Code:	2911
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	141.57311537858001
Reactive Organic Gases Tons/Yr:	100.739358890689
Carbon Monoxide Emissions Tons/Yr:	268.84510000001501
NOX - Oxides of Nitrogen Tons/Yr:	330.59667000003299
SOX - Oxides of Sulphur Tons/Yr:	294.57694000003102
Particulate Matter Tons/Yr:	56.095990000015
Part. Matter 10 Micrometers and Smllr Tons/Yr:	48.2493827430146

Name:	TOSCO REFINING COMPANY
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
Year:	2011
County Code:	19
Air Basin:	SC
Facility ID:	800362
Air District Name:	SC
SIC Code:	2911
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	127.67530642
Reactive Organic Gases Tons/Yr:	91.247030547
Carbon Monoxide Emissions Tons/Yr:	269.79866
NOX - Oxides of Nitrogen Tons/Yr:	331.37327
SOX - Oxides of Sulphur Tons/Yr:	286.95819
Particulate Matter Tons/Yr:	63.536535698
Part. Matter 10 Micrometers and Smllr Tons/Yr:	55.281944186

LOS ANGELES CO. HMS:

Name:	UNOCAL CORP CARSON PLANT
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 907456140
Region:	LA
Permit Category:	T
Facility Id:	015393-016650
Facility Type:	0
Facility Status:	Closed
Area:	22
Permit Number:	00006226T
Permit Status:	Closed

Name:	TOSCO LOS ANGELES REFINERY
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 907456140
Region:	LA
Permit Category:	T
Facility Id:	015393-025493
Facility Type:	0
Facility Status:	Permit
Area:	22
Permit Number:	000207380

PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT (Continued) **1000904828**

Permit Status: Permit

Name: CARSON LUBRICANTS PLANT
Address: 1520 E SEPULVEDA BLVD
City,State,Zip: CARSON, CA 907456140
Region: LA
Permit Category: T
Facility Id: 000313-025993
Facility Type: 0
Facility Status: Closed
Area: 22
Permit Number: 000240921
Permit Status: Closed

Z114 **PACIFIC PIPELINE SYS WILMINGTON STA** **ENVIROSTOR** **S103963019**
WSW **1520 E SEPULVEDA BLVD** **CPS-SLIC** **N/A**
1/2-1 **CARSON, CA 90745** **CERS HAZ WASTE**
0.926 mi. **CERS TANKS**
4889 ft. **Site 2 of 3 in cluster Z** **CHMIRS**
EMI
Relative: Higher **ENF**
LOS ANGELES CO. HMS
Actual: 39 ft. **NPDES**
CIWQS
CERS

ENVIROSTOR:
Name: CONOCOPHILLIPS LARC
Address: 1520 E SEPULVEDA BLVD
City,State,Zip: CARSON, CA 907450000
Facility ID: 80001752
Status: Refer: RWQCB
Status Date: 01/01/2008
Site Code: 400277
Site Type: Corrective Action
Site Type Detailed: Corrective Action
Acres: 0
NPL: NO
Regulatory Agencies: RWQCB 4 - Los Angeles
Lead Agency: RWQCB 4 - Los Angeles
Program Manager: Not reported
Supervisor: * Unknown
Division Branch: Cleanup Chatsworth
Assembly: 64
Senate: 35
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.80400
Longitude: -118.2436
APN: 7315002021
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 7315002021
Alias Type: APN

PACIFIC PIPELINE SYS WILMINGTON STA (Continued) **S103963019**

Alias Name: CAD980881676
Alias Type: EPA Identification Number
Alias Name: 110000476128
Alias Type: EPA (FRS #)
Alias Name: 400277
Alias Type: Project Code (Site Code)
Alias Name: 80001752
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 07/10/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Questionnaire
Completed Date: 10/03/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 06/24/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled
Completed Date: 09/29/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 12/29/1988
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: GROUND WATER
Completed Document Type: RFI Report
Completed Date: 09/01/1994
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: GROUND WATER
Completed Document Type: RFI Workplan
Completed Date: 09/01/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 01/28/1991
Comments: Not reported

PACIFIC PIPELINE SYS WILMINGTON STA (Continued) **S103963019**

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: GROUND WATER
Completed Document Type: Interim Measures Implementation Report
Completed Date: 09/01/1994
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: GROUND WATER
Completed Document Type: Interim Measures Workplan
Completed Date: 09/30/1988
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled
Completed Date: 03/09/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Human Exposure Controlled
Completed Date: 03/09/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Human Exposure Controlled
Completed Date: 09/27/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Questionnaire
Completed Date: 01/14/1993
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: GROUND WATER
Completed Document Type: Consent Agreement
Completed Date: 09/30/1988
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Historical Operating Permit Authority
Completed Date: 01/27/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Historical Operating Permit Authority
Completed Date: 03/19/1993
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported

PACIFIC PIPELINE SYS WILMINGTON STA (Continued) **S103963019**

Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

CPS-SLIC:

Name:	UNOCAL - TOSCO LOS ANGELES REFINERY, CARSON
Address:	1520 E. SEPULVEDA BLVD
City,State,Zip:	CARSON, CA
Region:	STATE
Facility Status:	**Open - Assessment & Interim Remedial Action**
Status Date:	06/22/2020
Global Id:	SL372402433
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	33.8044499633375
Longitude:	-118.247727468292
Case Type:	Cleanup Program Site
Case Worker:	JYL
Local Agency:	Not reported
RB Case Number:	0232
File Location:	Regional Board
Potential Media Affected:	Aquifer used for drinking water supply, Other Groundwater (uses other than drinking water), Soil
Potential Contaminants of Concern:	Benzene, Crude Oil, Diesel, Ethylbenzene, Gasoline, MTBE / TBA / Other Fuel Oxygenates, Naphthalene, Other Petroleum, Toluene, Total Petroleum Hydrocarbons (TPH), Xylene
Site History:	ConocoPhillips Company operates the ConocoPhillips Los Angeles Refinery (LAR) which consists of two plants located in Carson and Wilmington, California. The Carson Plant is a 245-acre site located at 1520 E. Sepulveda Boulevard, Carson, California. These two plants have been connected by pipelines since December 1991 and together provide complete refinery facilities. The Carson Plant is a crude-oil refining, processing, and storage facility. The Carson Plant was constructed in 1923 by Shell Oil Company. It was modernized and expanded in 1980s. Currently the Plant has a processing capacity of 132,000 barrels of crude oil per day. The facility performs crude oil fractionation and heavy-end refining. The unfinished intermediate petroleum products are then piped to the Wilmington Plant for conversion to finished products. The Discharger has released wastes, among which petroleum hydrocarbons are the principal contaminants of concern, to underlying soil and groundwater. On-site evidence of these wastes includes vapor phase contaminants in soil, solid phase contaminants in soil, non-aqueous phase liquids (NAPL) above and below the water table, and dissolved phase contaminants in groundwater. Since 1985, the refinery has been under numerous directives, issued by the Water Board under authority in sections 13304 and 13267 of the California Water Code, to investigate and cleanup releases of wastes. On September 3, 2003, representatives of refineries in Carson area met with USEPA staff to dicuss the presence of chemicals of concern (di-isopropyl ether [DIPE], methyl tert-butyl ether [MTBE] and tert-butyl alcohol [TBA] in groundwater underlying these facilities. Since 2003, COP has been working with RWQCB on phased program for oxygenates assessment. COP completed LNAPL Investigation in 2008, installed cluster Gage Aquifer groundwater

PACIFIC PIPELINE SYS WILMINGTON STA (Continued) **S103963019**

monitoring wells in 2009. Phase 3 data package was submitted in March 2009. COP is in progress to finalize a site conceptual model for LARC in the first quarter of 2011. The 245-acre Phillips 66 Los Angeles Refinery (LAR) has been in operation since 1923. The LAR is a crude oil refining, processing, and storage facility. There are other facilities with similar operations located in Carson, California. The LAR is bordered by Tesoro Los Angeles Refinery, Carson (Tesoro Carson), Tesoro Los Angeles Refinery, Wilmington (Tesoro Wilmington), and Kinder Morgan Carson Terminal (Kinder Morgan). The LAR is located in the West Coast Basin of the Los Angeles County Coastal Plain. The uppermost groundwater occurs in the Water Table Aquifer of the Bellflower Aquiclude at depths ranging from 35 feet to 59 feet below ground surface (bgs). Other aquifers beneath the Bellflower Aquiclude in descending order are the Gage Aquifer, Lynwood Aquifer and Silverado Aquifer. The LAR is located near the Dominguez Gap Barrier Project (DGBP) and the groundwater flow direction in the Water Table Aquifer, Gage Aquifer, and Lynwood Aquifer beneath the LAR is influenced by the operation of the DGBP. The groundwater flow is towards the west away from the DGBP. In the Silverado Aquifer groundwater flow is towards the east. There is light non-aqueous phase liquid (LNAPL) present in the Water Table Aquifer beneath most of the LAR. The groundwater beneath the LAR is also impacted with contaminants of concern (COCs) in the dissolved phase, primarily total petroleum hydrocarbons (TPH) and volatile organic compounds (VOCs) particularly benzene and oxygenates such as methyl tert-butyl ether (MTBE), tert-butyl alcohol (TBA), and disipropyl ether (DIPE). The highest concentrations of COCs are detected in the Water Table Aquifer. Benzene and oxygenates are also detected in the Gage Aquifer, Lynwood Aquifer, and Silverado Aquifer. Phillips 66 has been operating extraction wells in the Water Table Aquifer for hydraulic control and LNAPL removal at the LAR.

Click here to access the California GeoTracker records for this facility:

CERS HAZ WASTE:

Name:	PHILLIPS 66 COMPANY, CARSON PLANT
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
Site ID:	399547
CERS ID:	10263874
CERS Description:	Hazardous Chemical Management

Name:	PHILLIPS 66 COMPANY, CARSON PLANT
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
Site ID:	399547
CERS ID:	10263874
CERS Description:	Hazardous Waste Generator

Name:	PHILLIPS 66 COMPANY, CARSON PLANT
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
Site ID:	399547
CERS ID:	10263874
CERS Description:	Hazardous Waste Onsite Treatment

Name:	PHILLIPS 66 COMPANY, CARSON PLANT

PACIFIC PIPELINE SYS WILMINGTON STA (Continued) **S103963019**

Address: 1520 E SEPULVEDA BLVD
City,State,Zip: CARSON, CA 90745
Site ID: 399547
CERS ID: 10263874
CERS Description: RCRA LQ HW Generator

Name: PACIFIC PIPELINE SYS WILMINGTON STA
Address: 1520 E SEPULVEDA BLVD
City,State,Zip: CARSON, CA 90745
Site ID: 54808
CERS ID: 10291249
CERS Description: Hazardous Waste Generator

CERS TANKS:
Name: PHILLIPS 66 COMPANY, CARSON PLANT
Address: 1520 E SEPULVEDA BLVD
City,State,Zip: CARSON, CA 90745
Site ID: 399547
CERS ID: 10263874
CERS Description: Aboveground Petroleum Storage

CHMIRS:
Name: Not reported
Address: 1520 E. SEPULVEDA BLVD.
City,State,Zip: CARSON, CA 90745
OES Incident Number: 4-3823
OES notification: 07/07/2014
OES Date: Not reported
OES Time: Not reported
Date Completed: Not reported
Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported
Time Completed: Not reported
Surrounding Area: Not reported
Estimated Temperature: Not reported
Property Management: Not reported
More Than Two Substances Involved?: Not reported
Resp Agncy Personel # Of Decontaminated: Not reported
Responding Agency Personel # Of Injuries: Not reported
Responding Agency Personel # Of Fatalities: Not reported
Others Number Of Decontaminated: Not reported
Others Number Of Injuries: Not reported
Others Number Of Fatalities: Not reported
Vehicle Make/year: Not reported
Vehicle License Number: Not reported
Vehicle State: Not reported
Vehicle Id Number: Not reported
CA DOT PUC/ICC Number: Not reported
Company Name: Not reported
Reporting Officer Name/ID: Not reported
Report Date: Not reported
Facility Telephone: Not reported
Waterway Involved: No
Waterway: Not reported

PACIFIC PIPELINE SYS WILMINGTON STA (Continued) **S103963019**

Spill Site:	Refinery
Cleanup By:	No
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	CHEMICAL
Measure:	Lbs.
Other:	Not reported
Date/Time:	200
Year:	2014
Agency:	Phillips 66 LA Refinery
Incident Date:	7/6/2014
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Sulfur Dioxide
Quantity Released:	500
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Process Upset
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	Other
Fatals:	No
Comments:	Not reported
Description:	RP states the a high sulfur in the fuel gas resulted in the exceedance of the RQ for SOC (500 lbs in a 24-hr period). Incident occurred, 7/6/14, 0200-0600.

Name:	Not reported
Address:	1520 E. SEPULVEDA
City,State,Zip:	CARSON, CA 90745
OES Incident Number:	1-6696
OES notification:	11/10/2011
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported

PACIFIC PIPELINE SYS WILMINGTON STA (Continued) **S103963019**

Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Refinery
Cleanup By:	N/A
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Lbs.
Other:	Not reported
Date/Time:	1325
Year:	2011
Agency:	Conoco Phillips
Incident Date:	11/10/2011
Admin Agency:	LACoFD Health Haz-Mat
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Sulfur Dioxide
Quantity Released:	Unk
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Per RP a flaring event has caused this incident which is believed to be greater than 500 pounds which is the reportable quantity.

PACIFIC PIPELINE SYS WILMINGTON STA (Continued) **S103963019**

Name:	Not reported
Address:	1520 E. SEPULVEDA
City,State,Zip:	CARSON, CA
OES Incident Number:	10-1719
OES notification:	03/11/2010
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Refinery
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Lbs.
Other:	Not reported
Date/Time:	2115
Year:	2010
Agency:	Conoco Phillips
Incident Date:	2/19/2010
Admin Agency:	LACoFD Health Haz-Mat
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	SOX
Quantity Released:	2300
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported

PACIFIC PIPELINE SYS WILMINGTON STA (Continued) **S103963019**

Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	The caller advised that they discovered an error in sampling from a flaring event on 2/19/2010. The flaring event lasted for one hpour on that date.

Name:	Not reported
Address:	1520 E SEPULVEDA
City,State,Zip:	CARSON, CA 90745
OES Incident Number:	0-1778
OES notification:	04/19/2000
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	n/a
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported

PACIFIC PIPELINE SYS WILMINGTON STA (Continued) **S103963019**

Date/Time:	Not reported
Year:	2000
Agency:	Tosco
Incident Date:	4/19/200012:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Refinery
E Date:	Not reported
Substance:	Nitrogen Dioxide
Gallons:	0.000000
Pounds:	15
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Lost air pollution control equipment during power outage.

Name:	Not reported
Address:	1520 E SEPULVEDA
City,State,Zip:	CARSON, CA
OES Incident Number:	5-2512
OES notification:	04/27/2005
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported

PACIFIC PIPELINE SYS WILMINGTON STA (Continued) **S103963019**

Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2005
Agency:	Kinder Morgan
Incident Date:	4/27/200512:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	Crude Oil
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	The caller is reporting a stain of crude oil 4 feet by 4 feet

EMI:

Name:	PHILLIPS 66 COMPANY/LOS ANGELES REFINERY
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
Year:	2012
County Code:	19
Air Basin:	SC
Facility ID:	171109
Air District Name:	SC
SIC Code:	2911
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported

PACIFIC PIPELINE SYS WILMINGTON STA (Continued) **S103963019**

Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	140.21964477
Reactive Organic Gases Tons/Yr:	102.90369455
Carbon Monoxide Emissions Tons/Yr:	266.86472
NOX - Oxides of Nitrogen Tons/Yr:	328.91623
SOX - Oxides of Sulphur Tons/Yr:	217.22762
Particulate Matter Tons/Yr:	69.03032849
Part. Matter 10 Micrometers and Smllr Tons/Yr:	60.381831874

Name:	PHILLIPS 66 COMPANY/LOS ANGELES REFINERY
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
Year:	2013
County Code:	19
Air Basin:	SC
Facility ID:	171109
Air District Name:	SC
SIC Code:	2911
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	156.55473385
Reactive Organic Gases Tons/Yr:	115.6264743
Carbon Monoxide Emissions Tons/Yr:	285.58175
NOX - Oxides of Nitrogen Tons/Yr:	335.59228
SOX - Oxides of Sulphur Tons/Yr:	240.68301
Particulate Matter Tons/Yr:	72.50445675
Part. Matter 10 Micrometers and Smllr Tons/Yr:	63.344352283

Name:	PHILLIPS 66 COMPANY/LOS ANGELES REFINERY
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
Year:	2014
County Code:	19
Air Basin:	SC
Facility ID:	171109
Air District Name:	SC
SIC Code:	2911
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	113.5304512
Reactive Organic Gases Tons/Yr:	89.56729
Carbon Monoxide Emissions Tons/Yr:	125.11174
NOX - Oxides of Nitrogen Tons/Yr:	368.53168
SOX - Oxides of Sulphur Tons/Yr:	330.38315
Particulate Matter Tons/Yr:	75.30555
Part. Matter 10 Micrometers and Smllr Tons/Yr:	67.02117908

Name:	PHILLIPS 66 COMPANY/LOS ANGELES REFINERY
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
Year:	2015
County Code:	19
Air Basin:	SC
Facility ID:	171109
Air District Name:	SC

PACIFIC PIPELINE SYS WILMINGTON STA (Continued) **S103963019**

SIC Code:	2911
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	124.98468544
Reactive Organic Gases Tons/Yr:	96.929122522
Carbon Monoxide Emissions Tons/Yr:	124.5268415
NOX - Oxides of Nitrogen Tons/Yr:	400.8134085
SOX - Oxides of Sulphur Tons/Yr:	339.80392608
Particulate Matter Tons/Yr:	72.55000118
Part. Matter 10 Micrometers and Smllr Tons/Yr:	63.96330289

Name:	PHILLIPS 66 COMPANY/LOS ANGELES REFINERY
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
Year:	2016
County Code:	19
Air Basin:	SC
Facility ID:	171109
Air District Name:	SC
SIC Code:	2911
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	116.19710414
Reactive Organic Gases Tons/Yr:	88.8373677
Carbon Monoxide Emissions Tons/Yr:	124.2899
NOX - Oxides of Nitrogen Tons/Yr:	385.388105
SOX - Oxides of Sulphur Tons/Yr:	310.999308
Particulate Matter Tons/Yr:	70.902214
Part. Matter 10 Micrometers and Smllr Tons/Yr:	62.418345178

Name:	PHILLIPS 66 COMPANY/LOS ANGELES REFINERY
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
Year:	2017
County Code:	19
Air Basin:	SC
Facility ID:	171109
Air District Name:	SC
SIC Code:	2911
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	121.38315174
Reactive Organic Gases Tons/Yr:	92.4046526
Carbon Monoxide Emissions Tons/Yr:	143.15
NOX - Oxides of Nitrogen Tons/Yr:	391.36
SOX - Oxides of Sulphur Tons/Yr:	240.757643
Particulate Matter Tons/Yr:	67.1837072
Part. Matter 10 Micrometers and Smllr Tons/Yr:	58.620452192

Name:	PHILLIPS 66 COMPANY/LOS ANGELES REFINERY
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
Year:	2018
County Code:	19

PACIFIC PIPELINE SYS WILMINGTON STA (Continued) **S103963019**

Air Basin:	SC
Facility ID:	171109
Air District Name:	SC
SIC Code:	2911
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	113.13382296
Reactive Organic Gases Tons/Yr:	86.443694111
Carbon Monoxide Emissions Tons/Yr:	170.627125
NOX - Oxides of Nitrogen Tons/Yr:	390.4777715
SOX - Oxides of Sulphur Tons/Yr:	333.53369401
Particulate Matter Tons/Yr:	62.442317815
Part. Matter 10 Micrometers and Smllr Tons/Yr:	55.474303011

Name:	PHILLIPS 66 COMPANY/LOS ANGELES REFINERY
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
Year:	2019
County Code:	19
Air Basin:	SC
Facility ID:	171109
Air District Name:	SC
SIC Code:	2911
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	110.72023995
Reactive Organic Gases Tons/Yr:	81.921866997
Carbon Monoxide Emissions Tons/Yr:	80.8048988
NOX - Oxides of Nitrogen Tons/Yr:	292.2770192
SOX - Oxides of Sulphur Tons/Yr:	248.98029204
Particulate Matter Tons/Yr:	89.663047105
Part. Matter 10 Micrometers and Smllr Tons/Yr:	82.273582323

Name:	PHILLIPS 66 COMPANY/LOS ANGELES REFINERY
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
Year:	2020
County Code:	19
Air Basin:	SC
Facility ID:	171109
Air District Name:	SC
SIC Code:	2911
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	88.499914716
Reactive Organic Gases Tons/Yr:	65.8099395
Carbon Monoxide Emissions Tons/Yr:	22.27918
NOX - Oxides of Nitrogen Tons/Yr:	224.59
SOX - Oxides of Sulphur Tons/Yr:	175.429293
Particulate Matter Tons/Yr:	80.3641674
Part. Matter 10 Micrometers and Smllr Tons/Yr:	72.98996471

ENF:

Name:	LOS ANGELES REFINERY, CARSON PLANT

PACIFIC PIPELINE SYS WILMINGTON STA (Continued) **S103963019**

Address:	1520 EAST SEPULVEDA BOULEVARD
City,State,Zip:	CARSON, CA
Region:	4
Facility Id:	236009
Agency Name:	Phillips 66 Company Carson
Place Type:	Manufacturing
Place Subtype:	Petroleum Refinery
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	2911
SIC Desc 1:	Petroleum Refining
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	11
Threat To Water Quality:	2
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Cooling water: Noncontact
Facility Waste Type 2:	Stormwater runoff
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDLRG
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	4B192131026
Reg Measure Id:	381036
Reg Measure Type:	NPDES Permits
Region:	4
Order #:	R4-2012-0021
Npdes# CA#:	CA0063185
Major-Minor:	Major
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	10000
Status:	Historical
Status Date:	08/01/2017
Effective Date:	03/02/2012
Expiration/Review Date:	01/10/2017
Termination Date:	07/31/2017
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported

PACIFIC PIPELINE SYS WILMINGTON STA (Continued) **S103963019**

WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	392141
Region:	4
Order / Resolution Number:	Not reported
Enforcement Action Type:	Notice of Violation
Effective Date:	07/15/2013
Adoption/Issuance Date:	07/15/2013
Achieve Date:	Not reported
Termination Date:	07/15/2013
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	NOV 07/15/2013 for Phillips 66 Company
Description:	Q1 2013 self-monitoring report was due on 5/1/2013 and to date has not been received.
Program:	NPDINDLRG
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	LOS ANGELES REFINERY, CARSON PLANT
Address:	1520 EAST SEPULVEDA BOULEVARD
City,State,Zip:	CARSON, CA
Region:	4
Facility Id:	236009
Agency Name:	Phillips 66 Company Carson
Place Type:	Manufacturing
Place Subtype:	Petroleum Refinery
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	2911
SIC Desc 1:	Petroleum Refining
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported

PACIFIC PIPELINE SYS WILMINGTON STA (Continued) **S103963019**

NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	11
Threat To Water Quality:	2
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Cooling water: Noncontact
Facility Waste Type 2:	Stormwater runoff
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDLRG
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	4B192131026
Reg Measure Id:	381036
Reg Measure Type:	NPDES Permits
Region:	4
Order #:	R4-2012-0021
Npdes# CA#:	CA0063185
Major-Minor:	Major
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	10000
Status:	Historical
Status Date:	08/01/2017
Effective Date:	03/02/2012
Expiration/Review Date:	01/10/2017
Termination Date:	07/31/2017
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	385167
Region:	4
Order / Resolution Number:	Not reported
Enforcement Action Type:	Oral Communication
Effective Date:	05/17/2012
Adoption/Issuance Date:	05/17/2012
Achieve Date:	Not reported
Termination Date:	05/17/2012
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Oral Com 05/17/2012 for ConocoPhillips Company
Description:	Sent email to Alphonso Graves (Data Submitter) informing him that the rainfall data wasn't uploaded into CIWQS for 1st Quarter 2012 and asked that he included it with the 2nd

PACIFIC PIPELINE SYS WILMINGTON STA (Continued) **S103963019**

	Quarter 2012 submittal.
Program:	NPDINDLRG
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0
Name:	LOS ANGELES REFINERY, CARSON PLANT
Address:	1520 EAST SEPULVEDA BOULEVARD
City,State,Zip:	CARSON, CA
Region:	4
Facility Id:	236009
Agency Name:	ConocoPhillips Company Long Beach
Place Type:	Manufacturing
Place Subtype:	Petroleum Refinery
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	2911
SIC Desc 1:	Petroleum Refining
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	11.23
Threat To Water Quality:	2
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Cooling water: Noncontact
Facility Waste Type 2:	Stormwater runoff
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDESWW
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	4B192131026
Reg Measure Id:	134971
Reg Measure Type:	NPDES Permits
Region:	4
Order #:	94-001
Npdes# CA#:	CA0063185

PACIFIC PIPELINE SYS WILMINGTON STA (Continued) **S103963019**

Major-Minor:	Major
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	01/31/1994
Effective Date:	01/31/1994
Expiration/Review Date:	12/10/1998
Termination Date:	05/23/2001
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	241438
Region:	4
Order / Resolution Number:	NOV
Enforcement Action Type:	Notice of Violation
Effective Date:	03/25/2002
Adoption/Issuance Date:	03/25/2002
Achieve Date:	Not reported
Termination Date:	04/25/2002
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Revised NOV sent 3/25/02 for numerous effluent violations & late rpt submittals.
Description:	Revised NOV sent 3/25/02 for numerous effluent violations and late report submittals.
Program:	NPDESWW
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	LOS ANGELES REFINERY, CARSON PLANT
Address:	1520 EAST SEPULVEDA BOULEVARD
City,State,Zip:	CARSON, CA
Region:	4
Facility Id:	236009
Agency Name:	ConocoPhillips Company Long Beach
Place Type:	Manufacturing
Place Subtype:	Petroleum Refinery
Facility Type:	Industrial
Agency Type:	Privately-Owned Business

PACIFIC PIPELINE SYS WILMINGTON STA (Continued) **S103963019**

# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	2911
SIC Desc 1:	Petroleum Refining
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	11.23
Threat To Water Quality:	2
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Cooling water: Noncontact
Facility Waste Type 2:	Stormwater runoff
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDESWW
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	4B192131026
Reg Measure Id:	134971
Reg Measure Type:	NPDES Permits
Region:	4
Order #:	94-001
Npdes# CA#:	CA0063185
Major-Minor:	Major
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	01/31/1994
Effective Date:	01/31/1994
Expiration/Review Date:	12/10/1998
Termination Date:	05/23/2001
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	240323

PACIFIC PIPELINE SYS WILMINGTON STA (Continued) **S103963019**

Region:	4
Order / Resolution Number:	NOV
Enforcement Action Type:	Notice of Violation
Effective Date:	01/07/2002
Adoption/Issuance Date:	01/07/2002
Achieve Date:	Not reported
Termination Date:	02/07/2002
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	NOV sent 1/7/02 for numerous effluent violations and late report submittals.
Description:	NOV sent 1/7/02 for numerous effluent violations and late report submittals.
Program:	NPDESWW
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	LOS ANGELES REFINERY, CARSON PLANT
Address:	1520 EAST SEPULVEDA BOULEVARD
City,State,Zip:	CARSON, CA
Region:	4
Facility Id:	236009
Agency Name:	ConocoPhillips Company Long Beach
Place Type:	Manufacturing
Place Subtype:	Petroleum Refinery
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	2911
SIC Desc 1:	Petroleum Refining
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	11.23
Threat To Water Quality:	2
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Cooling water: Noncontact

PACIFIC PIPELINE SYS WILMINGTON STA (Continued) **S103963019**

Facility Waste Type 2:	Stormwater runoff
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDESWW
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	4B192131026
Reg Measure Id:	131111
Reg Measure Type:	NPDES Permits
Region:	4
Order #:	01-074
Npdes# CA#:	CA0063185
Major-Minor:	Major
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	10000
Status:	Historical
Status Date:	11/08/2006
Effective Date:	05/24/2001
Expiration/Review Date:	04/10/2006
Termination Date:	11/08/2006
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	357534
Region:	4
Order / Resolution Number:	SWB-2008-4-0025
Enforcement Action Type:	Admin Civil Liability
Effective Date:	01/20/2010
Adoption/Issuance Date:	01/20/2010
Achieve Date:	Not reported
Termination Date:	02/09/2010
ACL Issuance Date:	Not reported
EPL Issuance Date:	12/09/2008
Status:	Historical
Title:	Expedited Payment Letter for ConocoPhillips Company
Description:	Mandatory Minimum Penalty Amount Owed for Effluent Violations (0 Serious Violations + 6 Chronic Violations) + $3,000 = $18,000 to the Cleanup & Abatement Account
Program:	NPDESWW
Latest Milestone Completion Date:	2/9/2010
# Of Programs1:	1
Total Assessment Amount:	18000
Initial Assessed Amount:	18000
Liability $ Amount:	18000
Project $ Amount:	0
Liability $ Paid:	18000

PACIFIC PIPELINE SYS WILMINGTON STA (Continued) **S103963019**

Project $ Completed:	0
Total $ Paid/Completed Amount:	18000
Name:	LOS ANGELES REFINERY, CARSON PLANT
Address:	1520 EAST SEPULVEDA BOULEVARD
City,State,Zip:	CARSON, CA
Region:	4
Facility Id:	236009
Agency Name:	ConocoPhillips Company Long Beach
Place Type:	Manufacturing
Place Subtype:	Petroleum Refinery
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	2911
SIC Desc 1:	Petroleum Refining
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	11.23
Threat To Water Quality:	2
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Cooling water: Noncontact
Facility Waste Type 2:	Stormwater runoff
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDESWW
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	4B192131026
Reg Measure Id:	131111
Reg Measure Type:	NPDES Permits
Region:	4
Order #:	01-074
Npdes# CA#:	CA0063185
Major-Minor:	Major
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	10000
Status:	Historical
Status Date:	11/08/2006
Effective Date:	05/24/2001

PACIFIC PIPELINE SYS WILMINGTON STA (Continued) **S103963019**

Expiration/Review Date:	04/10/2006
Termination Date:	11/08/2006
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	228581
Region:	4
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Oral Communication
Effective Date:	05/26/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	05/26/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 4B192131026
Description:	The discharger phoned Board staff to report the effluent violation.
Program:	NPDESWW
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

LOS ANGELES CO. HMS:

Name:	PHILLIPS 66 CO-CARSON REFINERY
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 907456140
Region:	LA
Permit Category:	I
Facility Id:	000313-056794
Facility Type:	02
Facility Status:	Permit
Area:	22
Permit Number:	000021079
Permit Status:	Permit

Name:	PHILLIPS 66 CO-CARSON REFINERY
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 907456140
Region:	LA
Permit Category:	I
Facility Id:	000313-056794
Facility Type:	02

PACIFIC PIPELINE SYS WILMINGTON STA (Continued) **S103963019**

Facility Status: Permit
Area: 22
Permit Number: 000763983
Permit Status: Permit

Name: PHILLIPS 66 CO-CARSON REFINERY
Address: 1520 E SEPULVEDA BLVD
City,State,Zip: CARSON, CA 907456140
Region: LA
Permit Category: Not reported
Facility Id: 015393-056795
Facility Type: Not reported
Facility Status: OPEN
Area: 22
Permit Number: Not reported
Permit Status: Not reported

Name: PHILLIPS 66 REFINERY
Address: 1520 E SEPULVEDA BLVD
City,State,Zip: CARSON, CA 907456140
Region: LA
Permit Category: Not reported
Facility Id: 015393-057986
Facility Type: Not reported
Facility Status: OPEN
Area: 22
Permit Number: Not reported
Permit Status: Not reported

NPDES:
Name: LOS ANGELES REFINERY, CARSON PLANT
Address: 1520 EAST SEPULVEDA BOULEVARD
City,State,Zip: CARSON, CA 90745-6140
Facility Status: Active
NPDES Number: CA0063185
Region: 4
Agency Number: 534488
Regulatory Measure ID: 411309
Place ID: 236009
Order Number: R4-2017-0120
WDID: 4B192131026
Regulatory Measure Type: NPDES Permits
Program Type: NPDINDLRG
Adoption Date Of Regulatory Measure: 06/01/2017
Effective Date Of Regulatory Measure: 08/01/2017
Termination Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: 07/31/2022
Discharge Address: 1520 East Sepulveda Boulevard
Discharge Name: Phillips 66 Company Carson
Discharge City: Carson
Discharge State: CA
Discharge Zip: 90745
Status: Not reported
Status Date: Not reported
Operator Name: Not reported
Operator Address: Not reported
Operator City: Not reported

PACIFIC PIPELINE SYS WILMINGTON STA (Continued) **S103963019**

Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	CA0063185
Status:	Historical
Agency Number:	534488
Region:	4
Regulatory Measure ID:	381036
Order Number:	R4-2012-0021
Regulatory Measure Type:	NPDES Permits
Place ID:	236009
WDID:	4B192131026
Program Type:	NPDINDLRG
Adoption Date Of Regulatory Measure:	02/02/2012
Effective Date Of Regulatory Measure:	03/02/2012
Expiration Date Of Regulatory Measure:	01/10/2017
Termination Date Of Regulatory Measure:	07/31/2017
Discharge Name:	Phillips 66 Company Carson
Discharge Address:	1520 East Sepulveda Boulevard
Discharge City:	Carson
Discharge State:	CA
Discharge Zip:	90745
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported

PACIFIC PIPELINE SYS WILMINGTON STA (Continued) **S103963019**

Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

NPDES Number:	CA0063185
Status:	Active
Agency Number:	534488
Region:	4
Regulatory Measure ID:	411309
Order Number:	R4-2017-0120
Regulatory Measure Type:	NPDES Permits
Place ID:	236009
WDID:	4B192131026
Program Type:	NPDINDLRG
Adoption Date Of Regulatory Measure:	06/01/2017
Effective Date Of Regulatory Measure:	08/01/2017
Expiration Date Of Regulatory Measure:	07/31/2022
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Phillips 66 Company Carson
Discharge Address:	1520 East Sepulveda Boulevard
Discharge City:	Carson
Discharge State:	CA
Discharge Zip:	90745
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

PACIFIC PIPELINE SYS WILMINGTON STA (Continued) **S103963019**

Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CIWQS:

Name:	LOS ANGELES REFINERY, CARSON PLANT
Address:	1520 EAST SEPULVEDA BOULEVARD
City,State,Zip:	CARSON, CA 90745
Agency:	ConocoPhillips Company Long Beach
Agency Address:	3900 Kilroy Airport Way 210, Long Beach, CA 90806
Place/Project Type:	Petroleum Refinery
SIC/NAICS:	2911
Region:	4
Program:	NPDESWW, NPDINDLRG
Regulatory Measure Status:	Historical
Regulatory Measure Type:	NPDES Permit
Order Number:	R4-2006-0082
WDID:	4B192131026
NPDES Number:	CA0063185

PACIFIC PIPELINE SYS WILMINGTON STA (Continued) **S103963019**

Adoption Date:	11/09/2006
Effective Date:	12/09/2006
Termination Date:	03/01/2012
Expiration/Review Date:	10/09/2011
Design Flow:	11
Major/Minor:	Major
Complexity:	A
TTWQ:	2
Enforcement Actions within 5 years:	0
Violations within 5 years:	1
Latitude:	Not reported
Longitude:	Not reported

Name:	LOS ANGELES REFINERY, CARSON PLANT
Address:	1520 EAST SEPULVEDA BOULEVARD
City,State,Zip:	CARSON, CA 90745
Agency:	Phillips 66 Company Carson
Agency Address:	1520 East Sepulveda Boulevard, Carson, CA 90745
Place/Project Type:	Petroleum Refinery
SIC/NAICS:	2911
Region:	4
Program:	NPDINDLRG
Regulatory Measure Status:	Active
Regulatory Measure Type:	NPDES Permit
Order Number:	R4-2017-0120
WDID:	4B192131026
NPDES Number:	CA0063185
Adoption Date:	06/01/2017
Effective Date:	08/01/2017
Termination Date:	Not reported
Expiration/Review Date:	07/31/2022
Design Flow:	11
Major/Minor:	Major
Complexity:	A
TTWQ:	2
Enforcement Actions within 5 years:	0
Violations within 5 years:	1
Latitude:	Not reported
Longitude:	Not reported

CERS:

Name:	PHILLIPS 66 COMPANY, CARSON PLANT
Address:	1520 E SEPULVEDA BLVD
City,State,Zip:	CARSON, CA 90745
Site ID:	399547
CERS ID:	10263874
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	399547
Site Name:	PHILLIPS 66 COMPANY, CARSON PLANT
Violation Date:	06-25-2020
Citation:	19 CCR 4.5 2745.1(a) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2745.1(a)
Violation Description:	Failure to submit an RMP which includes all requirements described in section 2745.3 through 2745.9.
Violation Notes:	Returned to compliance on 10/22/2020. OBSERVATION: The owner or

PACIFIC PIPELINE SYS WILMINGTON STA (Continued) **S103963019**

operator failed to submit a risk management plan (RMP) which includes the Program 4 requirements as provided in Section 2745.7.5. The five year RMP update submitted to the United States Environmental Protection Agency (US EPA) on June 17, 2019 included data on prevention program elements for Program 3. A copy of this RMP was submitted with a cover letter from the Senior Process Safety Consultant to the Unified Program Agency (UPA). The cover letter specified that the UPA would receive the Program 4 update before October 2019; however, the Program 4 data elements were not submitted. CORRECTIVE ACTION: Submit the Program 4 prevention program elements and information as required by Section 2745.7.5 to the UPA.

Violation Division: Los Angeles County Fire Department
Violation Program: CalARP
Violation Source: CERS,

Site ID: 399547
Site Name: PHILLIPS 66 COMPANY, CARSON PLANT
Violation Date: 06-25-2020
Citation: 19 CCR 4.5 2762.2(a) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2762.2(a)
Violation Description: Failure to perform and document an effective PHA appropriate to the complexity of each process in order to identify, evaluate, and control hazards associated with each process. Failed to cover all modes of operation, as set forth in subsection 2762.3 (a)(1), in the PHA. Failed to determine and document the priority order for conducting PHAs based on the extent of process hazards, the number of potentially affected people, the age of the process and the process operating history.
Violation Notes: Returned to compliance on 10/22/2020. OBSERVATION: The owner or operator failed to determine and document the priority order for conducting PHAs based on the extent of process hazards, the number of potentially affected people, the age of the process and the process operating history. The Los Angeles Refinery Policy and Procedure (LAR P & P) 4-1-37 Process Hazard Analyses (PHA) and Layer of Protection Analysis (LOPA) states the following: The priority order for conducting PHAs can be based on the extent of process hazards, the number of potentially affected people, the age of the process and the process operating history. Los Angeles Refinery deems all processes to be equal in terms of potential for a process safety event and shall adhere to the previously established PHA scheduling. CORRECTIVE ACTION: Determine and document the priority order for conducting PHAs based on the extent of process hazards, the number of potentially affected people, the age of the process and the process operating history. [Truncated]
Violation Division: Los Angeles County Fire Department
Violation Program: CalARP
Violation Source: CERS,

Site ID: 399547
Site Name: PHILLIPS 66 COMPANY, CARSON PLANT
Violation Date: 04-25-1994
Citation: 01002 - Search Title 8 regulations for 6151 C01 at https://www.dir.ca.gov/title8/index/T8index.asp
Violation Description: Cal/OSHA Violation
Violation Notes: Not reported
Violation Division: Cal/OSHA
Violation Program: OSHA

PACIFIC PIPELINE SYS WILMINGTON STA (Continued) **S103963019**

Violation Source: CERS,

Site ID: 399547
Site Name: PHILLIPS 66 COMPANY, CARSON PLANT
Violation Date: 08-10-1995
Citation: 02001 - Search Title 8 regulations for 23200002 A03 at https://www.dir.ca.gov/title8/index/T8index.asp
Violation Description: Cal/OSHA Violation
Violation Notes: Not reported
Violation Division: Cal/OSHA
Violation Program: OSHA
Violation Source: CERS,

Site ID: 399547
Site Name: PHILLIPS 66 COMPANY, CARSON PLANT
Violation Date: 10-12-2001
Citation: 06001 - Search Title 8 regulations for 5607 A at https://www.dir.ca.gov/title8/index/T8index.asp
Violation Description: Cal/OSHA Violation
Violation Notes: Not reported
Violation Division: Cal/OSHA
Violation Program: OSHA
Violation Source: CERS,

Site ID: 399547
Site Name: PHILLIPS 66 COMPANY, CARSON PLANT
Violation Date: 06-25-2020
Citation: 19 CCR 4.5 2762.4(a) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2762.4(a)
Violation Description: (1) Failure to train each employee involved in operating a process, and each operating employee prior to working in a newly assigned process, in an overview of the process and in the operating procedures as specified in section 2762.3. Failure to include material on the specific safety and health hazards applicable to the employee's job tasks, procedures, including emergency operations and shutdown, and safe work practices applicable to the employee's job tasks. (2) Failure to train each employee involved in maintaining the on-going integrity of process equipment in an overview of that process and its hazards and in the procedures applicable to the employee's job tasks to assure that the employee can perform the job tasks in a safe manner.
Violation Notes: Returned to compliance on 10/22/2020. OBSERVATION: the owner or operator failed to train each operator of the Coker unit involved in maintaining the on-going integrity of LCGO pumps after a process change was made to the seal flush cooler to assure the operator can perform the job tasks in a safe manner. During an interview on July 16, 2019 at 1:45 p.m., Prieto stated that on May 2, 2019, the operators and the Reliability Group mechanics started up PCK-10 and there had been a change to the seal flush cooling system. Prieto explained there had been a problem with the seal flush cooler and the impeller was not spinning which indicated there was no water flow through the seal flush cooler. Richard Barton (Barton), Mechanical Supervisor, opened a valve at the bottom of the seal flush cooler and water drained on the ground. The impeller began moving which indicated water flow had resumed. During an interview on November 13, 2019, at 11:45 a.m., Barton described the purpose of the seal flush cooler: it receives [Truncated]

PACIFIC PIPELINE SYS WILMINGTON STA (Continued) **S103963019**

Violation Division: Los Angeles County Fire Department
Violation Program: CalARP
Violation Source: CERS,

Site ID: 399547
Site Name: PHILLIPS 66 COMPANY, CARSON PLANT
Violation Date: 03-14-1994
Citation: 01002 - Search Title 8 regulations for 3314 F at https://www.dir.ca.gov/title8/index/T8index.asp
Violation Description: Cal/OSHA Violation
Violation Notes: Not reported
Violation Division: Cal/OSHA
Violation Program: OSHA
Violation Source: CERS,

Site ID: 399547
Site Name: PHILLIPS 66 COMPANY, CARSON PLANT
Violation Date: 09-17-2019
Citation: 19 CCR 4.5 2762.5(c) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2762.5(c)
Violation Description: Failure to correct equipment deficiencies to ensure safe operation of process equipment. Failure to ensure repair methodologies are consistent with RAGAGEP or more protective internal practices.
Violation Notes: Returned to compliance on 07/21/2020. OBSERVATION: The owner or operator failed to correct deficiencies of the DU-22 pump and suction valve and the DU-23 seal flush cooler to ensure safe operation of the pumps. A review of the refinery s maintenance and mechanical integrity database, SAP, revealed the following: Leah Moore, Rotating Equipment and Reliability Engineer created SAP Notification, 16042281, on 12/29/2017 and stated DU-22 pump has very high vibration. Seems like unbalance in the horizontal axis. On 12/29/2017, she stated DU-22 coupling shims are cracked. Please replace and re-align. DU-22 pump was repaired on 01/22/2018; however, no post repair test was conducted to confirm the observed and documented mechanical integrity issues had been properly addressed and resolved. On 01/05/2019, SAP notification 16228225 was created for DU-23, for no cooling water through seal cooler. The corresponding order number 61797696 was never started or completed to repair the DU-23 seal cooler issue. A [Truncated]
Violation Division: Los Angeles County Fire Department
Violation Program: CalARP
Violation Source: CERS,

Site ID: 399547
Site Name: PHILLIPS 66 COMPANY, CARSON PLANT
Violation Date: 05-03-2019
Citation: 02001 - Search Title 8 regulations for 4070(A) at https://www.dir.ca.gov/title8/index/T8index.asp
Violation Description: Cal/OSHA Violation
Violation Notes: Not reported
Violation Division: Cal/OSHA
Violation Program: OSHA
Violation Source: CERS,

Site ID: 399547
Site Name: PHILLIPS 66 COMPANY, CARSON PLANT
Violation Date: 06-25-2020
Citation: 19 CCR 4.5 2762.7(b) - California Code of Regulations, Title 19,

PACIFIC PIPELINE SYS WILMINGTON STA (Continued) **S103963019**

Chapter 4.5, Section(s) 2762.7(b)

Violation Description: Failure to confirm, as a verification check, independent of the management of change process, that prior to the introduction of highly hazardous materials to a process: (1) Construction, maintenance, and repair work has been performed in accordance with design specifications; (2) Process equipment has been maintained and is operable in accordance with design specifications; (3) Effective safety, operating, maintenance, and emergency procedures are in place; (4) For new process units, a PHA, HCA, DMR, and SPA have each been performed as applicable pursuant to Article 6.5, and recommendations have been implemented or resolved before start-up. For new or modified processes, all changes have been implemented in accordance with the requirements contained in the MOC, section 2762.6; and, (5) Training of each operating employee and maintenance employee affected by the change has been completed.

Violation Notes: Returned to compliance on 10/22/2020. OBSERVATION: The owner or operator failed to ensure that prior to the introduction of highly hazardous materials to the Coker process, the PSSR confirms the following: construction, maintenance, and repair work for the newly installed PCK-10 pump was performed in accordance with design specifications; the PCK-10 pump Ladish valve was maintained and operable in accordance with design specifications; and changes to the modified PCK-14 and PCK-10 pumps were implemented in accordance with the MOC requirements in section 2762.6. A review of the Incident Investigation Report, IMPACT #327900 revealed -inch block valve was missing 2 bonnet bolts, the bonnet gasket was missing, the bonnet bolts were cap screws rather than a stud with 2 nuts. The -inch block valve did not meet the Ladish valve design specifications as it was missing the required body bolts/studs, body nuts, and body gasket at the time of the PCK-10 startup. One of the incident corrective actions was to [Truncated]

Violation Division: Los Angeles County Fire Department
Violation Program: CalARP
Violation Source: CERS,

Site ID: 399547
Site Name: PHILLIPS 66 COMPANY, CARSON PLANT
Violation Date: 06-25-2020
Citation: 19 CCR 4.5 2762.5(c) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2762.5(c)

Violation Description: Failure to correct equipment deficiencies to ensure safe operation of process equipment. Failure to ensure repair methodologies are consistent with RAGAGEP or more protective internal practices.

Violation Notes: Returned to compliance on 10/15/2020. OBSERVATION: The owner/operator failed to repair or replace a blocked seal flush cooler at the PCK-10 pump and a non-functional check valve at the PCK-14 pump discharge pipe before further use and ensure safe operation of the pumps until the seal flush cooler and check valve could be corrected. A review of the May 2, 2019 shift relief report by Lopez revealed the operational condition of PCK-10: Ran PCK-10, all looks good but need to fix seal water cooler. Water cooler outlet open to grade, ok to run overnight Per Liah and Richard. The shift notes did not reference a work order for repairing or replacing the seal flush cooler and the check valve, or specify any means to assure safe operation of the PCK-10 and PCK-14 pumps. A review of SAP work order request, #61884480, for the leaking seal flush cooler at the PCK-10 pump revealed PCK-10 seal oil water cooler is in bad shape and leaking. On April 2, 2019, a machinist

PACIFIC PIPELINE SYS WILMINGTON STA (Continued) **S103963019**

initiated work order #116268338 for routine [Truncated]
Violation Division: Los Angeles County Fire Department
Violation Program: CalARP
Violation Source: CERS,

Site ID: 399547
Site Name: PHILLIPS 66 COMPANY, CARSON PLANT
Violation Date: 09-17-2019
Citation: 19 CCR 4.5 2765.2(a) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2765.2(a)
Violation Description: Failure to develop, implement, and maintain at the stationary source an emergency response program that includes the following elements: 1. Procedures for informing and interfacing with the public and local emergency response agencies about accidental releases, emergency planning, and emergency response. 2. Documentation of proper first-aid and emergency medical treatment necessary to treat accidental human exposures. 3. Procedures and measures for emergency response after an accidental release of a regulated substance. 4. Procedures for the use of emergency response equipment and for its inspection, testing, and maintenance are developed by the stationary source. 5. Training for all employees in relevant procedures and relevant aspects of the Incident Command System. 6. Procedures to review and update the emergency response plan to reflect changes at the stationary source are developed and employees are informed of these changes.
Violation Notes: Returned to compliance on 07/21/2020. OBSERVATION: The owner or operator failed to train employees in relevant procedures and relevant aspects of the Incident Command System (ICS) for the emergency response program. On March 15, 2019, Leo Thompson, Utility Operator at the Crude Unit, operated a fire hose during the DU-22 Pump Fire Incident without having the required ICS training. On March 26, 2019, during an interview, Leo Thompson said that the fire at the DU-22 pump started at approximately 7:15 pm on March 15, 2019. Mr. Thompson described the sound of the fireball as a loud huff. As he walked around accumulator, Victor 3430, he felt the blast wave and heat of the fire ball and explosion and saw the smoke. After he used his radio to inform the control room of the fire, he activated the air power to the deluge system and turned on a fire monitor. Then he proceeded to use a fire hose next to pump 8098. He said that while he was using the fire hose, he was standing in oily water above his mid-calf. [Truncated]
Violation Division: Los Angeles County Fire Department
Violation Program: CalARP
Violation Source: CERS,

Site ID: 399547
Site Name: PHILLIPS 66 COMPANY, CARSON PLANT
Violation Date: 06-25-2020
Citation: 19 CCR 4.5 2762.6(f) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2762.6(f)
Violation Description: Failure to ensure employees involved in the process as well as maintenance workers whose job tasks will be affected by a change, are informed of, and effectively trained in the change in a timely manner, prior to implementation of the change. Failure to make the MOC documentation available to and require effective training in the change prior to implementation of the change, pursuant to section 2762.12, for contractors and employees of contractors who are operating the process and whose job tasks are affected by a change.

PACIFIC PIPELINE SYS WILMINGTON STA (Continued) **S103963019**

Violation Notes:	Returned to compliance on 10/22/2020. OBSERVATION: The owner or operator failed to ensure that operators whose job tasks would be affected by a change, were informed of, and effectively trained in the change in a timely manner, prior to implementation of the change. Prieto and Fears were not trained on permanent MOCs, M20192273 and M20135455. M20192273 was regarding the following changes: removal of corrosion probes, flanges, and reducing tees from the discharge pipe downstream of the LCGO pumps, PCK-10 and PCK-14; provision of a straight pipe connected by a different welding material; removal of an alarm/instrumentation device, and an update to the PSI. M20135455 was in regard to a major capital project involving the following changes: replacement of the multistage pumps with single stage overhung pumps; process modification of piping, valves, and flanges to fit the single stage overhung pumps; changes in seal plans; and changes to standard operating procedures (SOP). The change involved the need for [Truncated]
Violation Division:	Los Angeles County Fire Department
Violation Program:	CalARP
Violation Source:	CERS,
Site ID:	399547
Site Name:	PHILLIPS 66 COMPANY, CARSON PLANT
Violation Date:	08-04-2015
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 08/13/2015. OBSERVATION: The facility has not submitted the Hazardous Materials Inventory Chemical Description page for flammable materials at the propane and butane unit and the crude unit to the CUPA. CORRECTIVE ACTION: Complete and submit the Hazardous Materials Inventory Chemical Description page for the flammable materials at the units listed above electronically in the California Enviranmental Reporting System (CERS).
Violation Division:	Los Angeles County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	399547
Site Name:	PHILLIPS 66 COMPANY, CARSON PLANT
Violation Date:	06-18-2008
Citation:	01001 - Search Title 8 regulations for 1509 A at https://www.dir.ca.gov/title8/index/T8index.asp
Violation Description:	Cal/OSHA Violation
Violation Notes:	Not reported
Violation Division:	Cal/OSHA
Violation Program:	OSHA
Violation Source:	CERS,
Site ID:	399547
Site Name:	PHILLIPS 66 COMPANY, CARSON PLANT
Violation Date:	06-25-2020
Citation:	HSC 6.95 25510(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25510(a)
Violation Description:	Failure to report a release or threatened release of a hazardous material to the unified program agency and to OES.

PACIFIC PIPELINE SYS WILMINGTON STA (Continued) **S103963019**

Violation Notes:	Returned to compliance on 10/22/2020. OBSERVATION: Upon discovery of the Coker fire on May 2, 2019, the owner or operator failed to immediately report a release or threatened release of a hazardous material, or an actual release of a hazardous substance to the UPA, and to the California Office of Emergency Services (CalOES). The owner or operator failed to provide a CalOES Spill report to demonstrate the incident was reported. A review of Impact Report #327900 revealed that a process safety and environmental incident occurred at 4:45 p.m., on May 2, 2019, when a fire was reported at the Coker unit in the area of the LCGO pumps. According to the Phillips 66 submitted letter dated July 15, 2019, approximately 85 barrels (3,570 lbs.) of LCGO was released. During an interview on June 27, 2019, Ed Becker, Health and Safety Manager, stated there had been a miscommunication when Shelly Micuzzi had called CalOES, the representative told her she did not need to make the notification to the UPA and CalOES [Truncated]
Violation Division:	Los Angeles County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	399547
Site Name:	PHILLIPS 66 COMPANY, CARSON PLANT
Violation Date:	09-17-2019
Citation:	19 CCR 4.5 2762.3(a) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2762.3(a)
Violation Description:	Failure to develop and implement effective written operating procedures with clear instructions for safely conducting activities involved in each process with the process safety information.
Violation Notes:	Returned to compliance on 07/21/2020. OBSERVATION: The owner or operator failed to develop and implement specific operating procedures for centrifugal reflux pumps, DU-21, DU-22, and DU-23, such as for removing pumps from service, returning pumps to service, and switching to a spare (standby) pump. Furthermore, operators stated they did not have or use any written operating procedures for returning DU-22 to service during or prior to the DU-22 Pump Fire Incident on March 15, 2019. On March 15, 2019, the crude unit operating employees removed DU-23 from service due to a mechanical issue and placed the spare pump, DU-22, into service without implementing any specific operating procedures or steps to ensure a safe operation. DU-22 had been removed from service for repairs and had not been in operation since January 18, 2018. During interview on April 2, 2019, Daniel Viveros, Operator, provided the following statements: On March 15, 2019, DU-22 was placed back into service because DU-23 had a leak of [Truncated]
Violation Division:	Los Angeles County Fire Department
Violation Program:	CalARP
Violation Source:	CERS,
Site ID:	399547
Site Name:	PHILLIPS 66 COMPANY, CARSON PLANT
Violation Date:	06-25-2020
Citation:	19 CCR 4.5 2762.5(d) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2762.5(d)
Violation Description:	(1) Failure to ensure that all process equipment at a minimum complies with the criteria established in subsection 2762.1(d). Failure to ensure that all process equipment is: (1) suitable for the process application for which it is or will be used; (2) fabricated from the proper materials of construction; (3) designed, constructed, installed, maintained, inspected, tested, operated and replaced in

PACIFIC PIPELINE SYS WILMINGTON STA (Continued) **S103963019**

compliance with the manufacturer's and any other design specifications and all applicable codes and standards. (2) Failure to ensure and document newly installed process equipment or existing process equipment for which no RAGAGEP exists, are designed, built, installed, maintained, inspected, tested and operated in a safe manner. (3) Failure to conduct regularly scheduled checks and inspections as necessary to ensure that the requirements of paragraph (1) are met. (4) Failure to ensure that maintenance materials, spare parts and equipment meet design specifications and applicable codes. (5)Failure to establish a process for evaluating new or updated equipment codes and standards and implementing changes as appropriate to ensure safe operation.

Violation Notes: Returned to compliance on 10/22/2020. OBSERVATION: The owner or operator failed to ensure that the PCK-10 Ladish valve and the CK-4 chain operated valve were designed, constructed, installed, maintained, inspected, tested, operated and replaced in compliance with the manufacturer s specifications and applicable codes and standards. A review of the Los Angeles Refinery Coker Fire, Incident Investigation Report IMPACT #327900 revealed the -inch block valve was missing 2 bonnet bolts, the bonnet gasket was missing, the bonnet bolts were cap screws rather than a stud with 2 nuts The Incident Corrective Actions addressed the need to improve valve rebuild quality with checklists, bolt torqueing requirements, and gasket verification. During an interview on June 27, 2019, at 10:40 a.m., Barton stated Emergency Response Team (ERT) members had to climb a ladder to the CK-4 Stripper and manually close a vent line from CK-4 to CK-1 Fractionator and a suction line of PCK-10 from CK-4. During an interview on [Truncated]
Violation Division: Los Angeles County Fire Department
Violation Program: CalARP
Violation Source: CERS,

Site ID: 399547
Site Name: PHILLIPS 66 COMPANY, CARSON PLANT
Violation Date: 01-19-1994
Citation: 05001 - Search Title 8 regulations for 3314 B at https://www.dir.ca.gov/title8/index/T8index.asp
Violation Description: Cal/OSHA Violation
Violation Notes: Not reported
Violation Division: Cal/OSHA
Violation Program: OSHA
Violation Source: CERS,

Site ID: 399547
Site Name: PHILLIPS 66 COMPANY, CARSON PLANT
Violation Date: 06-25-2020
Citation: 19 CCR 4.5 2762.3(a) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2762.3(a)
Violation Description: Failure to develop and implement effective written operating procedures with clear instructions for safely conducting activities involved in each process with the process safety information.
Violation Notes: Returned to compliance on 10/15/2020. OBSERVATION: The owner or operator failed to develop and implement an operating procedure for and starting and switching PCK-14 and PCK-10 pumps. A review of the LAR P & P, Operating Information, Procedures, and Training Manual, 5-1-5, revealed the process supervisor or a shift supervisor performs the following steps: determines a use category for an operating

PACIFIC PIPELINE SYS WILMINGTON STA (Continued) **S103963019**

procedure according to Attachment 3, Risk-Based Use Categories; writes the operating procedure; assigns a subject matter expert to review the new operating procedure; and certifies that the new operating procedure is ready for use. A review of the East Operations master operating and emergency procedures index, however, revealed there was no operating procedure for switching light coker gas oil (LCGO) service between the PCK-10 and PCK-14 pumps. During an interview on July 16, 2019 at 1:45 p.m., David Prieto (Prieto), Operator, stated that there were no operating procedures on how to start or switch pumps. [Truncated]

Violation Division: Los Angeles County Fire Department
Violation Program: CalARP
Violation Source: CERS,

Site ID: 399547
Site Name: PHILLIPS 66 COMPANY, CARSON PLANT
Violation Date: 06-25-2020
Citation: 19 CCR 4.5 2762.8(a) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2762.8(a)
Violation Description: Failure to conduct an effective compliance audit and certify every three (3) years that the procedures and practices developed under Article 6.5 have been evaluated to verify they are in compliance with the provisions of Article 6.5, and are being followed.
Violation Notes: Returned to compliance on 10/15/2020. OBSERVATION: The owner or operator failed to conduct and certify a compliance audit based on an evaluation of procedures and practices developed under Article 6.5 (Program 4) of the CalARP regulations. A review of the compliance audit report, dated October 9, 2018, Attachment A, exhibited non-conformances of the following California Accidental Release Prevention (CalARP) regulations: 19 CCR 2760.1, 19 CCR 2760.2, 19 CCR 2760.5, 19 CCR 2760.6, 19 CCR 2760.7; these were based on Program 3 (Article 6) requirements, and not on Program 4 requirements. CORRECTIVE ACTION: Conduct an effective compliance audit and certify that the owner or operator has evaluated the procedures and practices developed under Article 6.5. Provide a copy of the compliance audit to the UPA.
Violation Division: Los Angeles County Fire Department
Violation Program: CalARP
Violation Source: CERS,

Site ID: 399547
Site Name: PHILLIPS 66 COMPANY, CARSON PLANT
Violation Date: 09-17-2019
Citation: 19 CCR 4.5 2762.5(b) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2762.5(b)
Violation Description: (1) Failure to ensure inspections and tests are performed on process equipment, using procedures that meet or exceed recognized and generally accepted good engineering practices (RAGAGEP). (2) Failure to ensure the frequency of inspections and tests of process equipment are consistent with (1) the applicable manufacturers' recommendations, (2) RAGAGEP, or (3) internal practices that are more protective than (1) or (2). Failure to ensure inspections and tests are conducted more frequently if necessary, based on the operating experience with the process equipment. (3) Failure to retain a certification record to document that each inspection and test has been performed in accordance with subsection 2762.5. Failure to ensure the certification record identifies the date of the inspection; the name of the person

PACIFIC PIPELINE SYS WILMINGTON STA (Continued) **S103963019**

who performed the inspection or test; a description of the inspection or test performed; the results of the inspection or test; and the serial number or other identifier of the equipment on which the inspection or test was performed.

Violation Notes: Returned to compliance on 07/21/2020. OBSERVATION: The owner or operator failed to perform inspection and tests on the DU-21, DU-22, and DU-23 centrifugal reflux pumps using procedures that meet or exceed RAGAGEP. The inspection and testing frequencies were inconsistent with RAGAGEP, such as API 610, API 682 or the Phillips 66 Refining Recommended Best Practice (BP), Rotating Equipment Routine Pump Care, M-45 BP-4. The owner or operator failed to document that the required inspection and test was performed. During interview on April 2, 2019, Leah Moore, Rotating Equipment and Reliability Engineer, provided the following statements: on or about December 2017, she created the Reliability Rounds Routine Pump Care form for recording and documenting the inspection results. She stated reliability rounds are made every three months, and vibration analysis is currently conducted monthly. Prior to that time, maintenance for pumps or reliability rounds had only been visual inspections, and there had been no [Truncated]

Violation Division: Los Angeles County Fire Department
Violation Program: CalARP
Violation Source: CERS,

Site ID: 399547
Site Name: PHILLIPS 66 COMPANY, CARSON PLANT
Violation Date: 09-17-2019
Citation: 19 CCR 4.5 2762.5(a) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2762.5(a)

Violation Description: Failure to develop, implement, and maintain effective written procedures to ensure the ongoing integrity of process equipment. (1) Failure to ensure the procedures provide clear instructions for safely conducting maintenance activities on process equipment, consistent with the Process Safety Information. (2) Failure to ensure the procedures and inspection documents developed under subsection 2762.5 are readily accessible to employees and employee representatives pursuant to section 2762.10.

Violation Notes: Returned to compliance on 07/21/2020. OBSERVATION: The owner or operator failed to develop and implement written procedures for maintenance of the DU-21, DU-22, and DU-23 centrifugal reflux pumps. The Phillips 66 Refining Recommended Best Practice (BP), Rotating Equipment Routine Pump Care, M-45 BP-4, is a corporate guide for maintaining the ongoing integrity of the rotary equipment; however, there was no evidence to demonstrate any site specific written maintenance procedures were developed or implemented for the Los Angeles Refinery. During interview on April 2, 2019, Leah Moore, Rotating Equipment and Reliability Engineer, provided the following statements: Pumps like DU-22 require the following maintenance: motor gets greased, oil mist is inspected, and vibration values are recorded as a part of the reliability rounds if the pump is in operation. Written notification is created in SAP when there is an equipment issue which would require maintenance and the shop supervisor is notified. The shop [Truncated]

Violation Division: Los Angeles County Fire Department
Violation Program: CalARP
Violation Source: CERS,

PACIFIC PIPELINE SYS WILMINGTON STA (Continued) **S103963019**

Site ID: 399547
Site Name: PHILLIPS 66 COMPANY, CARSON PLANT
Violation Date: 06-25-2020
Citation: 19 CCR 4.5 2762.8(c) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2762.8(c)
Violation Description: Failure to prepare a written report of the compliance audit that includes the scope, methods used, questions asked to assess each program element along with findings and recommendations of the compliance audit. Failure to ensure the written report also documents the qualifications of those persons performing the compliance audit. Failure to make the report available to employees and employee representatives, in accordance with section 2762.10. Failure to respond in writing within 60 calendar days to any written employee or employee representative comments on the written audit report.
Violation Notes: Returned to compliance on 10/15/2020. OBSERVATION: The owner or operator failed to include questions asked to assess each program element along with findings and recommendations in the compliance audit report. Review of the compliance audit report, dated October 9, 2018, revealed questions asked to assess each program element or questionnaire checklist were not included in the report. CORRECTIVE ACTION: Provide a written compliance audit report that includes questions asked to assess each program element.
Violation Division: Los Angeles County Fire Department
Violation Program: CalARP
Violation Source: CERS,

Site ID: 399547
Site Name: PHILLIPS 66 COMPANY, CARSON PLANT
Violation Date: 12-29-1993
Citation: 05001 - Search Title 8 regulations for 3314 B at https://www.dir.ca.gov/title8/index/T8index.asp
Violation Description: Cal/OSHA Violation
Violation Notes: Not reported
Violation Division: Cal/OSHA
Violation Program: OSHA
Violation Source: CERS,

Site ID: 399547
Site Name: PHILLIPS 66 COMPANY, CARSON PLANT
Violation Date: 09-17-2019
Citation: 19 CCR 4.5 2762.6(a) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2762.6(a)
Violation Description: Failure to develop, implement and maintain effective written Management of Change (MOC) procedures to manage changes in process chemicals, technology, procedures, process equipment, and facilities. Failure to also develop, implement and maintain written Management of Organizational Change (MOOC) procedures to manage changes in personnel or organizational issues. The MOC procedure shall include provisions for temporary repairs, including temporary piping or equipment repairs.
Violation Notes: Returned to compliance on 07/21/2020. OBSERVATION: On 01/05/2019, SAP notification 16228225 was created for DU-23, for no cooling water through seal cooler. The corresponding order number 61797696 was never started or completed to repair the DU-23 seal cooler issue. A second SAP notification,16245570, was created on 02/07/2019 to replace DU-23 seal flush cooler. The corresponding order number 61833282 was created on 02/14/2019; however, the actual work was not started or completed.

PACIFIC PIPELINE SYS WILMINGTON STA (Continued) **S103963019**

The DU-5 Crude Board Operator, Anthony Concha, created a third SAP notification, 16262587, on 03/14/2019 to repair the seal flush leak on the DU-23 pump. Additionally, he documented in the DU-5 Crude Board Operator Log Book comments, DU-23 UCR pump is leaking from the tube fitting on the seal flush cooler, UCR was spraying out around the tube fitting but was able to reduce the leak by wiring the tubing creating a pinch point A metal wire was wrapped around a hose to secure it in place at the DU-23 seal flush cooler as an [Truncated]

Violation Division: Los Angeles County Fire Department
Violation Program: CalARP
Violation Source: CERS,

Site ID: 399547
Site Name: PHILLIPS 66 COMPANY, CARSON PLANT
Violation Date: 09-12-1994
Citation: 03001 - Search Title 8 regulations for 3328 F at https://www.dir.ca.gov/title8/index/T8index.asp
Violation Description: Cal/OSHA Violation
Violation Notes: Not reported
Violation Division: Cal/OSHA
Violation Program: OSHA
Violation Source: CERS,

Site ID: 399547
Site Name: PHILLIPS 66 COMPANY, CARSON PLANT
Violation Date: 01-16-2004
Citation: 03001 - Search Title 8 regulations for 5189 F01 A2 at https://www.dir.ca.gov/title8/index/T8index.asp
Violation Description: Cal/OSHA Violation
Violation Notes: Not reported
Violation Division: Cal/OSHA
Violation Program: OSHA
Violation Source: CERS,

Site ID: 399547
Site Name: PHILLIPS 66 COMPANY, CARSON PLANT
Violation Date: 06-25-2020
Citation: 19 CCR 4.5 2762.9(e) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2762.9(e)
Violation Description: Failure to ensure the incident investigation team implement the owner or operator’s root cause analysis method to determine the underlying causes of the incident. Failure to ensure the analysis include identification of management system causes, including organizational and safety culture causes.
Violation Notes: Returned to compliance on 10/22/2020. OBSERVATION: The owner/operator failed to implement its root cause analysis method to determine the underlying causes, management system causes, including organizational and safety culture causes of the Coker Fire incident on May 2, 2019. A review of the LAR P & P, 6-2-3, Incident Notification, Investigation and Reporting, revealed the following descriptions: All incidents will be investigated to determine the root causes and identify action to prevent recurrence . Events with more serious consequences and/or complex causes will require a more formal investigation; A Category III Investigation Report requires description of incident causal factors, physical factors, human factors, latent causes, and attachments of the root cause analysis flowchart, pertinent photographs, and explanatory diagrams; Human Factors should answer the

PACIFIC PIPELINE SYS WILMINGTON STA (Continued) **S103963019**

question: What Human actions were involved in the incident? Human Cause is the inappropriate human actions which affected the outcome that [Truncated]
Violation Division: Los Angeles County Fire Department
Violation Program: CalARP
Violation Source: CERS,

Site ID: 399547
Site Name: PHILLIPS 66 COMPANY, CARSON PLANT
Violation Date: 06-25-2020
Citation: 19 CCR 4.5 2762.9(i) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2762.9(i)
Violation Description: Failure to ensure the investigation report include: (1) Date and time of the incident; (2) Date and time the investigation began; (3) A detailed description of the incident; (4) The factors that caused or contributed to the incident, including direct causes, indirect causes and root causes, determined through the root cause analysis; (5) A list of any DMR(s), PHA(s), HCA(s), and SPA(s) that were reviewed as part of the investigation; (6) Interim recommendations to prevent a recurrence or similar incident; (7) Recommendations for permanent corrective actions.
Violation Notes: Returned to compliance on 10/22/2020. OBSERVATION: The owner or operator failed to include in the Incident Investigation Report, IMPACT #327900 the factors that caused or contributed to the incident, including direct causes, indirect causes and root causes and any PHAs that were reviewed as a part of the investigation. A review of the LAR P & P, 6-2-3, Incident Notification, Investigation and Reporting, specifies the following: The report will contain the following information: (1) The date and time of the incident. (2) The date and time the investigation began. (3) A detailed description of the incident. (4) The factors that caused or contributed to the incident, including direct causes, indirect causes and root causes, determined through the Root Cause Analysis. (5) A list of any DMR(s), PHA(s), SPA(s), and HCA(s) that were reviewed as part of the investigation. (6) Documentation of relevant findings from the review of DMR(s), PHA(s), SPA(s) and HCA(s). (7) The team s recommendations and interim [Truncated]
Violation Division: Los Angeles County Fire Department
Violation Program: CalARP
Violation Source: CERS,

Evaluation:
Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 02-10-1994
Violations Found: Yes
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 04-07-1994
Violations Found: Yes
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA

PACIFIC PIPELINE SYS WILMINGTON STA (Continued) **S103963019**

Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-25-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Ed Becker, Health and Safety Manager
Eval Division: Los Angeles County Fire Department
Eval Program: CalARP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-01-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 07-21-2008
Violations Found: No
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-07-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Cheryl D. Cobb, Sr. Environmental Consultant
Eval Division: Los Angeles County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-07-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Kevin Sandstead, Operations Manager Paul Fursey, Operations Manager John W Mathews, Senior Environmental Engineer Cheryl Cobb, Environmental Consultant
Eval Division: Los Angeles County Fire Department
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-13-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: CalARP

PACIFIC PIPELINE SYS WILMINGTON STA (Continued) **S103963019**

Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 09-08-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: TK#3-DU5 CPI BOX.TK#4-DEA SUMP & TK#5-SELEXOL SUMP AT H-PLANT.TK#2-WEST CPI BOX(WEST H-PLANT).TKS 6&7-DEA SUMP & TKS 8&16-MDEA @ S-PLNT
Eval Division: Los Angeles County Department of Public Works
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-30-2022
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Consent by Lola Owolabi, Senior Env Consultant
Eval Division: Los Angeles County Fire Department
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-15-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Based on your letter dated August 17, 2020 and attached reports to corrective actions, the owner has return-to-compliance status with the following sections of 19 CCR: 2762.3(a), 2762.5(c), 2762.8(a), and 2762.8(c) identified on Inspection Report dated June 25, 2020. This report reveals the sections that are not in compliance.
Eval Division: Los Angeles County Fire Department
Eval Program: CalARP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-22-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Michael Whitehead, HMS III, conducted a Webex meeting and proceeded to conduct a follow-up inspection. The following representatives attended the meeting: Ed Becker, Health and Safety Manager, Mike Lee, PSM Coordinator, and Harold Day. This virtual meeting determined that Phillips 66 Co. attained compliance with the notice of violation dated June 25, 2020 related to the statutory requirements of California Health and Safety Code (HSC), Division 2, Chapter 6.95, Article 1, and the regulatory requirements of the California Code of Regulations (CCR), Title 19, Chapter 4.5 California Accidental Release Prevention (CalARP) Program.
Eval Division: Los Angeles County Fire Department
Eval Program: CalARP
Eval Source: CERS,

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 11-17-1993
Violations Found: Yes
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported

PACIFIC PIPELINE SYS WILMINGTON STA (Continued) **S103963019**

Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 01-30-1997
Violations Found: No
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-09-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: CalARP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-25-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Ed Becker, Health and Safety Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-06-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Cheryl Cobb - Environmental Specialist, gave consent for the inspection. No violations observed.
Eval Division: Los Angeles County Fire Department
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-06-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed certificate of compliance, response letter, supportive documents. Prepared an email requesting additional documents to support the certificate of compliance.
Eval Division: Los Angeles County Fire Department
Eval Program: CalARP
Eval Source: CERS,

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 04-23-2001
Violations Found: Yes
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported

PACIFIC PIPELINE SYS WILMINGTON STA (Continued) **S103963019**

Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 05-01-2008
Violations Found: No
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 05-12-1995
Violations Found: Yes
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-22-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: CalARP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-06-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Cheryl Cobb - Environmental Specialist, gave conset for the inspection. No violations observed.
Eval Division: Los Angeles County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-07-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed certificate of compliance, inspection report, documents. Sent appointment for follow-up inspection to H&S Manager.
Eval Division: Los Angeles County Fire Department
Eval Program: CalARP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-20-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Prepare for follow-up inspection.
Eval Division: Los Angeles County Fire Department

PACIFIC PIPELINE SYS WILMINGTON STA (Continued) **S103963019**

Eval Program: CalARP
Eval Source: CERS,

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 07-23-2003
Violations Found: Yes
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-04-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Linda Cohu, Senior Process Safety Consultant
Eval Division: Los Angeles County Fire Department
Eval Program: CalARP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-24-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-30-2022
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Lola Owolabi, Senior Environmental Consultant
Eval Division: Los Angeles County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-30-2022
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Lola Owolabi, Senior Environmental Consultant
Eval Division: Los Angeles County Fire Department
Eval Program: HWRecycler
Eval Source: CERS,

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 01-10-2002
Violations Found: No
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

PACIFIC PIPELINE SYS WILMINGTON STA (Continued) **S103963019**

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 01-16-2019
Violations Found: Yes
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 06-19-1994
Violations Found: Yes
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-06-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Cheryl Cobb - Environmental Specialist No violations observed.
Eval Division: Los Angeles County Fire Department
Eval Program: CA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-21-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: This follow-up inspection addressed the required corrective actions for violations issued on the notice of violation dated September 17, 2019, and validated reasonable compliance with 2765.2(a), 2762.3(a), 2762.5(a), 2762.5(b), 2762.5(c), and 2762.6(a).
Eval Division: Los Angeles County Fire Department
Eval Program: CalARP
Eval Source: CERS,

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 07-24-2003
Violations Found: Yes
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-04-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Linda Cohu, Senior Process Safety Consultant
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

PACIFIC PIPELINE SYS WILMINGTON STA (Continued) **S103963019**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-07-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Kevin Sandstead, Operations Manager Paul Fursey, Operations Manager John W Mathews, Senior Environmental Engineer Cheryl Cobb, Environmental Consultant
Eval Division: Los Angeles County Fire Department
Eval Program: CA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-30-2022
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Consent by Lola Owolabi, Senior Env Consultant
Eval Division: Los Angeles County Fire Department
Eval Program: CA
Eval Source: CERS,

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 10-06-1993
Violations Found: Yes
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 08-05-1994
Violations Found: No
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-06-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-07-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Kevin Sandstead, Operations Manager Paul Fursey, Operations Manager John W Mathews, Senior Environmental Engineer Cheryl Cobb, Environmental Consultant
Eval Division: Los Angeles County Fire Department
Eval Program: HWRecycler
Eval Source: CERS,

PACIFIC PIPELINE SYS WILMINGTON STA (Continued) **S103963019**

Eval General Type: Other/Unknown
Eval Date: 08-12-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: CalARP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-17-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Michael Lee, Process Safety Team Lead
Eval Division: Los Angeles County Fire Department
Eval Program: CalARP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-22-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: See comment at CalARP program follow-up report.
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Enforcement Action:
Site ID: 399547
Site Name: PHILLIPS 66 COMPANY, CARSON PLANT
Site Address: 1520 E SEPULVEDA BLVD
Site City: CARSON
Site Zip: 90745
Enf Action Date: 07-08-2020
Enf Action Type: AEO - Unified Program
Enf Action Description: Administrative Enforcement Order Based on the Unified Program Statute
Enf Action Notes: Fines/Penalties Assessed: $113,761.00. On multiple dates, commencing with March 26, 2019, HHMD Inspector Whitehead conducted a routine inspection and incident investigations at Phillips 66 Company Carson Plant. The inspector observed Class I and II violations. Notices of Violation were issued and an Administrative Enforcement case was initiated for the following violations: 19 CCR 4.5 Sections 2762.3(a), 2762.5(a), 2762.5(b), 2762.5(c), 2762.5(d), 2762.6(a), 2762.7(b), 2765.2(a), and HSC 6.95 25510(a). On August 13, 2020, company representatives appeared for the settlement conference. All parties mutually agreed to penalty and costs in the amount of $113,761.96.
Enf Action Division: Los Angeles County Fire Department
Enf Action Program: CalARP
Enf Action Source: CERS,

Site ID: 399547
Site Name: PHILLIPS 66 COMPANY, CARSON PLANT
Site Address: 1520 E SEPULVEDA BLVD
Site City: CARSON
Site Zip: 90745
Enf Action Date: 07-08-2020
Enf Action Type: AEO - Unified Program

PACIFIC PIPELINE SYS WILMINGTON STA (Continued) **S103963019**

Enf Action Description:	Administrative Enforcement Order Based on the Unified Program Statute
Enf Action Notes:	Fines/Penalties Assessed: $113,761.00. On multiple dates, commencing with March 26, 2019, HHMD Inspector Whitehead conducted a routine inspection and incident investigations at Phillips 66 Company Carson Plant. The inspector observed Class I and II violations. Notices of Violation were issued and an Administrative Enforcement case was initiated for the following violations: 19 CCR 4.5 Sections 2762.3(a), 2762.5(a), 2762.5(b), 2762.5(c), 2762.5(d), 2762.6(a), 2762.7(b), 2765.2(a), and HSC 6.95 25510(a). On August 13, 2020, company representatives appeared for the settlement conference. All parties mutually agreed to penalty and costs in the amount of $113,761.96.
Enf Action Division:	Los Angeles County Fire Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS,

Coordinates:

Site ID:	399547
Facility Name:	PHILLIPS 66 COMPANY, CARSON PLANT
Env Int Type Code:	APSA
Program ID:	10263874
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.,
Latitude:	33.804000
Longitude:	-118.243610

Affiliation:

Affiliation Type Desc:	Operator
Entity Name:	PHILLIPS 66 COMPANY
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(310) 522-9300,
Affiliation Type Desc:	CUPA District
Entity Name:	Los Angeles County Fire
Entity Title:	Not reported
Affiliation Address:	5825 Rickenbacker Road
Affiliation City:	Commerce
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90040-3027
Affiliation Phone:	(323) 890-4000,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1660 W ANAHEIM ST
Affiliation City:	WILMINGTON
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90744
Affiliation Phone:	,

PACIFIC PIPELINE SYS WILMINGTON STA (Continued) **S103963019**

Affiliation Type Desc:	Legal Owner
Entity Name:	PHILLIPS 66 COMPANY
Entity Title:	Not reported
Affiliation Address:	1075 W SAM HOUSTON PARKWAY N SUITE 200
Affiliation City:	HOUSTON
Affiliation State:	TX
Affiliation Country:	United States
Affiliation Zip:	77043
Affiliation Phone:	(832) 765-3010,

Affiliation Type Desc:	Onsite Treatment Unit Owner Operator
Entity Name:	Al Cantu
Entity Title:	Supt, H&S Field Svcs & Emergency Response
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Parent Corporation
Entity Name:	PHILLIPS 66 COMPANY - CARSON PLANT
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Environmental Contact
Entity Name:	MICHAEL BECHTOL
Entity Title:	Not reported
Affiliation Address:	1660 W ANAHEIM ST
Affiliation City:	WILMINGTON
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90744
Affiliation Phone:	,

Affiliation Type Desc:	Document Preparer
Entity Name:	CHERYL COBB
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Identification Signer
Entity Name:	MICHAEL BECHTOL
Entity Title:	MANAGER, ENVIRONMENTAL SERVICES
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported

PACIFIC PIPELINE SYS WILMINGTON STA (Continued) **S103963019**

Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Onsite Treatment Unit Owner Operator
Entity Name: MICHAEL BECHTOL
Entity Title: MANAGER - ENVIRONMENTAL SERVICES
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Property Owner
Entity Name: Phillips 66 Company
Entity Title: Not reported
Affiliation Address: 1075 W SAM HOUSTON PARKWAY N SUITE 200
Affiliation City: HOUSTON
Affiliation State: TX
Affiliation Country: United States
Affiliation Zip: 77043
Affiliation Phone: (832) 765-3010,

Name: PACIFIC PIPELINE SYS WILMINGTON STA
Address: 1520 E SEPULVEDA BLVD
City,State,Zip: CARSON, CA 90745
Site ID: 54808
CERS ID: 10291249
CERS Description: Chemical Storage Facilities

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-21-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Bill Senner - Env. & Regulatory Compliance, gave consent for the inspection. No violations observed.
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-19-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Bill Senner, Sr. Environmental & Regulatory Compliance Specialist Tim Leuschem, Operator III
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-21-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Bill Senner - Env. & Regulatory Compliance, gave consent for the inspection. No violations observed.

PACIFIC PIPELINE SYS WILMINGTON STA (Continued) **S103963019**

Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-19-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Bill Senner, Sr. Environmental & Regulatory Compliance Specialist Tim Leuschem, Operator III
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Coordinates:
Site ID: 54808
Facility Name: PACIFIC PIPELINE SYS WILMINGTON STA
Env Int Type Code: HWG
Program ID: 10291249
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 33.804000
Longitude: -118.243610

Affiliation:
Affiliation Type Desc: Legal Owner
Entity Name: PACIFIC PIPELINE SYSTEM LLC
Entity Title: Not reported
Affiliation Address: 3950 Paramount Blvd Suite 100
Affiliation City: Lakewood
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90712
Affiliation Phone: (562) 728-2800,

Affiliation Type Desc: Parent Corporation
Entity Name: PWCT/PPS
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: CUPA District
Entity Name: Los Angeles County Fire
Entity Title: Not reported
Affiliation Address: 5825 Rickenbacker Road
Affiliation City: Commerce
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90040-3027
Affiliation Phone: (323) 890-4000,

Affiliation Type Desc: Operator

PACIFIC PIPELINE SYS WILMINGTON STA (Continued) **S103963019**

Entity Name: Wilmington Station
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (562) 728-2800,

Affiliation Type Desc: Document Preparer
Entity Name: William Senner
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: William Senner
Entity Title: Not reported
Affiliation Address: 3950 Paramount Blvd Suite 100
Affiliation City: Lakewood
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90712
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 3950 Paramount Blvd Suite 100
Affiliation City: Lakewood
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90712
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: William Senner
Entity Title: HS&E Specialist
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Address: 1520 E SEPULVEDA BLVD
City,State,Zip: CARSON, CA 907450000
Site ID: 609291
CERS ID: CAD980881676
CERS Description: Hazardous Waste

PACIFIC PIPELINE SYS WILMINGTON STA (Continued) **S103963019**

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-19-2000
Violations Found:	No
Eval Type:	DTSC Compliance Evaluation Inspection
Eval Notes:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Eval Division:	Department of Toxic Substances Control
Eval Program:	DTSC_ENF
Eval Source:	ENVSTORHAZ,

Eval General Type:	Information Request
Eval Date:	02-07-2008
Violations Found:	No
Eval Type:	DTSC Financial Records Review
Eval Notes:	Financial Records Review - Post-Closure
Eval Division:	Department of Toxic Substances Control
Eval Program:	DTSC_ENF
Eval Source:	ENVSTORHAZ,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-21-2006
Violations Found:	Yes
Eval Type:	DTSC Compliance Evaluation Inspection
Eval Notes:	Compliance Evaluation Inspection - Treatment, Storage and Disposal Return To Compliance: 2006-03-22 00:00:00
Eval Division:	Department of Toxic Substances Control
Eval Program:	DTSC_ENF
Eval Source:	ENVSTORHAZ,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-05-2015
Violations Found:	Yes
Eval Type:	DTSC Compliance Evaluation Inspection
Eval Notes:	Compliance Evaluation Inspection - Treatment, Storage and Disposal Return To Compliance: 2015-05-28 00:00:00
Eval Division:	Department of Toxic Substances Control
Eval Program:	DTSC_ENF
Eval Source:	ENVSTORHAZ,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-20-2012
Violations Found:	Yes
Eval Type:	DTSC Compliance Evaluation Inspection
Eval Notes:	Compliance Evaluation Inspection - Post-Closure Return To Compliance: 2012-09-14 00:00:00
Eval Division:	Department of Toxic Substances Control
Eval Program:	DTSC_ENF
Eval Source:	ENVSTORHAZ,

Eval General Type:	Information Request
Eval Date:	08-19-2009
Violations Found:	No
Eval Type:	DTSC Financial Records Review
Eval Notes:	Financial Records Review - Post-Closure
Eval Division:	Department of Toxic Substances Control
Eval Program:	DTSC_ENF
Eval Source:	ENVSTORHAZ,

PACIFIC PIPELINE SYS WILMINGTON STA (Continued) **S103963019**

Eval General Type: Information Request
Eval Date: 10-19-2021
Violations Found: No
Eval Type: DTSC Financial Records Review
Eval Notes: Financial Records Review - Post-Closure
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-23-2002
Violations Found: No
Eval Type: DTSC Compliance Evaluation Inspection
Eval Notes: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-03-2002
Violations Found: Yes
Eval Type: DTSC Operation and Maintenance Inspection
Eval Notes: Operation and Maintenance - Treatment, Storage and Disposal Return To Compliance: 2004-12-22 00:00:00
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-30-1999
Violations Found: No
Eval Type: DTSC Compliance Evaluation Inspection
Eval Notes: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-14-2000
Violations Found: Yes
Eval Type: DTSC Compliance Evaluation Inspection
Eval Notes: Compliance Evaluation Inspection - Treatment, Storage and Disposal Return To Compliance: 2000-11-15 00:00:00
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-19-2007
Violations Found: Yes
Eval Type: DTSC Compliance Evaluation Inspection
Eval Notes: Compliance Evaluation Inspection - Treatment, Storage and Disposal Return To Compliance: 2008-01-30 00:00:00
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ,

PACIFIC PIPELINE SYS WILMINGTON STA (Continued) **S103963019**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-30-2018
Violations Found: No
Eval Type: DTSC Compliance Evaluation Inspection
Eval Notes: Compliance Evaluation Inspection - Post-Closure
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-08-2020
Violations Found: No
Eval Type: DTSC Focused Compliance Inspection
Eval Notes: Focused Compliance Inspection - Post-Closure
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-17-2003
Violations Found: Yes
Eval Type: DTSC Compliance Evaluation Inspection
Eval Notes: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Return To Compliance: 2003-12-18 00:00:00
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ,

Eval General Type: Information Request
Eval Date: 05-14-2004
Violations Found: No
Eval Type: DTSC Financial Records Review
Eval Notes: Financial Records Review - Treatment, Storage and Disposal
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ,

Eval General Type: Information Request
Eval Date: 06-06-2018
Violations Found: No
Eval Type: DTSC Financial Records Review
Eval Notes: Financial Records Review - Post-Closure
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ,

Eval General Type: Information Request
Eval Date: 06-30-2006
Violations Found: No
Eval Type: DTSC Financial Records Review
Eval Notes: Financial Records Review - Treatment, Storage and Disposal
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ,

Eval General Type: Information Request
Eval Date: 07-09-2015

PACIFIC PIPELINE SYS WILMINGTON STA (Continued) **S103963019**

Violations Found: No
Eval Type: DTSC Financial Records Review
Eval Notes: Financial Records Review - Post-Closure
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-28-2009
Violations Found: Yes
Eval Type: DTSC Compliance Evaluation Inspection
Eval Notes: Compliance Evaluation Inspection - Post-Closure Return To Compliance: 2009-08-03 00:00:00
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ,

Eval General Type: Information Request
Eval Date: 08-14-2012
Violations Found: No
Eval Type: DTSC Financial Records Review
Eval Notes: Financial Records Review - Post-Closure
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-30-2021
Violations Found: No
Eval Type: DTSC Compliance Evaluation Inspection
Eval Notes: Compliance Evaluation Inspection - Post-Closure
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-08-2015
Violations Found: Yes
Eval Type: DTSC Focused Compliance Inspection
Eval Notes: Focused Compliance Inspection - Treatment, Storage and Disposal Return To Compliance: 2015-10-27 00:00:00
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ,

Enforcement Action:
Site ID: 609291
Site Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Site Address: 1520 E SEPULVEDA BLVD
Site City: CARSON
Site Zip: 907450000
Enf Action Date: 04-30-2008
Enf Action Type: Federal Consent Order with Enforcement and Settlement
Enf Action Description: Federal Consent Order with Enforcement and Settlement
Enf Action Notes: Not reported
Enf Action Division: Department of Toxic Substances Control
Enf Action Program: DTSC_ENF

PACIFIC PIPELINE SYS WILMINGTON STA (Continued) **S103963019**

Enf Action Source: ENVSTORHAZ,

Site ID: 609291
Site Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Site Address: 1520 E SEPULVEDA BLVD
Site City: CARSON
Site Zip: 907450000
Enf Action Date: 09-28-2005
Enf Action Type: Federal Consent Order with Enforcement and Settlement
Enf Action Description: Federal Consent Order with Enforcement and Settlement
Enf Action Notes: Not reported
Enf Action Division: Department of Toxic Substances Control
Enf Action Program: DTSC_ENF
Enf Action Source: ENVSTORHAZ,

Affiliation:
Affiliation Type Desc: Facility Contact
Entity Name: JAN MCWHORTER
Entity Title: Not reported
Affiliation Address: 2650 LOMITA BLVD
Affiliation City: Torrance
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90505
Affiliation Phone: 3106027744,

Affiliation Type Desc: Facility Owner
Entity Name: PHILLIPS 66 PIPELINE LLC
Entity Title: Not reported
Affiliation Address: PO Box 4428
Affiliation City: HOUSTON
Affiliation State: TX
Affiliation Country: Not reported
Affiliation Zip: 772100000
Affiliation Phone: 2812936600,

Name: PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT
Address: 1520 E SEPULVEDA BLVD
City,State,Zip: CARSON, CA 90745
Site ID: 107763
CERS ID: 90745NCLCR1520E
CERS Description: Toxic Release Inventory

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: CHERYL COBB
Entity Title: ENVIRONMENTAL ENGINEER
Affiliation Address: 1660 WEST ANAHEIM STREET
Affiliation City: WILMINGTON
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: DARIN L FIELDS

PACIFIC PIPELINE SYS WILMINGTON STA (Continued) **S103963019**

Entity Title:	REFINERY MANAGER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	MRSHLL G WALLER
Entity Title:	DIRECTOR, ENVIRONMENTAL SERVICES
Affiliation Address:	1660 WEST ANAHEIM STREET
Affiliation City:	WILMINGTON
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Facility Owner
Entity Name:	PHILLIPS 66
Entity Title:	OWNER
Affiliation Address:	1660 W ANAHEIM STREET
Affiliation City:	WILMINGTON
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Public Contact
Entity Name:	KENNETH DAMI
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	90745
Affiliation Phone:	3109526028,
Affiliation Type Desc:	Company Official
Entity Name:	Jenny Kaufman
Entity Title:	Environmental Specialist
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	90745
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	AL CANTU
Entity Title:	FLD SVC & EMERGENCY RESPONSE SUPERV
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

PACIFIC PIPELINE SYS WILMINGTON STA (Continued) **S103963019**

Affiliation Type Desc:	Environmental Contact
Entity Name:	MICHAEL BECHTOL
Entity Title:	MANAGER, HEALTH SAFETY & ENVIRONMENTAL
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Operator
Entity Name:	PHILLIPS 66
Entity Title:	OPERATOR
Affiliation Address:	1660 W ANAHEIM ST
Affiliation City:	WILMINGTON
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Environmental Contact
Entity Name:	CHERYL COBB
Entity Title:	ENVIRONMENTAL ENGINEER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Environmental Contact
Entity Name:	KATHY L NORRIS
Entity Title:	ENVIRONMENTAL SPECIALIST WASTE
Affiliation Address:	POBOX 6004
Affiliation City:	SANRAMON
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Environmental Contact
Entity Name:	MARSHALL G WALLER
Entity Title:	ENVIRONMENTAL CONTACT
Affiliation Address:	1660 W ANAHEIM ST
Affiliation City:	WILMINGTON
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Environmental Contact
Entity Name:	MR SCOTT ZERGA
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported

PACIFIC PIPELINE SYS WILMINGTON STA (Continued) **S103963019**

Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: SONDRA BIENVENU
Entity Title: Not reported
Affiliation Address: POBOX 4453
Affiliation City: HOUSTON
Affiliation State: TX
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Parent Company
Entity Name: PHILLIPS 66 CO
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: 90745
Affiliation Phone: ,

Affiliation Type Desc: Public Contact
Entity Name: JANET GROTHE
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Technical Contact
Entity Name: Jenny Kaufman
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: 90745
Affiliation Phone: 3109526084,

Name: PHILLIPS 66 LOS ANGELES REFINERY CARSON PLANT
Address: 1520 E SEPULVEDA BLVD
City,State,Zip: CARSON, CA 90745
Site ID: 107763
CERS ID: 110038102969
CERS Description: US EPA Air Emission Inventory System (EIS)

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: CHERYL COBB
Entity Title: ENVIRONMENTAL ENGINEER
Affiliation Address: 1660 WEST ANAHEIM STREET
Affiliation City: WILMINGTON
Affiliation State: CA

PACIFIC PIPELINE SYS WILMINGTON STA (Continued) **S103963019**

Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: DARIN L FIELDS
Entity Title: REFINERY MANAGER
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: MRSHLL G WALLER
Entity Title: DIRECTOR, ENVIRONMENTAL SERVICES
Affiliation Address: 1660 WEST ANAHEIM STREET
Affiliation City: WILMINGTON
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Facility Owner
Entity Name: PHILLIPS 66
Entity Title: OWNER
Affiliation Address: 1660 W ANAHEIM STREET
Affiliation City: WILMINGTON
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Public Contact
Entity Name: KENNETH DAMI
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: 90745
Affiliation Phone: 3109526028,

Affiliation Type Desc: Company Official
Entity Name: Jenny Kaufman
Entity Title: Environmental Specialist
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: 90745
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: AL CANTU
Entity Title: FLD SVC & EMERGENCY RESPONSE SUPERV

PACIFIC PIPELINE SYS WILMINGTON STA (Continued) **S103963019**

Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	MICHAEL BECHTOL
Entity Title:	MANAGER, HEALTH SAFETY & ENVIRONMENTAL
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	PHILLIPS 66
Entity Title:	OPERATOR
Affiliation Address:	1660 W ANAHEIM ST
Affiliation City:	WILMINGTON
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	CHERYL COBB
Entity Title:	ENVIRONMENTAL ENGINEER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	KATHY L NORRIS
Entity Title:	ENVIRONMENTAL SPECIALIST WASTE
Affiliation Address:	POBOX 6004
Affiliation City:	SANRAMON
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	MARSHALL G WALLER
Entity Title:	ENVIRONMENTAL CONTACT
Affiliation Address:	1660 W ANAHEIM ST
Affiliation City:	WILMINGTON
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

PACIFIC PIPELINE SYS WILMINGTON STA (Continued) **S103963019**

Affiliation Type Desc:	Environmental Contact
Entity Name:	MR SCOTT ZERGA
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Environmental Contact
Entity Name:	SONDRA BIENVENU
Entity Title:	Not reported
Affiliation Address:	POBOX 4453
Affiliation City:	HOUSTON
Affiliation State:	TX
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Parent Company
Entity Name:	PHILLIPS 66 CO
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	90745
Affiliation Phone:	,

Affiliation Type Desc:	Public Contact
Entity Name:	JANET GROTHE
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Technical Contact
Entity Name:	Jenny Kaufman
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	90745
Affiliation Phone:	3109526084,

Name:	UNOCAL - TOSCO LOS ANGELES REFINERY, CARSON
Address:	1520 E. SEPULVEDA BLVD
City,State,Zip:	CARSON, CA
Site ID:	245082
CERS ID:	SL372402433
CERS Description:	Cleanup Program Site

PACIFIC PIPELINE SYS WILMINGTON STA (Continued) **S103963019**

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: JEANETTE LIU - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4th Street, Suite 200
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 2135766758,

Name: CONOCOPHILLIPS LARC
Address: 1520 E SEPULVEDA BLVD
City,State,Zip: CARSON, CA 907450000
Site ID: 606776
CERS ID: 80001752
CERS Description: Corrective Action

Affiliation:
Affiliation Type Desc: Supervisor
Entity Name: * Unknown
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Z115 **SGS INDUSTRIAL** **DEED** **S113094054**
WSW **1520 E SEPULVEDA** **ICE** **N/A**
1/2-1 **CARSON, CA 90749** **HWP**
0.926 mi. **HAZNET**
4889 ft. **Site 3 of 3 in cluster Z** **HWTS**

Relative: Higher
Actual: 39 ft.

DEED:
Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Address: 1520 E SEPULVEDA BLVD
City,State,Zip: CARSON, CA 907450000
Envirostor ID: CAD980881676
Area: Not reported
Sub Area: Not reported
Site Type: POST CLOSURE PERMIT
Status: POST CLOSURE PERMIT
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): Not reported
File Name: Envirostor Land Use Restrictions

Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Address: 1520 E SEPULVEDA BLVD
City,State,Zip: CARSON, CA 907450000
Envirostor ID: CAD980881676
Area: Not reported
Sub Area: Not reported
Site Type: POST CLOSURE PERMIT

SGS INDUSTRIAL (Continued) **S113094054**

Status: POST CLOSURE PERMIT
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): Not reported
File Name: Envirostor Land Use Restrictions

ICE:
Envirostor ID: 3001174
Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Address: 1520 E SEPULVEDA BLVD
City,State,Zip: CARSON, CA 90745
EPA ID: CAD980881676
Site Type: INSPECTION
Facility Status: No Action

Enforcement:
Action Type: Consent Order with Enforcement and Settlement - Federal CA/FO (385)
Action Date: 09/28/2005

Action Type: Consent Order with Enforcement and Settlement - Federal CA/FO (385)
Action Date: 04/30/2008

Inspection:
Action Type: Compliance Evaluation Inspection - Post-Closure
Action Date: 09/30/2021
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Post-Closure
Action Date: 10/19/2021
Violation Class: No Violations
RTC Date: Not reported

Action Type: Focused Compliance Inspection - Post-Closure
Action Date: 10/08/2020
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Post-Closure
Action Date: 05/30/2018
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Post-Closure
Action Date: 06/06/2018
Violation Class: No Violations
RTC Date: Not reported

Action Type: Focused Compliance Inspection - Treatment, Storage and Disposal
Action Date: 10/08/2015
Violation Class: Class 2, Minor
RTC Date: 10/27/2015

Action Type: Financial Records Review - Post-Closure
Action Date: 07/09/2015
Violation Class: No Violations
RTC Date: Not reported

SGS INDUSTRIAL (Continued) **S113094054**

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 05/05/2015
Violation Class: Class 2, Minor
RTC Date: 05/28/2015

Action Type: Financial Records Review - Post-Closure
Action Date: 08/14/2012
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Post-Closure
Action Date: 06/20/2012
Violation Class: Minor
RTC Date: 09/14/2012

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 06/30/1999
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Post-Closure
Action Date: 02/07/2008
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 03/21/2006
Violation Class: Minor
RTC Date: 03/22/2006

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 12/17/2003
Violation Class: Minor
RTC Date: 12/18/2003

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 12/19/2007
Violation Class: Class 1
RTC Date: 01/30/2008

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 06/30/2006
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 11/14/2000
Violation Class: Minor
RTC Date: 11/15/2000

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 05/14/2004
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Post-Closure
Action Date: 07/28/2009

SGS INDUSTRIAL (Continued) **S113094054**

Violation Class: Minor
RTC Date: 08/03/2009

Action Type: Financial Records Review - Post-Closure
Action Date: 08/19/2009
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 01/23/2002
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 01/19/2000
Violation Class: No Violations
RTC Date: Not reported

Action Type: Operation and Maintenance - Treatment, Storage and Disposal
Action Date: 04/03/2002
Violation Class: Class 1, Minor
RTC Date: 12/22/2004

HWP:
EPA ID: CAD980881676
Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Address: 1520 E SEPULVEDA BLVD
Cleanup Status: POST CLOSURE PERMIT
Latitude: 33.80400
Longitude: -118.2436
Facility Type: Post-Closure Permitted
Facility Size: Large Postclosure
Supervisor: MOHAMMED OMER
Site Code: 400277
Senate District: 35
Assembly District: 64
Public Information Officer: Not reported
Commercial Offsite Facility Types: Not reported
Quarterly Update: QUARTERLY UPDATE Quarterly Update Period: October - December 2021 Current Activity: Permit Maintenance On October 28, 2021, DTSC received the "Third Quarter 2021 Progress Report" for the Phillips 66 Carson Plan for review. The document is currently under review by DTSC. Operations at the facility continue in accordance with the Department of Toxic Substances Control (DTSC)-issued Hazardous Waste Facility Permit. The existing post-closure plan and other documents related to the facility s hazardous waste management activities can be viewed on the Public EnviroStor by clicking the Activities tab above. ---------- Quarterly Update Period: April - June 2021 Current Activity: Permit Maintenance On April 30, 2021 the facility submitted the 1st Quarter 2021 Progress Report. DTSC is currently reviewing the report for technical completeness and compliance. Operations at the facility continue in accordance with the Department of Toxic Substances Control (DTSC)-issued Hazardous Waste Facility Permit. The existing post-closure plan and other documents related to the facility s hazardous waste management activities can be viewed on the Public EnviroStor by clicking the Activities tab above.

SGS INDUSTRIAL (Continued) **S113094054**

---------- Quarterly Update Period:
January - March 2021 Current Activity: Permit Maintenance On January 27, 2021 the facility submitted the 4th Quarter Progress Report, and the Fall 2020 Semiannual Groundwater Monitoring Report and on February 26, 2021, the facility submitted the 2020 Annual Permit Compliance Report. DTSC is currently reviewing the reports for technical completeness and compliance.
---------- Quarterly Update Period:
July - September 2019 Current Activity: Permit Maintenance The new permit was signed and made effective on August 15, 2019 after the response to comments and the appeals period.
---------- Quarterly Update Period:
April - June 2019 Current Activity: Permit Renewal Application

Project Manager Lead: PARAMPREET BASRA
Project Manager: Not reported
Permit Type: RCRA
Permit Effective Date: 08/15/2019 (PC),
Permit Expiration Date: 08/14/2029 (PC),
Calenviroscreen Score: NA
Total Planned Hours: Not reported
Total Planned Amount: Not reported
Total Actual Hours: Not reported

Activities:

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2019-06-24 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: PC Renewal PC - No Changes - TECHNICAL REVIEW BEGIN
Actual Date: 05/27/2017

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1993-12-20 00:00:00
Type: RCRA
Title Description: Initial Operating Permit "SURFIMP1" Unit
Due Date: Not reported
Comments: Not reported

SGS INDUSTRIAL (Continued) **S113094054**

Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Operating Permit - FINAL PERMIT (EFFECTIVE)
Actual Date: 12/20/1993

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2019-06-24 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: 07/20/2019
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: PC Renewal PC - No Changes - FINAL POST-CLOSURE PERMIT
Actual Date: 06/24/2019

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1993-12-20 00:00:00
Type: RCRA
Title Description: New application for a new permit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Operating Permit - APPLICATION PART B RECEIVED
Actual Date: 03/21/1992

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1993-12-20 00:00:00
Type: RCRA
Title Description: Initial Operating Permit "SURFIMP1" Unit
Due Date: Not reported
Comments: Not reported

SGS INDUSTRIAL (Continued) **S113094054**

Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Operating Permit - CALL-IN LETTER ISSUED
Actual Date: 12/19/1990

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2019-06-24 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: 05/27/2017
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: PC Renewal PC - No Changes - ADMINISTRATIVE REVIEW APPROVED
Actual Date: 05/25/2017

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: *Mod Class 1* - Prior Approval Required
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2013-03-05 00:00:00
Type: RCRA
Title Description: Change of Ownership
Due Date: Not reported
Comments: Not reported
Unit Names: Not reported
Event Description: *Mod Class 1* - Prior Approval Required - FINAL PERMIT MODIFICATION (EFFECTIVE)
Actual Date: 04/08/2013

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2019-06-24 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: Not reported

SGS INDUSTRIAL (Continued) **S113094054**

Comments:	NOE sent to CEQA for filing
Unit Names:	SURFIMP1 (GPRA Unit)
Event Description:	PC Renewal PC - No Changes - CEQA DETERMINATION
Actual Date:	08/20/2019
EPA ID:	CAD980881676
Facility Type:	Post-Closure Permitted
Facility Name:	PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager:	Not reported
Project Manager Lead:	PARAMPREET BASRA
Supervisor:	MOHAMMED OMER
Facility Status:	POST CLOSURE PERMIT + PC UNIT
Activity Type:	New Operating Permit
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	1993-12-20 00:00:00
Type:	RCRA
Title Description:	New application for a new permit
Due Date:	Not reported
Comments:	Not reported
Unit Names:	SURFIMP1 (GPRA Unit)
Event Description:	New Operating Permit - CALL-IN LETTER ISSUED
Actual Date:	01/08/1992
EPA ID:	CAD980881676
Facility Type:	Post-Closure Permitted
Facility Name:	PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager:	Not reported
Project Manager Lead:	PARAMPREET BASRA
Supervisor:	MOHAMMED OMER
Facility Status:	POST CLOSURE PERMIT + PC UNIT
Activity Type:	New Operating Permit
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	1993-12-20 00:00:00
Type:	RCRA
Title Description:	Initial Operating Permit "SURFIMP1" Unit
Due Date:	Not reported
Comments:	Not reported
Unit Names:	SURFIMP1 (GPRA Unit)
Event Description:	New Operating Permit - PUBLIC COMMENT (BEGIN)
Actual Date:	06/10/1993
EPA ID:	CAD980881676
Facility Type:	Post-Closure Permitted
Facility Name:	PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager:	Not reported
Project Manager Lead:	PARAMPREET BASRA
Supervisor:	MOHAMMED OMER
Facility Status:	POST CLOSURE PERMIT + PC UNIT
Activity Type:	New Operating Permit
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	1993-12-20 00:00:00
Type:	RCRA
Title Description:	Initial Operating Permit "SURFIMP1" Unit
Due Date:	Not reported

SGS INDUSTRIAL (Continued) **S113094054**

Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Operating Permit - PUBLIC COMMENT (END)
Actual Date: 07/25/1993

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: *PC Mod Class 1* - Prior Approval Required
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2013-03-05 00:00:00
Type: RCRA
Title Description: Permit Maintenance
Due Date: Not reported
Comments: Not reported
Unit Names: Not reported
Event Description: *PC Mod Class 1* - Prior Approval Required - FINAL POST-CLOSURE PERMIT MODIFICATION (EXPIRES)
Actual Date: 11/26/2017

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: *PC Mod Class 1* - Prior Approval Required
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2013-03-05 00:00:00
Type: RCRA
Title Description: Permit Maintenance
Due Date: Not reported
Comments: Not reported
Unit Names: Not reported
Event Description: *PC Mod Class 1* - Prior Approval Required - FINAL POST-CLOSURE PERMIT MODIFICATION (EFFECTIVE)
Actual Date: 03/05/2013

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2019-06-24 00:00:00
Type: RCRA

SGS INDUSTRIAL (Continued) **S113094054**

Title Description: Post Closure 2
Due Date: 09/30/2017
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: PC Renewal PC - No Changes - PUBLIC NOTICE - POST-CLOSURE PERMIT RECEIVED
Actual Date: 10/12/2017

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2019-06-24 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: PC Renewal PC - No Changes - PUBLIC COMMENT (PUBLIC MEETING)
Actual Date: 05/08/2019

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1993-12-20 00:00:00
Type: RCRA
Title Description: Initial Operating Permit "SURFIMP1" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Operating Permit - 2ND NOTICE OF DEFICIENCY ISSUED
Actual Date: 07/13/1991

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1993-12-20 00:00:00

SGS INDUSTRIAL (Continued) **S113094054**

Type: RCRA
Title Description: New application for a new permit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Operating Permit - PUBLIC COMMENT (BEGIN)
Actual Date: 06/10/1993

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2019-06-24 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: Not reported
Comments: Discussed with the facility regarding the upcoming post closure permit renewal application and the fee for service charges.
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: PC Renewal PC - No Changes - DTSC MEETING WITH APPLICANT
Actual Date: 12/01/2016

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1993-12-20 00:00:00
Type: RCRA
Title Description: Initial Operating Permit "SURFIMP1" Unit
Due Date: 06/10/1993
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Operating Permit - DRAFT PERMIT
Actual Date: 06/10/1993

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported

SGS INDUSTRIAL (Continued) **S113094054**

Final Date:	1993-12-20 00:00:00
Type:	RCRA
Title Description:	New application for a new permit
Due Date:	Not reported
Comments:	Not reported
Unit Names:	SURFIMP1 (GPRA Unit)
Event Description:	New Operating Permit - APPLICATION PART A RECEIVED
Actual Date:	03/13/1992
EPA ID:	CAD980881676
Facility Type:	Post-Closure Permitted
Facility Name:	PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager:	Not reported
Project Manager Lead:	PARAMPREET BASRA
Supervisor:	MOHAMMED OMER
Facility Status:	POST CLOSURE PERMIT + PC UNIT
Activity Type:	PC Renewal PC - No Changes
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	2019-06-24 00:00:00
Type:	RCRA
Title Description:	Post Closure 2
Due Date:	12/15/2018
Comments:	Not reported
Unit Names:	SURFIMP1 (GPRA Unit)
Event Description:	PC Renewal PC - No Changes - FINAL PART A & PART B RECEIVED
Actual Date:	12/15/2018
EPA ID:	CAD980881676
Facility Type:	Post-Closure Permitted
Facility Name:	PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager:	Not reported
Project Manager Lead:	PARAMPREET BASRA
Supervisor:	MOHAMMED OMER
Facility Status:	POST CLOSURE PERMIT + PC UNIT
Activity Type:	PC Renewal PC - No Changes
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	2019-06-24 00:00:00
Type:	RCRA
Title Description:	Post Closure 2
Due Date:	Not reported
Comments:	Not reported
Unit Names:	SURFIMP1 (GPRA Unit)
Event Description:	PC Renewal PC - No Changes - RESPONSE TO 2ND NOD RECEIVED
Actual Date:	12/15/2018
EPA ID:	CAD980881676
Facility Type:	Post-Closure Permitted
Facility Name:	PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager:	Not reported
Project Manager Lead:	PARAMPREET BASRA
Supervisor:	MOHAMMED OMER
Facility Status:	POST CLOSURE PERMIT + PC UNIT
Activity Type:	*Mod Class 1* - Prior Approval Required
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported

SGS INDUSTRIAL (Continued) **S113094054**

Final Date: 2013-03-05 00:00:00
Type: RCRA
Title Description: Change of Ownership
Due Date: Not reported
Comments: Not reported
Unit Names: Not reported
Event Description: *Mod Class 1* - Prior Approval Required - FINAL PERMIT MODIFICATION
Actual Date: 03/05/2013

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2019-06-24 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: PC Renewal PC - No Changes - PUBLIC COMMENT (PUBLIC HEARING)
Actual Date: 05/08/2019

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2019-06-24 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: 04/01/2019
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: PC Renewal PC - No Changes - DRAFT POST-CLOSURE PERMIT
Actual Date: 03/29/2019

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported

SGS INDUSTRIAL (Continued) **S113094054**

Final Date: 2019-06-24 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: PC Renewal PC - No Changes - INITIAL ADMINISTRATIVE REVIEW COMPLETED
Actual Date: 05/25/2017

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1993-12-20 00:00:00
Type: RCRA
Title Description: Initial Operating Permit "SURFIMP1" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Operating Permit - APPLICATION PART B RECEIVED
Actual Date: 12/21/1990

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1993-12-20 00:00:00
Type: RCRA
Title Description: Initial Operating Permit "SURFIMP1" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Operating Permit - 3RD NOTICE OF DEFICIENCY ISSUED
Actual Date: 09/12/1991

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported

SGS INDUSTRIAL (Continued) **S113094054**

Final Date: 1993-12-20 00:00:00
Type: RCRA
Title Description: New application for a new permit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Operating Permit - DRAFT PERMIT
Actual Date: 06/10/1993

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1993-12-20 00:00:00
Type: RCRA
Title Description: New application for a new permit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Operating Permit - FINAL PERMIT
Actual Date: 12/20/1993

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: *PC Mod Class 1* - Prior Approval Required
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2013-03-05 00:00:00
Type: RCRA
Title Description: Permit Maintenance
Due Date: Not reported
Comments: Not reported
Unit Names: Not reported
Event Description: *PC Mod Class 1* - Prior Approval Required - FINAL POST-CLOSURE PERMIT MODIFICATION
Actual Date: 03/05/2013

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: Not reported

SGS INDUSTRIAL (Continued) **S113094054**

Permit Being Modified: Not reported
Final Date: 2019-06-24 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: PC Renewal PC - No Changes - CALL-IN LETTER ISSUED
Actual Date: 12/01/2015

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2019-06-24 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: PC Renewal PC - No Changes - 1ST NOTICE OF DEFICIENCY ISSUED
Actual Date: 02/05/2018

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2019-06-24 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: Not reported
Comments: NOE for Draft CEQA
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: PC Renewal PC - No Changes - DRAFT CEQA
Actual Date: 12/15/2018

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: Not reported

SGS INDUSTRIAL (Continued) **S113094054**

Permit Being Modified: Not reported
Final Date: 2019-06-24 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: 04/04/2019
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: PC Renewal PC - No Changes - PUBLIC COMMENT (BEGIN)
Actual Date: 04/04/2019

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2019-06-24 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: PC Renewal PC - No Changes - TECHNICAL REVIEW COMPLETED
Actual Date: 01/09/2019

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1993-12-20 00:00:00
Type: RCRA
Title Description: New application for a new permit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Operating Permit - FINAL PART A & PART B RECEIVED
Actual Date: 03/23/1993

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported

SGS INDUSTRIAL (Continued) **S113094054**

Permit Being Modified: Not reported
Final Date: 1993-12-20 00:00:00
Type: RCRA
Title Description: New application for a new permit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Operating Permit - RESPONSE TO 1ST NOD RECEIVED
Actual Date: 11/13/1992

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1993-12-20 00:00:00
Type: RCRA
Title Description: Initial Operating Permit "SURFIMP1" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Operating Permit - FINAL PERMIT
Actual Date: 12/20/1993

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1993-12-20 00:00:00
Type: RCRA
Title Description: Initial Operating Permit "SURFIMP1" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Operating Permit - 1ST NOTICE OF DEFICIENCY ISSUED
Actual Date: 05/16/1991

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported

SGS INDUSTRIAL (Continued) **S113094054**

Permit Being Modified: Not reported
Final Date: 1993-12-20 00:00:00
Type: RCRA
Title Description: New application for a new permit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Operating Permit - FINAL PERMIT (EFFECTIVE)
Actual Date: 01/27/1994

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2019-06-24 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: PC Renewal PC - No Changes - RESPONSE TO 1ST NOD RECEIVED
Actual Date: 08/15/2018

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2019-06-24 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: PC Renewal PC - No Changes - APPLICATION PART B RECEIVED
Actual Date: 04/27/2017

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: Not reported

SGS INDUSTRIAL (Continued) **S113094054**

Permit Being Modified: Not reported
Final Date: 2019-06-24 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: PC Renewal PC - No Changes - 2ND NOTICE OF DEFICIENCY ISSUED
Actual Date: 10/03/2018

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: *Mod Class 1* - Prior Approval Required
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2013-03-05 00:00:00
Type: RCRA
Title Description: Change of Ownership
Due Date: Not reported
Comments: Not reported
Unit Names: Not reported
Event Description: *Mod Class 1* - Prior Approval Required - FINAL PERMIT MODIFICATION (EXPIRES)
Actual Date: 07/26/2017

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2019-06-24 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: PC Renewal PC - No Changes - PUBLIC COMMENT (END)
Actual Date: 05/22/2019

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes

SGS INDUSTRIAL (Continued) **S113094054**

Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	2019-06-24 00:00:00
Type:	RCRA
Title Description:	Post Closure 2
Due Date:	Not reported
Comments:	Not reported
Unit Names:	SURFIMP1 (GPRA Unit)
Event Description:	PC Renewal PC - No Changes - FINAL POST-CLOSURE PERMIT (EFFECTIVE)
Actual Date:	08/15/2019
EPA ID:	CAD980881676
Facility Type:	Post-Closure Permitted
Facility Name:	PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager:	Not reported
Project Manager Lead:	PARAMPREET BASRA
Supervisor:	MOHAMMED OMER
Facility Status:	POST CLOSURE PERMIT + PC UNIT
Activity Type:	PC Renewal PC - No Changes
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	2019-06-24 00:00:00
Type:	RCRA
Title Description:	Post Closure 2
Due Date:	04/01/2019
Comments:	Not reported
Unit Names:	SURFIMP1 (GPRA Unit)
Event Description:	PC Renewal PC - No Changes - TECHNICAL COMPLETE LETTER
Actual Date:	03/29/2019
EPA ID:	CAD980881676
Facility Type:	Post-Closure Permitted
Facility Name:	PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager:	Not reported
Project Manager Lead:	PARAMPREET BASRA
Supervisor:	MOHAMMED OMER
Facility Status:	POST CLOSURE PERMIT + PC UNIT
Activity Type:	New Operating Permit
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	1993-12-20 00:00:00
Type:	RCRA
Title Description:	Initial Operating Permit "SURFIMP1" Unit
Due Date:	Not reported
Comments:	This facility resubmitted the permit application again. See the next screen. TH
Unit Names:	SURFIMP1 (GPRA Unit)
Event Description:	New Operating Permit - FINAL PART A & PART B RECEIVED
Actual Date:	10/16/1991
EPA ID:	CAD980881676
Facility Type:	Post-Closure Permitted
Facility Name:	PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager:	Not reported
Project Manager Lead:	PARAMPREET BASRA
Supervisor:	MOHAMMED OMER
Facility Status:	POST CLOSURE PERMIT + PC UNIT

SGS INDUSTRIAL (Continued) **S113094054**

Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1993-12-20 00:00:00
Type: RCRA
Title Description: Initial Operating Permit "SURFIMP1" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Operating Permit - RESPONSE TO 2ND NOD RECEIVED
Actual Date: 07/21/1991

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2019-06-24 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: PC Renewal PC - No Changes - FINAL CEQA
Actual Date: 08/20/2019

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1993-12-20 00:00:00
Type: RCRA
Title Description: New application for a new permit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Operating Permit - PUBLIC COMMENT (PUBLIC HEARING)
Actual Date: 07/28/1993

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT

SGS INDUSTRIAL (Continued) **S113094054**

Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1993-12-20 00:00:00
Type: RCRA
Title Description: New application for a new permit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Operating Permit - FINAL PERMIT (EXPIRES)
Actual Date: 01/27/2004

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2019-06-24 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: PC Renewal PC - No Changes - FINAL POST-CLOSURE PERMIT (EXPIRES)
Actual Date: 08/14/2029

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1993-12-20 00:00:00
Type: RCRA
Title Description: Initial Operating Permit "SURFIMP1" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Operating Permit - RESPONSE TO 1ST NOD RECEIVED
Actual Date: 06/14/1991

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT

SGS INDUSTRIAL (Continued) **S113094054**

Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1993-12-20 00:00:00
Type: RCRA
Title Description: Initial Operating Permit "SURFIMP1" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Operating Permit - FINAL PERMIT (EXPIRES)
Actual Date: 12/20/2003

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2019-06-24 00:00:00
Type: RCRA
Title Description: Post Closure 2
Due Date: 05/26/2017
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: PC Renewal PC - No Changes - APPLICATION PART A RECEIVED
Actual Date: 04/27/2017

Closure:
EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Post-Closure Permit
Final Date: 2007-10-25 00:00:00
Type: RCRA
Title Description: Post Closure Permit for "SURFIMP1" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Post-Closure Permit - DRAFT POST-CLOSURE PERMIT
Actual Date: 08/23/2007

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Size: Large Postclosure

SGS INDUSTRIAL (Continued) **S113094054**

Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Post-Closure Permit
Final Date: 2007-10-25 00:00:00
Type: RCRA
Title Description: Post Closure Permit for "SURFIMP1" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Post-Closure Permit - FINAL PART A & PART B RECEIVED
Actual Date: 08/15/2007

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Post-Closure Permit
Final Date: 2007-10-25 00:00:00
Type: RCRA
Title Description: Post Closure Permit for "SURFIMP1" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Post-Closure Permit - CALL-IN LETTER ISSUED
Actual Date: 04/26/1999

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Post-Closure Permit
Final Date: 2007-10-25 00:00:00
Type: RCRA
Title Description: Post Closure Permit for "SURFIMP1" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Post-Closure Permit - FINAL POST-CLOSURE PERMIT (EXPIRES)
Actual Date: 11/26/2017

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: Closure Final
Final Date: Not reported

SGS INDUSTRIAL (Continued) **S113094054**

Type: RCRA
Title Description: Closure of "SURFIMP1" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: Closure Final - CLOSURE PLAN APPROVED
Actual Date: 04/11/1996

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: Closure Final
Final Date: Not reported
Type: RCRA
Title Description: Closure of "SURFIMP1" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: Closure Final - ISSUE CLOSURE VERIFICATION
Actual Date: 04/26/1999

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Post-Closure Permit
Final Date: 2007-10-25 00:00:00
Type: RCRA
Title Description: Post Closure Permit for "SURFIMP1" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Post-Closure Permit - APPLICATION PART A RECEIVED
Actual Date: 12/07/1999

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: Closure Final
Final Date: Not reported
Type: RCRA
Title Description: Closure of "SURFIMP1" Unit
Due Date: Not reported

SGS INDUSTRIAL (Continued) **S113094054**

Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: Closure Final - CLOSURE PLAN RECEIVED
Actual Date: 04/28/1995

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: Closure Final
Final Date: Not reported
Type: RCRA
Title Description: Closure of "SURFIMP1" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: Closure Final - CLOSURE NOTICE RECEIVED
Actual Date: 12/18/1995

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Post-Closure Permit
Final Date: 2007-10-25 00:00:00
Type: RCRA
Title Description: Post Closure Permit for "SURFIMP1" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Post-Closure Permit - APPLICATION PART B RECEIVED
Actual Date: 07/26/1999

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Post-Closure Permit
Final Date: 2007-10-25 00:00:00
Type: RCRA
Title Description: Post Closure Permit for "SURFIMP1" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Post-Closure Permit - FINAL POST-CLOSURE PERMIT

SGS INDUSTRIAL (Continued) **S113094054**

Actual Date: 10/25/2007

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Post-Closure Permit
Final Date: 2007-10-25 00:00:00
Type: RCRA
Title Description: Post Closure Permit for "SURFIMP1" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Post-Closure Permit - 2ND NOTICE OF DEFICIENCY ISSUED
Actual Date: 03/14/2007

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Post-Closure Permit
Final Date: 2007-10-25 00:00:00
Type: RCRA
Title Description: Post Closure Permit for "SURFIMP1" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Post-Closure Permit - PUBLIC COMMENT (BEGIN)
Actual Date: 08/23/2007

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Post-Closure Permit
Final Date: 2007-10-25 00:00:00
Type: RCRA
Title Description: Post Closure Permit for "SURFIMP1" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Post-Closure Permit - PUBLIC COMMENT (END)
Actual Date: 10/07/2007

EPA ID: CAD980881676

SGS INDUSTRIAL (Continued) **S113094054**

Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Post-Closure Permit
Final Date: 2007-10-25 00:00:00
Type: RCRA
Title Description: Post Closure Permit for "SURFIMP1" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Post-Closure Permit - FINAL POST-CLOSURE PERMIT (EFFECTIVE)
Actual Date: 11/27/2007

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Post-Closure Permit
Final Date: 2007-10-25 00:00:00
Type: RCRA
Title Description: Post Closure Permit for "SURFIMP1" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Post-Closure Permit - CEQA DETERMINATION
Actual Date: 10/25/2007

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Post-Closure Permit
Final Date: 2007-10-25 00:00:00
Type: RCRA
Title Description: Post Closure Permit for "SURFIMP1" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Post-Closure Permit - PUBLIC COMMENT (PUBLIC MEETING)
Actual Date: 09/11/2007

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported

SGS INDUSTRIAL (Continued) **S113094054**

Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Post-Closure Permit
Final Date: 2007-10-25 00:00:00
Type: RCRA
Title Description: Post Closure Permit for "SURFIMP1" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Post-Closure Permit - INITIAL ADMINISTRATIVE REVIEW COMPLETED
Actual Date: 09/27/1999

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: Closure Final
Final Date: Not reported
Type: RCRA
Title Description: Closure of "SURFIMP1" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: Closure Final - PUBLIC COMMENT (BEGIN)
Actual Date: 01/08/1996

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNIT
Activity Type: New Post-Closure Permit
Final Date: 2007-10-25 00:00:00
Type: RCRA
Title Description: Post Closure Permit for "SURFIMP1" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Post-Closure Permit - 1ST NOTICE OF DEFICIENCY ISSUED
Actual Date: 01/11/2007

Maint:
EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Title: 2019 2nd Quarter CAO progress
Document Type: Monitoring Report - Groundwater
Receive Date: 12/30/2019

SGS INDUSTRIAL (Continued) **S113094054**

Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Title: 2019 Fall Semi-Annual GWM Progress Report
Document Type: Monitoring Report - Groundwater
Receive Date: 04/21/2020
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Due Date: 05/21/2020

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Title: 2019 1st Quarter CAO progress
Document Type: Monitoring Report - Groundwater
Receive Date: 07/25/2019
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Title: Quarterly Ground Water Monitoring Report 1st Q 2018
Document Type: Monitoring Report - Groundwater
Receive Date: 04/26/2018
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Due Date: 05/26/2018

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Title: Semi-Annual Ground Water Monitoring Report Spring 2018
Document Type: Monitoring Report - Groundwater
Receive Date: 02/11/2019
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT

SGS INDUSTRIAL (Continued) **S113094054**

Title: Land Use Covenant Annual Inspection and Compliance Report for the Closed Process Water Pond
Document Type: Deed Restriction / LUC Monitoring Report
Receive Date: 03/08/2018
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Title: Semiannual Groundwater Monitoring Report
Document Type: Monitoring Report - Groundwater
Receive Date: 02/20/2018
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Due Date: 03/22/2018

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Title: Land Use Covenant Annual Inspection and Compliance Report for the Closed Process Water Pond
Document Type: Deed Restriction / LUC Monitoring Report
Receive Date: 03/01/2019
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Title: Quarterly CAO Progress Report
Document Type: Monitoring Report - Other
Receive Date: 01/29/2019
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Title: Semi-Annual Grond Water Monitoring Report Fall 2018
Document Type: Monitoring Workplan - Groundwater
Receive Date: 06/10/2019
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT

SGS INDUSTRIAL (Continued) **S113094054**

Due Date: Not reported

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Title: Identification/verification of comp fuels Facilities - Three Oil Bearing Storage Tanks
Document Type: File Review Request
Receive Date: 07/30/2015
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Title: Land Use Covenant Annual Inspection and Compliance Report for the Closed Process Water Pond
Document Type: Deed Restriction / LUC Monitoring Report
Receive Date: 03/01/2016
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Title: Semiannual Groundwater Monitoring Report
Document Type: Monitoring Workplan - Groundwater
Receive Date: 05/08/2017
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Title: 2018 4th Quarter CAO progress Report
Document Type: Certification Documents from Facility
Receive Date: 03/01/2019
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Title: Master Work Plan 2019 CAO Update
Document Type: Investigation Workplan

SGS INDUSTRIAL (Continued) **S113094054**

Receive Date: 09/30/2019
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Title: 66264.16(f) Training Certification
Document Type: Certification Documents from Facility
Receive Date: 03/23/2021
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Title: Groundwater Monitoring Report
Document Type: Monitoring Report - Groundwater
Receive Date: 04/20/2018
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Due Date: 03/22/2018

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Title: Review Facility revisions on the draft LUC
Document Type: Deed Restriction / LUC Issued
Receive Date: 08/23/2013
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Title: 2018 2nd Quarter CAO Report
Document Type: Certification Documents from Facility
Receive Date: 07/25/2018
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted

SGS INDUSTRIAL (Continued) **S113094054**

Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Title: Groundwater Monitoring Report
Document Type: Monitoring Report - Groundwater
Receive Date: 05/08/2017
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Title: Groundwater Monitoring Report
Document Type: Monitoring Report - Groundwater
Receive Date: 03/22/2011
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Title: Groundwater Monitoring Report
Document Type: Monitoring Report - Groundwater
Receive Date: 09/06/2011
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Due Date: 05/19/2011

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Title: Groundwater Monitoring Report
Document Type: Monitoring Report - Groundwater
Receive Date: 09/30/2011
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Due Date: 08/25/2011

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Title: Groundwater Monitoring Report
Document Type: Monitoring Report - Groundwater
Receive Date: 02/28/2012
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Due Date: 02/26/2012

SGS INDUSTRIAL (Continued) **S113094054**

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Title: Groundwater Monitoring Report
Document Type: Monitoring Report - Groundwater
Receive Date: 05/29/2012
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Title: Groundwater Monitoring Report
Document Type: Monitoring Report - Groundwater
Receive Date: 09/03/2013
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Due Date: 06/14/2013

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Title: Groundwater Monitoring Report
Document Type: Monitoring Report - Groundwater
Receive Date: 05/08/2017
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Title: Groundwater Monitoring Report
Document Type: Monitoring Report - Groundwater
Receive Date: 01/13/2014
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Title: Groundwater Monitoring Report
Document Type: Monitoring Report - Groundwater
Receive Date: 11/06/2014
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER

SGS INDUSTRIAL (Continued) **S113094054**

Facility Status: POST CLOSURE PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Title: Groundwater Monitoring Report
Document Type: Monitoring Report - Groundwater
Receive Date: 09/21/2015
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Title: Groundwater Monitoring Report
Document Type: Monitoring Report - Groundwater
Receive Date: 09/21/2015
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Title: Groundwater Monitoring Report
Document Type: Monitoring Report - Groundwater
Receive Date: 03/15/2016
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Title: 2019 3rd Quarter CAO Progress Report
Document Type: Monitoring Report - Groundwater
Receive Date: 12/30/2019
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Due Date: 12/19/2019

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Title: 2019 Spring Semi-Annual GWM Progress Report
Document Type: Monitoring Report - Groundwater
Receive Date: 12/30/2019

SGS INDUSTRIAL (Continued) **S113094054**

Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Title: Land Use Covenant
Document Type: Deed Restriction / LUC Issued
Receive Date: 08/23/2013
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Facility Status: POST CLOSURE PERMIT + PC UNIT
Due Date: Not reported

Alias:
EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Facility Status: POST CLOSURE PERMIT + PC UNIT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Alias Type: FRS
Alias: 110000476128

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Facility Status: POST CLOSURE PERMIT + PC UNIT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Alias Type: Project Code (Site Code)
Alias: 400277

EPA ID: CAD980881676
Facility Type: Post-Closure Permitted
Facility Name: PHILLIPS 66 CO LOS ANGELES REFINERY CARSON PLANT
Facility Status: POST CLOSURE PERMIT + PC UNIT
Project Manager: Not reported
Project Manager Lead: PARAMPREET BASRA
Supervisor: MOHAMMED OMER
Alias Type: Alternate Name
Alias: PHILLIPS 66 Company LARC

HAZNET:
Name: SGS INDUSTRIAL
Address: 1520 E SEPULVEDA
Address 2: Not reported
City,State,Zip: CARSON, CA 907496206
Contact: JAMES LOPEZ

SGS INDUSTRIAL (Continued) **S113094054**

Telephone: --
Mailing Name: Not reported
Mailing Address: 1655 E 28TH ST

Year: 1996
Gepaid: CAL000177996
TSD EPA ID: CAD108040858
CA Waste Code: 541 - Photochemicals/photoprocessing waste
Disposal Method: R01 - Recycler
Tons: 0.1584

Additional Info:
Year: 1996
Gen EPA ID: CAL000177996

Shipment Date: 19960709
Creation Date: 5/20/1997 0:00:00
Receipt Date: 19960709
Manifest ID: 96121833
Trans EPA ID: CAD108040858
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD108040858
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 541 - Photochemicals / photo processing waste
RCRA Code: D011
Meth Code: R01 - Recycler
Quantity Tons: 0.1584
Waste Quantity: 38
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

HWTS:
Name: SGS INDUSTRIAL
Address: 1520 E SEPULVEDA
Address 2: Not reported
City,State,Zip: CARSON, CA 90749
EPA ID: CAL000177996
Inactive Date: 06/01/1997
Create Date: 03/12/1996
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: 1655 E 28TH ST
Mailing Address 2: Not reported
Mailing City,State,Zip: SIGNAL HILL, CA 908060000
Owner Name: SGS INDUSTRIAL INC
Owner Address: 1655 E 28TH ST
Owner Address 2: Not reported

SGS INDUSTRIAL (Continued) **S113094054**

Owner City,State,Zip:	SIGNAL HILL, CA
Contact Name:	JAMES LOPEZ
Contact Address:	1655 E 28TH ST
Contact Address 2:	Not reported
City,State,Zip:	SIGNAL HILL, CA
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	33.808199
Longitude:	-118.243397

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116 NNE 1/2-1 0.940 mi. 4962 ft.

DAVIDSON CITY SUBSTATION
1521 WEST CARSON STREET
LONG BEACH, CA 90810

ENVIROSTOR VCP **S128004959 N/A**

Relative: Higher

Actual: 33 ft.

ENVIROSTOR:

Name:	DAVIDSON CITY SUBSTATION
Address:	1521 WEST CARSON STREET
City,State,Zip:	LONG BEACH, CA 90810
Facility ID:	60003160
Status:	Active
Status Date:	07/26/2021
Site Code:	401984
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Agreement
Acres:	0.5
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Jessy Fierro
Supervisor:	Allan Plaza
Division Branch:	Cleanup Chatsworth
Assembly:	70
Senate:	35
Special Program:	Voluntary Agreement - Standard Voluntary Agreement
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	33.8318
Longitude:	-118.2134
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	401984
Alias Type:	Project Code (Site Code)
Alias Name:	60003160
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Standard Voluntary Agreement
Completed Date:	09/01/2021
Comments:	SVA was amended and signed on 8/26/2021 and invoice sent on 8/31/2021.

DAVIDSON CITY SUBSTATION (Continued) **S128004959**

Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 01/27/2022
Comments: Not reported

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Certification
Future Due Date: 2024
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Removal Action Completion Report
Future Due Date: 2023
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Removal Action Workplan
Schedule Due Date: 06/30/2023
Schedule Revised Date: Not reported

VCP:
Name: DAVIDSON CITY SUBSTATION
Address: 1521 WEST CARSON STREET
City,State,Zip: LONG BEACH, CA 90810
Facility ID: 60003160
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Agreement
Site Mgmt. Req.: NONE SPECIFIED
Acres: 0.5
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Jessy Fierro
Supervisor: Allan Plaza
Division Branch: Cleanup Chatsworth
Site Code: 401984
Assembly: 70
Senate: 35
Special Programs Code: Voluntary Agreement - Standard Voluntary Agreement
Status: Active
Status Date: 07/26/2021
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 33.8318 / -118.2134
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 401984
Alias Type: Project Code (Site Code)
Alias Name: 60003160
Alias Type: Envirostor ID Number

DAVIDSON CITY SUBSTATION (Continued) **S128004959**

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Standard Voluntary Agreement
Completed Date:	09/01/2021
Comments:	SVA was amended and signed on 8/26/2021 and invoice sent on 8/31/2021. Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1
Completed Date:	01/27/2022
Comments:	Not reported
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Certification
Future Due Date:	2024
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Removal Action Completion Report
Future Due Date:	2023
Schedule Area Name:	PROJECT WIDE
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Removal Action Workplan
Schedule Due Date:	06/30/2023
Schedule Revised Date:	Not reported

117
NNW
1/2-1
0.980 mi.
5176 ft.

ALPERT & ALPERT IRON & METAL **ENVIROSTOR** **U001566213**
21930 S. WILMINGTON AVE. **HIST UST** **N/A**
CARSON, CA 90810

Relative:
Higher

Actual:
26 ft.

ENVIROSTOR:

Name:	ALPERT & ALPERT IRON & METAL
Address:	21930 S. WILMINGTON AVE.
City,State,Zip:	CARSON, CA 90810
Facility ID:	19990052
Status:	Refer: 1248 Local Agency
Status Date:	01/15/2004
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	0
NPL:	NO
Regulatory Agencies:	LOS ANGELES COUNTY
Lead Agency:	LOS ANGELES COUNTY
Program Manager:	Not reported
Supervisor:	Referred - Not Assigned
Division Branch:	Cleanup Cypress
Assembly:	64
Senate:	35
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not Applicable

ALPERT & ALPERT IRON & METAL (Continued) **U001566213**

Latitude: 33.82889
Longitude: -118.2401
APN: 7316025062, 7316025097
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 7316025062
Alias Type: APN
Alias Name: 7316025097
Alias Type: APN
Alias Name: 19990052
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

HIST UST:
Name: ALPERT AND ALPERT INC
Address: 21930 WILMINGTON AVENUE
City,State,Zip: LONG BEACH, CA 90810
File Number: 000262bc
URL: https://documents.geotracker.waterboards.ca.gov/ustpdfs/pdf/000262bc.pdf
Region: STATE
Facility ID: 00000041106
Facility Type: Other
Other Type: SCRAP IRON & METAL
Contact Name: JOSEPH HERNANDEZ, JR.
Telephone: 2138342659
Owner Name: ALPERT & ALPERT INC.
Owner Address: 21930 WILMINGTON AVENUE
Owner City,St,Zip: LONG BEACH, CA 90810
Total Tanks: 0002

Tank Num: 001
Container Num: 1
Year Installed: 1974
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: 1/4
Leak Detection: None

ALPERT & ALPERT IRON & METAL (Continued) **U001566213**

Tank Num:	002
Container Num:	2
Year Installed:	1974
Tank Capacity:	00005000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	#3
Leak Detection:	None

Click here for Geo Tracker PDF:

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118 NNW 1/2-1 0.988 mi. 5218 ft. **CLEAN STEEL INC.** **ENVIROSTOR** **S111828434**
2061 E. 220TH STREET **N/A**
CARSON, CA 90810

Relative: Higher

Actual: 26 ft.

ENVIROSTOR:

Name:	CLEAN STEEL INC.
Address:	2061 E. 220TH STREET
City,State,Zip:	CARSON, CA 90810
Facility ID:	70000130
Status:	Refer: 1248 Local Agency
Status Date:	09/07/2005
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	LA CNTY FIRE DEPT. (BILLING AND UST), LOS ANGELES COUNTY
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	* Greg Holmes
Division Branch:	Cleanup Cypress
Assembly:	64
Senate:	35
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not Applicable
Latitude:	33.82845
Longitude:	-118.2384
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	70000130
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	Not reported
Completed Sub Area Name:	Not reported
Completed Document Type:	Not reported
Completed Date:	Not reported
Comments:	Not reported
Future Area Name:	Not reported

CLEAN STEEL INC. (Continued) **S111828434**

Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

Count: 18 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
CARSON	S106387025	CITY OF CARSON - STADEL PROPERTY	643 223RD	90745	CPS-SLIC
CARSON	S106387026	CITY OF CARSON - LUCAS PROPERTY	2059 223RD	90745	CPS-SLIC
CARSON	S105911484	ACTA SOUTH - PARCEL SE-351	ALAMEDA	90810	CPS-SLIC
CARSON	S105911480	ACTA SOUTH - PARCEL SE-352/353	ALAMEDA	90810	CPS-SLIC
CARSON	S105911479	ACTA SOUTH - PARCEL SE-349	ALAMEDA	90810	CPS-SLIC
CARSON	S105911485	ACTA SOUTH - PARCEL SE-362	ALAMEDA	90745	CPS-SLIC
CARSON	S105911481	ACTA SOUTH - PARCEL SE-358	ALAMEDA	90745	CPS-SLIC
CARSON	S101480710	TED HAMMETT (CARSON)	EAST OF ALAMEDA & NORTH OF SEP	90745	ENVIROSTOR
CARSON	S101295816	GATX TERMIMALS CORP	2000 SEPULVEDA BLVD E	90745	LUST, HIST CORTESE
CARSON	S106386938	SOUTHERN CALIFORNIA GAS COMPANY	SEPULVEDA	90745	CPS-SLIC
LONG BEACH	S103878783	HILLTOP SPORTS PARK	SPRING	90806	CPS-SLIC
SIGNAL HILL	S103878696	SIGNAL HILL PETROLEUM - WEST UNIT	WILLOW	90806	CPS-SLIC
WILMINGTON	S106387111	ACTA SOUTH - PARCEL SE-372	ALAMEDA	90744	CPS-SLIC
WILMINGTON	S103878605	ORYX ENERGY CO.	ALAMEDA	90744	CPS-SLIC
WILMINGTON	S126327104	MIGUS357006 OFFSITE WELLS-DBA SHEL	250 E FT OF ALAMEDA ST & EAST	90744	CERS HAZ WASTE
WILMINGTON	S106387096	ACTA SOUTH - PCH GRADE SEPARATION	PACIFIC COAST	90744	CPS-SLIC
WILMINGTON	S106483368	ACTA PARCEL PCH-1542	1828, 1830 PACIFIC COAST	90744	CPS-SLIC
WILMINGTON	S105721836	ACTA SOUTH - MAINTENANCE YARD	SOUTHERN PACIFIC	90744	CPS-SLIC

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 01/25/2023
Date Data Arrived at EDR: 02/03/2023
Date Made Active in Reports: 02/28/2023
Number of Days to Update: 25

Source: EPA
Telephone: N/A
Last EDR Contact: 03/01/2023
Next Scheduled EDR Contact: 04/10/2023
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 3
Telephone 215-814-5418

EPA Region 4
Telephone 404-562-8033

EPA Region 5
Telephone 312-886-6686

EPA Region 10
Telephone 206-553-8665

EPA Region 6
Telephone: 214-655-6659

EPA Region 7
Telephone: 913-551-7247

EPA Region 8
Telephone: 303-312-6774

EPA Region 9
Telephone: 415-947-4246

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 01/25/2023
Date Data Arrived at EDR: 02/02/2023
Date Made Active in Reports: 02/28/2023
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 03/01/2023
Next Scheduled EDR Contact: 04/10/2023
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 01/25/2023
Date Data Arrived at EDR: 02/02/2023
Date Made Active in Reports: 02/28/2023
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 03/01/2023
Next Scheduled EDR Contact: 04/10/2023
Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 12/20/2022
Date Data Arrived at EDR: 12/21/2022
Date Made Active in Reports: 03/10/2023
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 03/28/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 01/25/2023
Date Data Arrived at EDR: 02/02/2023
Date Made Active in Reports: 02/28/2023
Number of Days to Update: 26

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/01/2023
Next Scheduled EDR Contact: 04/24/2023
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 01/25/2023
Date Data Arrived at EDR: 02/02/2023
Date Made Active in Reports: 02/28/2023
Number of Days to Update: 26

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/01/2023
Next Scheduled EDR Contact: 04/24/2023
Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 11/02/2022
Date Data Arrived at EDR: 11/08/2022
Date Made Active in Reports: 01/10/2023
Number of Days to Update: 63

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 02/03/2023
Next Scheduled EDR Contact: 05/22/2023
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 10/27/2022
Date Data Arrived at EDR: 11/16/2022
Date Made Active in Reports: 02/09/2023
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/21/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 10/27/2022
Date Data Arrived at EDR: 11/16/2022
Date Made Active in Reports: 02/09/2023
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/21/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/12/2022
Date Data Arrived at EDR: 12/14/2022
Date Made Active in Reports: 12/19/2022
Number of Days to Update: 5

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 03/21/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 10/24/2022
Date Data Arrived at EDR: 10/24/2022
Date Made Active in Reports: 01/12/2023
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/24/2023
Next Scheduled EDR Contact: 05/08/2023
Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 10/24/2022
Date Data Arrived at EDR: 10/24/2022
Date Made Active in Reports: 01/12/2023
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/24/2023
Next Scheduled EDR Contact: 05/08/2023
Data Release Frequency: Quarterly

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 11/03/2022
Date Data Arrived at EDR: 11/03/2022
Date Made Active in Reports: 01/25/2023
Number of Days to Update: 83

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 02/07/2023
Next Scheduled EDR Contact: 05/22/2023
Data Release Frequency: Quarterly

Lists of state and tribal leaking storage tanks

LUST REG 3: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List
Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing
For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks
California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

LUST REG 9: Leaking Underground Storage Tank Report
Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)
Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/02/2022
Date Data Arrived at EDR: 12/02/2022
Date Made Active in Reports: 02/22/2023
Number of Days to Update: 82

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Quarterly

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/19/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 11/26/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 10/14/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 11/23/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 11/23/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/14/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 11/23/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/20/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)
Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/02/2022
Date Data Arrived at EDR: 12/02/2022
Date Made Active in Reports: 02/22/2023
Number of Days to Update: 82

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: No Update Planned

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 10/14/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 02/01/2022
Number of Days to Update: 88

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 03/29/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

MILITARY UST SITES: Military UST Sites (GEOTRACKER)
Military ust sites

Date of Government Version: 12/02/2022
Date Data Arrived at EDR: 12/02/2022
Date Made Active in Reports: 02/21/2023
Number of Days to Update: 81

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases

UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 11/28/2022
Date Data Arrived at EDR: 12/02/2022
Date Made Active in Reports: 02/23/2023
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 12/02/2022
Date Data Arrived at EDR: 12/02/2022
Date Made Active in Reports: 02/22/2023
Number of Days to Update: 82

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 06/26/2023
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 11/23/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 10/14/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 11/23/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/19/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 11/23/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 11/23/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 10/14/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/20/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

Lists of state and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 07/08/2021
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties
Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 10/24/2022
Date Data Arrived at EDR: 10/24/2022
Date Made Active in Reports: 01/12/2023
Number of Days to Update: 80
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/24/2023
Next Scheduled EDR Contact: 05/08/2023
Data Release Frequency: Quarterly

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142
Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 03/17/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Varies

Lists of state and tribal brownfield sites

BROWNFIELDS: Considered Brownfieds Sites Listing
A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 12/14/2022
Date Data Arrived at EDR: 12/14/2022
Date Made Active in Reports: 03/07/2023
Number of Days to Update: 83
Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 03/21/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 02/23/2022
Date Data Arrived at EDR: 03/10/2022
Date Made Active in Reports: 03/10/2022
Number of Days to Update: 0
Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/14/2023
Next Scheduled EDR Contact: 06/26/2023
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database
Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 01/20/2023
Next Scheduled EDR Contact: 05/08/2023
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 12/02/2022
Date Data Arrived at EDR: 12/02/2022
Date Made Active in Reports: 02/22/2023
Number of Days to Update: 82

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 11/16/2022
Date Data Arrived at EDR: 11/22/2022
Date Made Active in Reports: 02/13/2023
Number of Days to Update: 83

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 02/15/2023
Next Scheduled EDR Contact: 05/22/2023
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 01/20/2023
Next Scheduled EDR Contact: 05/08/2023
Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 01/13/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 01/27/2023
Next Scheduled EDR Contact: 05/08/2023
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 01/06/2023
Date Data Arrived at EDR: 02/02/2023
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 8

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/02/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 10/24/2022
Date Data Arrived at EDR: 10/24/2022
Date Made Active in Reports: 01/12/2023
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/24/2023
Next Scheduled EDR Contact: 05/08/2023
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2022
Date Made Active in Reports: 02/09/2023
Number of Days to Update: 71

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 03/22/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Varies

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

CERS HAZ WASTE: CERS HAZ WASTE

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

Date of Government Version: 01/05/2023
Date Data Arrived at EDR: 01/06/2023
Date Made Active in Reports: 01/11/2023
Number of Days to Update: 5

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 01/06/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Quarterly

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 01/06/2023
Date Data Arrived at EDR: 02/02/2023
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 8

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/02/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing

Aboveground storage tank sites

Date of Government Version: 11/03/2022
Date Data Arrived at EDR: 11/07/2022
Date Made Active in Reports: 01/24/2023
Number of Days to Update: 78

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 01/27/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Varies

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CERS TANKS: California Environmental Reporting System (CERS) Tanks
List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 01/06/2023
Date Data Arrived at EDR: 01/06/2023
Date Made Active in Reports: 01/11/2023
Number of Days to Update: 5
Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 10/17/2022
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Quarterly

Local Land Records

LIENS: Environmental Liens Listing
A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 02/23/2023
Date Data Arrived at EDR: 02/24/2023
Date Made Active in Reports: 03/23/2023
Number of Days to Update: 27
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information
A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 01/25/2023
Date Data Arrived at EDR: 02/02/2023
Date Made Active in Reports: 02/28/2023
Number of Days to Update: 26
Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 03/01/2023
Next Scheduled EDR Contact: 04/10/2023
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing
Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 11/28/2022
Date Data Arrived at EDR: 11/29/2022
Date Made Active in Reports: 02/13/2023
Number of Days to Update: 76
Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 02/28/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/13/2022
Date Data Arrived at EDR: 12/14/2022
Date Made Active in Reports: 03/10/2023
Number of Days to Update: 86
Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 03/21/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 08/02/2022
Date Data Arrived at EDR: 10/17/2022
Date Made Active in Reports: 01/04/2023
Number of Days to Update: 79

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 01/20/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/02/2022
Date Data Arrived at EDR: 12/02/2022
Date Made Active in Reports: 02/21/2023
Number of Days to Update: 81

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/02/2022
Date Data Arrived at EDR: 12/02/2022
Date Made Active in Reports: 02/21/2023
Number of Days to Update: 81

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 11/01/2022
Date Data Arrived at EDR: 11/10/2022
Date Made Active in Reports: 02/09/2023
Number of Days to Update: 91

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 02/14/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 06/07/2021
Date Data Arrived at EDR: 07/13/2021
Date Made Active in Reports: 03/09/2022
Number of Days to Update: 239

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 01/13/2023
Next Scheduled EDR Contact: 04/24/2023
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 01/03/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 07/30/2021
Date Data Arrived at EDR: 02/03/2023
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 02/02/2023
Next Scheduled EDR Contact: 05/22/2023
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 12/13/2022
Date Data Arrived at EDR: 12/14/2022
Date Made Active in Reports: 03/10/2023
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 03/21/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 01/30/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 02/03/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 06/14/2022
Date Made Active in Reports: 03/24/2023
Number of Days to Update: 283

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/13/2023
Next Scheduled EDR Contact: 06/26/2023
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 11/01/2022
Date Made Active in Reports: 02/09/2023
Number of Days to Update: 100

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 02/16/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 10/17/2022
Date Data Arrived at EDR: 10/18/2022
Date Made Active in Reports: 01/10/2023
Number of Days to Update: 84

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 01/18/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 01/25/2023
Date Data Arrived at EDR: 02/02/2023
Date Made Active in Reports: 02/28/2023
Number of Days to Update: 26

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 03/01/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 04/27/2022
Date Data Arrived at EDR: 05/04/2022
Date Made Active in Reports: 05/10/2022
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/27/2022
Date Data Arrived at EDR: 11/01/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 14

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 03/01/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 01/20/2022
Date Data Arrived at EDR: 01/20/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 64

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 01/04/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 03/29/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 10/26/2022
Date Data Arrived at EDR: 11/22/2022
Date Made Active in Reports: 12/05/2022
Number of Days to Update: 13
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/22/2022
Number of Days to Update: 84
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 03/03/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 02/27/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 02/03/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 03/23/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 01/24/2023
Next Scheduled EDR Contact: 05/08/2023
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 09/30/2022
Date Data Arrived at EDR: 10/21/2022
Date Made Active in Reports: 01/10/2023
Number of Days to Update: 81

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 01/03/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 01/06/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 07/26/2021
Date Data Arrived at EDR: 07/27/2021
Date Made Active in Reports: 10/22/2021
Number of Days to Update: 87

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 01/30/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 02/13/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 01/25/2023
Date Data Arrived at EDR: 02/02/2023
Date Made Active in Reports: 02/28/2023
Number of Days to Update: 26

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 03/01/2023
Next Scheduled EDR Contact: 04/10/2023
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 11/07/2022
Date Data Arrived at EDR: 11/17/2022
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 85

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 02/22/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 02/27/2023
Date Data Arrived at EDR: 03/01/2023
Date Made Active in Reports: 03/24/2023
Number of Days to Update: 23

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 02/23/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Quarterly

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 05/06/2020
Date Data Arrived at EDR: 05/27/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 78

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 02/24/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 02/24/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 12/20/2022
Date Data Arrived at EDR: 12/20/2022
Date Made Active in Reports: 03/10/2023
Number of Days to Update: 80

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 03/16/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 02/02/2023
Date Data Arrived at EDR: 02/28/2023
Date Made Active in Reports: 03/24/2023
Number of Days to Update: 24

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 02/28/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 02/24/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 09/25/2022
Date Data Arrived at EDR: 09/30/2022
Date Made Active in Reports: 12/22/2022
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 01/04/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 11/09/2021
Date Data Arrived at EDR: 10/20/2022
Date Made Active in Reports: 01/10/2023
Number of Days to Update: 82

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 01/09/2023
Next Scheduled EDR Contact: 04/24/2023
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 11/10/2022
Date Data Arrived at EDR: 11/10/2022
Date Made Active in Reports: 02/09/2023
Number of Days to Update: 91

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 02/14/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Quarterly

PFAS NPL: Superfund Sites with PFAS Detections Information

EPA's Office of Land and Emergency Management and EPA Regional Offices maintain data describing what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment.

Date of Government Version: 02/23/2022
Date Data Arrived at EDR: 07/08/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 123

Source: Environmental Protection Agency
Telephone: 703-603-8895
Last EDR Contact: 01/10/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Varies

PFAS FEDERAL SITES: Federal Sites PFAS Information

Several federal entities, such as the federal Superfund program, Department of Defense, National Aeronautics and Space Administration, Department of Transportation, and Department of Energy provided information for sites with known or suspected detections at federal facilities.

Date of Government Version: 02/23/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 222

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 01/05/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Varies

PFAS TSCA: PFAS Manufacture and Imports Information

EPA issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. EPA publishes non-confidential business information (non-CBI) and includes descriptive information about each site, corporate parent, production volume, other manufacturing information, and processing and use information.

Date of Government Version: 01/03/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 222

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 01/05/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Varies

PFAS RCRA MANIFEST: PFAS Transfers Identified In the RCRA Database Listing

To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: PFAS, PFOA, PFOS, PERFL, AFFF, GENX, GEN-X (plus the VT waste codes). These keywords were searched for in the following text fields: Manifest handling instructions (MANIFEST_HANDLING_INSTR), Non-hazardous waste description (NON_HAZ_WASTE_DESCRIPTION), DOT printed information (DOT_PRINTED_INFORMATION), Waste line handling instructions (WASTE_LINE_HANDLING_INSTR), Waste residue comments (WASTE_RESIDUE_COMMENTS).

Date of Government Version: 01/03/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 222

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 01/05/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Varies

PFAS ATSDR: PFAS Contamination Site Location Listing

PFAS contamination site locations from the Department of Health & Human Services, Center for Disease Control & Prevention. ATSDR is involved at a number of PFAS-related sites, either directly or through assisting state and federal partners. As of now, most sites are related to drinking water contamination connected with PFAS production facilities or fire training areas where aqueous film-forming firefighting foam (AFFF) was regularly used.

Date of Government Version: 06/24/2020
Date Data Arrived at EDR: 03/17/2021
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 601

Source: Department of Health & Human Services
Telephone: 202-741-5770
Last EDR Contact: 01/23/2023
Next Scheduled EDR Contact: 05/08/2023
Data Release Frequency: Varies

PFAS WQP: Ambient Environmental Sampling for PFAS

The Water Quality Portal (WQP) is a part of a modernized repository storing ambient sampling data for all environmental media and tissue samples. A wide range of federal, state, tribal and local governments, academic and non-governmental organizations and individuals submit project details and sampling results to this public repository. The information is commonly used for research and assessments of environmental quality.

Date of Government Version: 01/03/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 222

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 01/05/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Varies

PFAS NPDES: Clean Water Act Discharge Monitoring Information

Any discharger of pollutants to waters of the United States from a point source must have a National Pollutant Discharge Elimination System (NPDES) permit. The process for obtaining limits involves the regulated entity (permittee) disclosing releases in a NPDES permit application and the permitting authority (typically the state but sometimes EPA) deciding whether to require monitoring or monitoring with limits.

Date of Government Version: 01/03/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 222

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 01/05/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Varies

PFAS ECHO: Facilities in Industries that May Be Handling PFAS Listing

Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. EPA has developed a dataset from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

Date of Government Version: 01/03/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 222

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 01/05/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Varies

PFAS ECHO FIRE TRAINING: Facilities in Industries that May Be Handling PFAS Listing

A list of fire training sites was added to the Industry Sectors dataset using a keyword search on the permitted facilitys name to identify sites where fire-fighting foam may have been used in training exercises. Additionally, you may view an example spreadsheet of the subset of fire training facility data, as well as the keywords used in selecting or deselecting a facility for the subset. as well as the keywords used in selecting or deselecting a facility for the subset. These keywords were tested to maximize accuracy in selecting facilities that may use fire-fighting foam in training exercises, however, due to the lack of a required reporting field in the data systems for designating fire training sites, this methodology may not identify all fire training sites or may potentially misidentify them.

Date of Government Version: 08/22/2018
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 222

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 01/05/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Varies

PFAS PART 139 AIRPORT: All Certified Part 139 Airports PFAS Information Listing

Since July 1, 2006, all certified part 139 airports are required to have fire-fighting foam onsite that meet military specifications (MIL-F-24385) (14 CFR 139.317). To date, these military specification fire-fighting foams are fluorinated and have been historically used for training and extinguishing. The 2018 FAA Reauthorization Act has a provision stating that no later than October 2021, FAA shall not require the use of fluorinated AFFF. This provision does not prohibit the use of fluorinated AFFF at Part 139 civilian airports; it only prohibits FAA from mandating its use. The Federal Aviation Administration?s document AC 150/5210-6D - Aircraft Fire Extinguishing Agents provides guidance on Aircraft Fire Extinguishing Agents, which includes Aqueous Film Forming Foam (AFFF).

Date of Government Version: 08/22/2018
Date Data Arrived at EDR: 10/26/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 01/05/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Varies

AQUEOUS FOAM NRC: Aqueous Foam Related Incidents Listing

The National Response Center (NRC) serves as an emergency call center that fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. The spreadsheets posted to the NRC website contain initial incident data that has not been validated or investigated by a federal/state response agency. Response center calls from 1990 to the most recent complete calendar year where there was indication of Aqueous Film Forming Foam (AFFF) usage are included in this dataset. NRC calls may reference AFFF usage in the ?Material Involved? or ?Incident Description? fields.

Date of Government Version: 02/23/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 222

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 01/05/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Varies

PFAS: PFAS Contamination Site Location Listing

A listing of PFAS contaminated sites included in the GeoTracker database.

Date of Government Version: 12/02/2022
Date Data Arrived at EDR: 12/02/2022
Date Made Active in Reports: 02/23/2023
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

AQUEOUS FOAM: Former Fire Training Facility Assessments Listing

Airports shown on this list are those believed to use Aqueous Film Forming Foam (AFFF), and certified by the Federal Aviation Administration (FAA) under Title 14, Code of Federal Regulations (CFR), Part 139 (14 CFR Part 139). This list was created by SWRCB using information available from the FAA. Location points shown are from the latitude and longitude listed on the FAA airport master record.

Date of Government Version: 09/06/2022
Date Data Arrived at EDR: 09/06/2022
Date Made Active in Reports: 10/26/2022
Number of Days to Update: 50

Source: State Water Resources Control Board
Telephone: 916-341-5455
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 12/14/2022
Date Data Arrived at EDR: 12/14/2022
Date Made Active in Reports: 03/07/2023
Number of Days to Update: 83

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 03/21/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing

list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 12/07/2021
Date Data Arrived at EDR: 05/09/2022
Date Made Active in Reports: 05/17/2022
Number of Days to Update: 8

Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 02/10/2023
Next Scheduled EDR Contact: 05/22/2023
Data Release Frequency: Varies

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 11/14/2022
Date Data Arrived at EDR: 11/14/2022
Date Made Active in Reports: 02/01/2023
Number of Days to Update: 79

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 02/23/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

DRYCLEANERS: Cleaner Facilities
A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 08/27/2021
Date Data Arrived at EDR: 09/01/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 79

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 01/24/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Annually

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 11/17/2022
Date Data Arrived at EDR: 11/30/2022
Date Made Active in Reports: 02/14/2023
Number of Days to Update: 76

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 02/15/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: Varies

EMI: Emissions Inventory Data
Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/30/2022
Number of Days to Update: 78

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 03/16/2023
Next Scheduled EDR Contact: 06/26/2023
Data Release Frequency: Varies

ENF: Enforcement Action Listing
A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 10/17/2022
Date Data Arrived at EDR: 10/19/2022
Date Made Active in Reports: 01/10/2023
Number of Days to Update: 83

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 01/18/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
Financial Assurance information

Date of Government Version: 10/12/2022
Date Data Arrived at EDR: 10/12/2022
Date Made Active in Reports: 12/29/2022
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 01/13/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing
A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 11/08/2022
Date Data Arrived at EDR: 11/23/2022
Date Made Active in Reports: 02/13/2023
Number of Days to Update: 82

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 02/03/2023
Next Scheduled EDR Contact: 05/22/2023
Data Release Frequency: Varies

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 11/10/2022
Date Data Arrived at EDR: 11/10/2022
Date Made Active in Reports: 02/01/2023
Number of Days to Update: 83

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 02/14/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 11/10/2022
Date Data Arrived at EDR: 11/10/2022
Date Made Active in Reports: 02/01/2023
Number of Days to Update: 83

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/14/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 01/03/2023
Date Data Arrived at EDR: 01/04/2023
Date Made Active in Reports: 03/21/2023
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 01/04/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Quarterly

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 07/05/2022
Date Made Active in Reports: 09/19/2022
Number of Days to Update: 76

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 01/06/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Annually

MINES: Mines Site Location Listing
A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 12/02/2022
Date Data Arrived at EDR: 12/02/2022
Date Made Active in Reports: 02/22/2023
Number of Days to Update: 82
Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing
The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 10/31/2022
Date Data Arrived at EDR: 11/29/2022
Date Made Active in Reports: 02/14/2023
Number of Days to Update: 77
Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 02/28/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

NPDES: NPDES Permits Listing
A listing of NPDES permits, including stormwater.

Date of Government Version: 11/03/2022
Date Data Arrived at EDR: 11/03/2022
Date Made Active in Reports: 01/25/2023
Number of Days to Update: 83
Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 02/07/2023
Next Scheduled EDR Contact: 05/22/2023
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing
A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 11/28/2022
Date Data Arrived at EDR: 11/29/2022
Date Made Active in Reports: 02/14/2023
Number of Days to Update: 77
Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 02/28/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Quarterly

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 12/02/2022
Date Data Arrived at EDR: 12/02/2022
Date Made Active in Reports: 02/22/2023
Number of Days to Update: 82
Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records
Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 12/07/2022
Date Data Arrived at EDR: 12/07/2022
Date Made Active in Reports: 03/01/2023
Number of Days to Update: 84
Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 06/26/2023
Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/03/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 01/26/2021
Number of Days to Update: 82
Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 01/27/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Annually

UIC: UIC Listing
A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 12/02/2022
Date Data Arrived at EDR: 12/02/2022
Date Made Active in Reports: 02/22/2023
Number of Days to Update: 82
Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)
Underground control injection sites

Date of Government Version: 12/02/2022
Date Data Arrived at EDR: 12/02/2022
Date Made Active in Reports: 02/21/2023
Number of Days to Update: 81
Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing
Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 02/11/2021
Date Data Arrived at EDR: 07/01/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 90
Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 01/06/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Varies

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9
Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 02/13/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: No Update Planned

WIP: Well Investigation Program Case List
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13
Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 03/16/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)
Military privatized sites

Date of Government Version: 12/02/2022
Date Data Arrived at EDR: 12/02/2022
Date Made Active in Reports: 02/21/2023
Number of Days to Update: 81

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)
Projects sites

Date of Government Version: 12/02/2022
Date Data Arrived at EDR: 12/02/2022
Date Made Active in Reports: 02/21/2023
Number of Days to Update: 81

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing
In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 12/02/2022
Date Data Arrived at EDR: 12/02/2022
Date Made Active in Reports: 02/23/2023
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System
The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 11/28/2022
Date Data Arrived at EDR: 11/29/2022
Date Made Active in Reports: 02/13/2023
Number of Days to Update: 76

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 02/28/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data
The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 01/05/2023
Date Data Arrived at EDR: 01/06/2023
Date Made Active in Reports: 01/10/2023
Number of Days to Update: 4

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 01/06/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)
Non-Case Information sites

Date of Government Version: 12/02/2022
Date Data Arrived at EDR: 12/02/2022
Date Made Active in Reports: 02/21/2023
Number of Days to Update: 81

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)
Other Oil & Gas Projects sites

Date of Government Version: 12/02/2022
Date Data Arrived at EDR: 12/02/2022
Date Made Active in Reports: 02/21/2023
Number of Days to Update: 81
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)
Produced water ponds sites

Date of Government Version: 12/02/2022
Date Data Arrived at EDR: 12/02/2022
Date Made Active in Reports: 02/21/2023
Number of Days to Update: 81
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)
Sampling point - public sites

Date of Government Version: 12/02/2022
Date Data Arrived at EDR: 12/02/2022
Date Made Active in Reports: 02/21/2023
Number of Days to Update: 81
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)
Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 12/02/2022
Date Data Arrived at EDR: 12/02/2022
Date Made Active in Reports: 02/21/2023
Number of Days to Update: 81
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

PFAS TRIS: List of PFAS Added to the TRI
Section 7321 of the National Defense Authorization Act for Fiscal Year 2020 (NDAA) immediately added certain per- and polyfluoroalkyl substances (PFAS) to the list of chemicals covered by the Toxics Release Inventory (TRI) under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) and provided a framework for additional PFAS to be added to TRI on an annual basis.

Date of Government Version: 03/07/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/24/2023
Number of Days to Update: 17
Source: Environmental Protection Agency
Telephone: 202-566-0250
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 08/23/2022
Date Data Arrived at EDR: 11/22/2022
Date Made Active in Reports: 02/28/2023
Number of Days to Update: 98
Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 02/24/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: Varies

PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 12/28/2022
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Semi-Annually

PCS ENF: Enforcement data

No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 12/28/2022
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Varies

HWTS: Hazardous Waste Tracking System

DTSC maintains the Hazardous Waste Tracking System that stores ID number information since the early 1980s and manifest data since 1993. The system collects both manifest copies from the generator and destination facility.

Date of Government Version: 04/05/2022
Date Data Arrived at EDR: 04/05/2022
Date Made Active in Reports: 04/26/2022
Number of Days to Update: 21

Source: Department of Toxic Substances Control
Telephone: 916-324-2444
Last EDR Contact: 01/03/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Varies

PCS INACTIVE: Listing of Inactive PCS Permits

An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 12/28/2022
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Semi-Annually

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 03/29/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks
Underground storage tank sites located in Alameda county.

Date of Government Version: 12/28/2022
Date Data Arrived at EDR: 12/28/2022
Date Made Active in Reports: 03/17/2023
Number of Days to Update: 79

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 03/29/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List
Cupa Facility List

Date of Government Version: 07/22/2022
Date Data Arrived at EDR: 07/27/2022
Date Made Active in Reports: 08/01/2022
Number of Days to Update: 5

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 01/27/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing
Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 03/29/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 12/13/2022
Date Data Arrived at EDR: 12/15/2022
Date Made Active in Reports: 12/21/2022
Number of Days to Update: 6

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 03/16/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/06/2020
Date Data Arrived at EDR: 04/23/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 78

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 10/20/2022
Date Data Arrived at EDR: 10/21/2022
Date Made Active in Reports: 01/10/2023
Number of Days to Update: 81

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 01/20/2023
Next Scheduled EDR Contact: 05/08/2023
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 05/04/2022
Date Data Arrived at EDR: 05/06/2022
Date Made Active in Reports: 07/28/2022
Number of Days to Update: 83

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 02/03/2023
Next Scheduled EDR Contact: 05/08/2023
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/08/2022
Date Data Arrived at EDR: 08/09/2022
Date Made Active in Reports: 09/01/2022
Number of Days to Update: 23

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 01/20/2023
Next Scheduled EDR Contact: 05/08/2023
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: CUPA Resources List
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 06/28/2021
Date Data Arrived at EDR: 12/21/2021
Date Made Active in Reports: 03/03/2022
Number of Days to Update: 72

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 12/29/2022
Next Scheduled EDR Contact: 04/10/2023
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 01/13/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/12/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 88

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 02/09/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 10/11/2022
Date Data Arrived at EDR: 10/12/2022
Date Made Active in Reports: 12/29/2022
Number of Days to Update: 78

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 01/13/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INYO COUNTY:

CUPA INYO: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 72

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 02/09/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Varies

KERN COUNTY:

CUPA KERN: CUPA Facility List
A listing of sites included in the Kern County Hazardous Material Business Plan.

Date of Government Version: 10/03/2022
Date Data Arrived at EDR: 10/05/2022
Date Made Active in Reports: 12/16/2022
Number of Days to Update: 72

Source: Kern County Public Health
Telephone: 661-321-3000
Last EDR Contact: 01/27/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Varies

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 10/03/2022
Date Data Arrived at EDR: 10/05/2022
Date Made Active in Reports: 12/16/2022
Number of Days to Update: 72

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 01/27/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 12/03/2020
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/14/2021
Number of Days to Update: 78

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 02/09/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List
Cupa facility list

Date of Government Version: 11/04/2022
Date Data Arrived at EDR: 11/07/2022
Date Made Active in Reports: 01/25/2023
Number of Days to Update: 79

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 03/10/2023
Next Scheduled EDR Contact: 04/24/2023
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List
Cupa facility list

Date of Government Version: 07/31/2020
Date Data Arrived at EDR: 08/21/2020
Date Made Active in Reports: 11/09/2020
Number of Days to Update: 80

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 01/13/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: N/A
Telephone: N/A
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 06/26/2023
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 01/09/2023
Date Data Arrived at EDR: 01/12/2023
Date Made Active in Reports: 03/29/2023
Number of Days to Update: 76

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 03/29/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 01/09/2023
Date Data Arrived at EDR: 01/10/2023
Date Made Active in Reports: 03/23/2023
Number of Days to Update: 72

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 01/10/2023
Next Scheduled EDR Contact: 04/24/2023
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LF LOS ANGELES CITY: City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 12/31/2022
Date Data Arrived at EDR: 01/12/2023
Date Made Active in Reports: 03/29/2023
Number of Days to Update: 76

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 01/05/2023
Next Scheduled EDR Contact: 04/24/2023
Data Release Frequency: Varies

LOS ANGELES AST: Active & Inactive AST Inventory
A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 03/16/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Varies

LOS ANGELES CO LF METHANE: Methane Producing Landfills
This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 01/10/2022
Date Data Arrived at EDR: 01/12/2022
Date Made Active in Reports: 04/04/2022
Number of Days to Update: 82

Source: Los Angeles County Department of Public Works
Telephone: 626-458-6973
Last EDR Contact: 01/05/2023
Next Scheduled EDR Contact: 04/24/2023
Data Release Frequency: No Update Planned

LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory
A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 11/01/2022
Date Data Arrived at EDR: 12/14/2022
Date Made Active in Reports: 03/07/2023
Number of Days to Update: 83

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 03/24/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Varies

LOS ANGELES UST: Active & Inactive UST Inventory
A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 11/01/2022
Date Data Arrived at EDR: 12/14/2022
Date Made Active in Reports: 03/07/2023
Number of Days to Update: 83

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 03/24/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation List
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 05/26/2021
Date Data Arrived at EDR: 07/09/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 82

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 01/20/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Annually

UST EL SEGUNDO: City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 01/05/2023
Next Scheduled EDR Contact: 04/24/2023
Data Release Frequency: No Update Planned

UST LONG BEACH: City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 65

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 01/20/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 10/18/2022
Date Data Arrived at EDR: 10/19/2022
Date Made Active in Reports: 01/10/2023
Number of Days to Update: 83

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 01/13/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 08/10/2020
Date Data Arrived at EDR: 08/12/2020
Date Made Active in Reports: 10/23/2020
Number of Days to Update: 72

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 02/09/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 29

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 03/22/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Semi-Annually

MENDOCINO COUNTY:

UST MENDOCINO: Mendocino County UST Database
A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/22/2021
Date Data Arrived at EDR: 11/18/2021
Date Made Active in Reports: 11/22/2021
Number of Days to Update: 4

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 02/15/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 02/15/2022
Date Data Arrived at EDR: 02/17/2022
Date Made Active in Reports: 05/11/2022
Number of Days to Update: 83

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 01/31/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 02/22/2021
Date Data Arrived at EDR: 03/02/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 78

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 02/15/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 10/04/2021
Date Data Arrived at EDR: 10/06/2021
Date Made Active in Reports: 12/29/2021
Number of Days to Update: 84

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 03/22/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 02/15/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 09/05/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 02/15/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 10/27/2022
Date Data Arrived at EDR: 10/27/2022
Date Made Active in Reports: 01/18/2023
Number of Days to Update: 83

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 01/20/2023
Next Scheduled EDR Contact: 05/08/2023
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 05/24/2022
Date Data Arrived at EDR: 08/09/2022
Date Made Active in Reports: 10/28/2022
Number of Days to Update: 80

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 01/31/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 04/08/2022
Date Data Arrived at EDR: 05/18/2022
Date Made Active in Reports: 08/03/2022
Number of Days to Update: 77

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 01/31/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 05/24/2022
Date Data Arrived at EDR: 08/01/2022
Date Made Active in Reports: 10/20/2022
Number of Days to Update: 80

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 01/31/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Quarterly

PLACER COUNTY:

MS PLACER: Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 08/26/2022
Date Data Arrived at EDR: 08/29/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 78

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 02/13/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 01/13/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

RIVERSIDE COUNTY:

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 09/22/2022
Date Data Arrived at EDR: 09/26/2022
Date Made Active in Reports: 12/09/2022
Number of Days to Update: 74

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 06/26/2023
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 09/22/2022
Date Data Arrived at EDR: 09/26/2022
Date Made Active in Reports: 12/09/2022
Number of Days to Update: 74

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 06/26/2023
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 11/07/2022
Date Data Arrived at EDR: 12/21/2022
Date Made Active in Reports: 03/16/2023
Number of Days to Update: 85

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 12/21/2022
Next Scheduled EDR Contact: 04/10/2023
Data Release Frequency: Quarterly

ML SACRAMENTO: Master Hazardous Materials Facility List
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 11/07/2022
Date Data Arrived at EDR: 12/09/2022
Date Made Active in Reports: 03/01/2023
Number of Days to Update: 82

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 12/09/2022
Next Scheduled EDR Contact: 04/10/2023
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List
Cupa facility list

Date of Government Version: 10/27/2022
Date Data Arrived at EDR: 10/28/2022
Date Made Active in Reports: 01/18/2023
Number of Days to Update: 82

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 01/27/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 11/18/2022
Date Data Arrived at EDR: 11/21/2022
Date Made Active in Reports: 02/09/2023
Number of Days to Update: 80

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 01/30/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

HMMD SAN DIEGO: Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 11/28/2022
Date Data Arrived at EDR: 11/29/2022
Date Made Active in Reports: 02/14/2023
Number of Days to Update: 77

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 02/28/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/27/2021
Date Data Arrived at EDR: 03/04/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 88

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 01/13/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing

A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 07/22/2021
Date Data Arrived at EDR: 10/19/2021
Date Made Active in Reports: 01/13/2022
Number of Days to Update: 86

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 01/13/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

SAN DIEGO CO SAM: Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 02/23/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 11/03/2022
Date Data Arrived at EDR: 11/07/2022
Date Made Active in Reports: 01/25/2023
Number of Days to Update: 79

Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 01/27/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Varies

LUST SAN FRANCISCO: Local Oversite Facilities
A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 01/27/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: No Update Planned

UST SAN FRANCISCO: Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/03/2022
Date Data Arrived at EDR: 11/07/2022
Date Made Active in Reports: 01/24/2023
Number of Days to Update: 78

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 01/27/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Quarterly

SAN FRANCISO COUNTY:

SAN FRANCISCO MAHER: Maher Ordinance Property Listing
a listing of properties that fall within a Maher Ordinance, for all of San Francisco

Date of Government Version: 10/11/2022
Date Data Arrived at EDR: 10/14/2022
Date Made Active in Reports: 01/04/2023
Number of Days to Update: 82

Source: San Francisco Planning
Telephone: 628-652-7483
Last EDR Contact: 01/13/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 06/26/2023
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 11/08/2022
Date Data Arrived at EDR: 11/09/2022
Date Made Active in Reports: 02/01/2023
Number of Days to Update: 84

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 02/09/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 64
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/10/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019
Date Data Arrived at EDR: 03/29/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 61
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/02/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28
Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 02/09/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 10/28/2022
Date Data Arrived at EDR: 11/01/2022
Date Made Active in Reports: 01/20/2023
Number of Days to Update: 80
Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 02/09/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22
Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LUST SANTA CLARA: LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13
Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 02/15/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: No Update Planned

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 02/09/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 02/09/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/13/2019
Number of Days to Update: 68

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 02/23/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 09/15/2021
Date Data Arrived at EDR: 09/16/2021
Date Made Active in Reports: 12/09/2021
Number of Days to Update: 84

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 02/23/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 07/02/2021
Date Data Arrived at EDR: 07/06/2021
Date Made Active in Reports: 07/14/2021
Number of Days to Update: 8

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 06/28/2021
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 06/30/2021
Date Made Active in Reports: 09/24/2021
Number of Days to Update: 86

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 03/16/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 02/08/2022
Date Data Arrived at EDR: 02/10/2022
Date Made Active in Reports: 05/04/2022
Number of Days to Update: 83

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 01/09/2023
Next Scheduled EDR Contact: 04/24/2023
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 08/03/2022
Date Data Arrived at EDR: 08/25/2022
Date Made Active in Reports: 11/14/2022
Number of Days to Update: 81

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 02/23/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 11/17/2022
Date Data Arrived at EDR: 11/21/2022
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 81

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 01/27/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 10/11/2022
Date Data Arrived at EDR: 10/12/2022
Date Made Active in Reports: 12/29/2022
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 01/13/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 10/07/2022
Date Data Arrived at EDR: 10/07/2022
Date Made Active in Reports: 12/21/2022
Number of Days to Update: 75

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 01/27/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List
Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 01/13/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

VENTURA COUNTY:

BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 09/26/2022
Date Data Arrived at EDR: 10/19/2022
Date Made Active in Reports: 01/10/2023
Number of Days to Update: 83

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Quarterly

LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/22/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: No Update Planned

LUST VENTURA: Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 02/02/2023
Next Scheduled EDR Contact: 05/22/2023
Data Release Frequency: No Update Planned

MED WASTE VENTURA: Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 09/26/2022
Date Data Arrived at EDR: 10/20/2022
Date Made Active in Reports: 01/10/2023
Number of Days to Update: 82

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Quarterly

UST VENTURA: Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 11/28/2022
Date Data Arrived at EDR: 12/02/2022
Date Made Active in Reports: 02/23/2023
Number of Days to Update: 83

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 12/19/2022
Date Data Arrived at EDR: 12/27/2022
Date Made Active in Reports: 03/17/2023
Number of Days to Update: 80

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 03/22/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 10/25/2022
Date Data Arrived at EDR: 10/26/2022
Date Made Active in Reports: 10/31/2022
Number of Days to Update: 5

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 01/20/2023
Next Scheduled EDR Contact: 05/08/2023
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 11/16/2022
Date Data Arrived at EDR: 11/16/2022
Date Made Active in Reports: 02/06/2023
Number of Days to Update: 82

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 02/10/2023
Next Scheduled EDR Contact: 05/22/2023
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 12/28/2022
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 10/29/2021
Date Made Active in Reports: 01/19/2022
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 01/27/2023
Next Scheduled EDR Contact: 05/08/2023
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 01/06/2023
Next Scheduled EDR Contact: 04/24/2023
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/18/2022
Number of Days to Update: 80

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 02/13/2022
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/06/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: Endeavor Business Media
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data
Source: Endeavor Business Media
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.
Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

AVOCET GEN-TIE
23320 SOUTH ALAMEDA STREET
LONG BEACH, CA 90810

TARGET PROPERTY COORDINATES

Latitude (North):	33.810846 - 33˚ 48’ 39.05’’
Longitude (West):	118.226926 - 118˚ 13’ 36.93’’
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	386439.7
UTM Y (Meters):	3741666.0
Elevation:	23 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	11997952 LONG BEACH, CA
Version Date:	2018
West Map:	11997978 TORRANCE, CA
Version Date:	2018

EDR’s GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

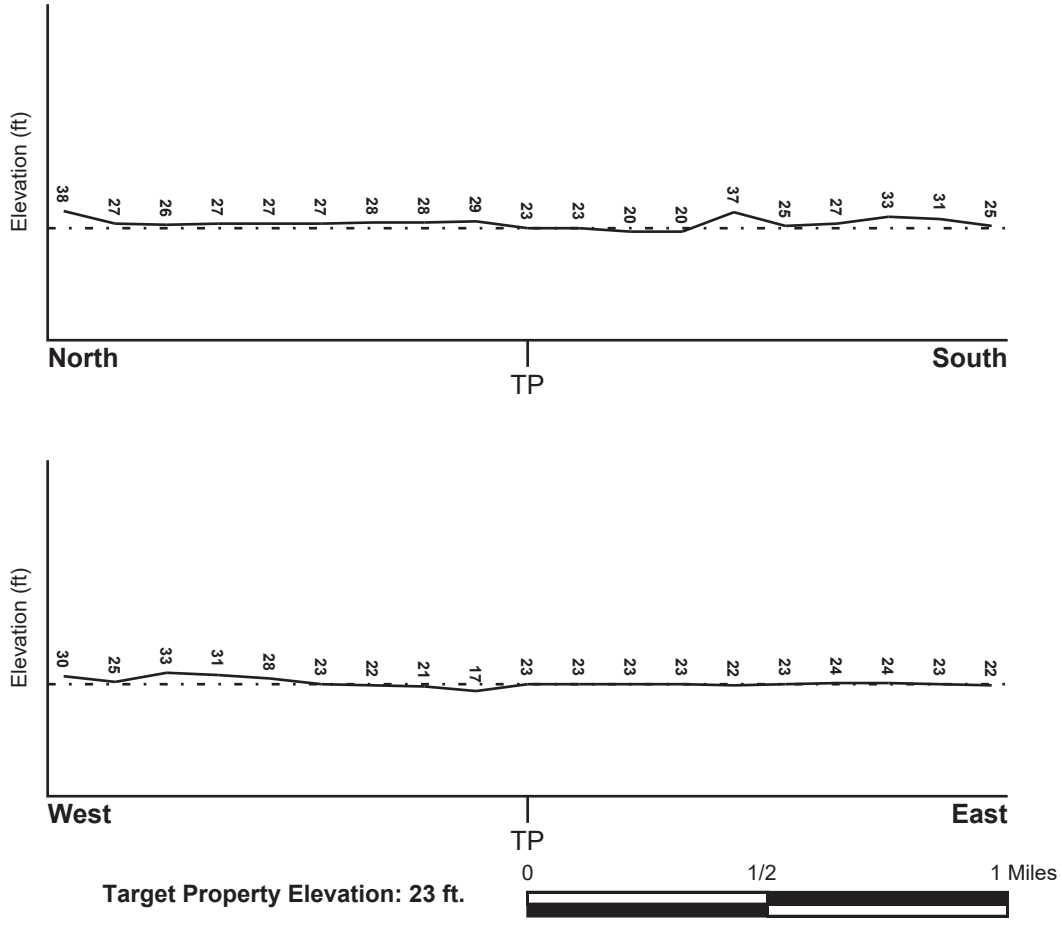
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SSW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
06037C1965F	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
06037C1955F	FEMA FIRM Flood data
06037C1962F	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
NORTH LONG BEACH (OE)	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Location Relative to TP:	1/4 - 1/2 Mile WNW
Site Name:	TEXACO USA DIV TEXACO INC
Site EPA ID Number:	CAT000646331
Groundwater Flow Direction:	W IN THE GASPUR/GAGE AND LYNWOOD AQUIFERS AND E IN THE SILVERADO AQUIFER.
Measured Depth to Water:	30 feet to 40 feet in the semi-perched Gaspur aquifer.
Hydraulic Connection:	The uppermost Gaspur/Gage and Lynwood aquifers are hydraulically connected. The underlying Silverado aquifer is confined.
Sole Source Aquifer:	No information about a sole source aquifer is available
Data Quality:	Information based on site-specific subsurface investigations is documented in the CERCLIS investigation report(s)

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site-specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: URBAN LAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class: Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 10 inches

Depth to Bedrock Max: > 10 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures:
loam
clay
silt loam
loamy sand
sandy loam
fine sand
clay loam
gravelly - sandy loam
coarse sand
gravelly - sand
sand

Surficial Soil Types:
loam
clay
silt loam
loamy sand
sandy loam
fine sand
clay loam
gravelly - sandy loam
coarse sand
gravelly - sand
sand

Shallow Soil Types:
fine sandy loam
gravelly - loam
sand
silty clay

Deeper Soil Types:
stratified
clay loam
silty clay loam
gravelly - sandy loam
coarse sand
sand
weathered bedrock
very fine sandy loam

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
E29	USGS40000138394	1/4 - 1/2 Mile NW
C37	USGS40000138383	1/4 - 1/2 Mile West
C38	USGS40000138384	1/4 - 1/2 Mile West
R92	USGS40000138311	1/2 - 1 Mile SE
Y121	USGS40000138409	1/2 - 1 Mile NE
Y122	USGS40000138408	1/2 - 1 Mile NE
Y123	USGS40000138410	1/2 - 1 Mile NE
Y124	USGS40000138412	1/2 - 1 Mile NE
Y125	USGS40000138411	1/2 - 1 Mile NE
AF177	USGS40000138380	1/2 - 1 Mile West
AL220	USGS40000138391	1/2 - 1 Mile WNW
292	USGS40000138415	1/2 - 1 Mile ENE
AY305	USGS40000138326	1/2 - 1 Mile WSW
BC327	USGS40000138258	1/2 - 1 Mile SSE
BC328	USGS40000138259	1/2 - 1 Mile SSE
BE340	USGS40000138322	1/2 - 1 Mile WSW
BA348	USGS40000138286	1/2 - 1 Mile SW
BA349	USGS40000138285	1/2 - 1 Mile SW
BA350	USGS40000138287	1/2 - 1 Mile SW
BA351	USGS40000138289	1/2 - 1 Mile SW
BA352	USGS40000138288	1/2 - 1 Mile SW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	CADWR0000008777	0 - 1/8 Mile West
A2	CADWR0000017601	0 - 1/8 Mile West
A3	CADWR0000029512	0 - 1/8 Mile West
A4	CADWR0000009868	0 - 1/8 Mile West
A5	CADWR0000007977	0 - 1/8 Mile West
B6	CAEDF0000079463	1/8 - 1/4 Mile SSW
B7	CADWR0000033373	1/8 - 1/4 Mile SSW
B8	CADWR0000016279	1/8 - 1/4 Mile SSW
B9	CADWR0000004022	1/8 - 1/4 Mile SSW
B10	CADWR0000031550	1/8 - 1/4 Mile SSW
B11	CADWR0000030734	1/8 - 1/4 Mile SSW
B12	CADWR0000014938	1/8 - 1/4 Mile SSW
B13	CADWR0000002215	1/8 - 1/4 Mile SSW
B14	CADWR0000008219	1/8 - 1/4 Mile SSW
B15	CADWR0000034084	1/8 - 1/4 Mile SSW
B16	CADWR0000002216	1/8 - 1/4 Mile SSW
B17	CADWR0000019896	1/8 - 1/4 Mile SSW
B18	CADWR0000000803	1/8 - 1/4 Mile SSW
B19	CADWR0000014702	1/8 - 1/4 Mile SSW
B20	CADWR0000001684	1/8 - 1/4 Mile SSW
B21	CADWR0000035438	1/8 - 1/4 Mile SSW
B22	CADWR0000022330	1/8 - 1/4 Mile SSW
B23	CAEDF0000072868	1/4 - 1/2 Mile SSW
C24	CADWR0000009057	1/4 - 1/2 Mile West
C25	CADWR0000036767	1/4 - 1/2 Mile West
D26	CAEDF0000032865	1/4 - 1/2 Mile SSW
B27	CAEDF0000048191	1/4 - 1/2 Mile SW
B28	CAEDF0000004333	1/4 - 1/2 Mile SSW
D30	CAEDF0000055934	1/4 - 1/2 Mile SSW
31	CAEDF0000094977	1/4 - 1/2 Mile WSW
D32	CAEDF0000006590	1/4 - 1/2 Mile SSW
D33	CAEDF0000060778	1/4 - 1/2 Mile SSW
D34	CAEDF0000043704	1/4 - 1/2 Mile SSW
C35	CAUSGSN00018149	1/4 - 1/2 Mile West
C36	CAUSGSN00016889	1/4 - 1/2 Mile West
E39	CADWR0000006463	1/4 - 1/2 Mile NW
E40	CADWR0000016323	1/4 - 1/2 Mile NW
E41	CADWR0000034221	1/4 - 1/2 Mile NW
E42	CADWR0000007957	1/4 - 1/2 Mile NW
F43	CADWR9000005659	1/4 - 1/2 Mile West
F44	CADWR9000005660	1/4 - 1/2 Mile West
F45	CAEDF0000133151	1/4 - 1/2 Mile West
G46	CAEDF0000081784	1/4 - 1/2 Mile NW
G47	CAEDF0000101892	1/4 - 1/2 Mile NW
G48	CAEDF0000049089	1/4 - 1/2 Mile WNW
H49	CADWR0000028181	1/4 - 1/2 Mile South
H50	CADWR0000000408	1/4 - 1/2 Mile South
H51	CADWR0000029276	1/4 - 1/2 Mile South
I52	CAEDF0000124226	1/2 - 1 Mile NW
J53	CAEDF0000075108	1/2 - 1 Mile WSW
J54	CAEDF0000092515	1/2 - 1 Mile WSW
G55	CAEDF0000104696	1/2 - 1 Mile WNW

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
K56	CADWR0000011552	1/2 - 1 Mile North
K57	CADWR0000028348	1/2 - 1 Mile North
K58	CADWR0000018697	1/2 - 1 Mile North
K59	CADWR0000024631	1/2 - 1 Mile North
G60	CAEDF0000085831	1/2 - 1 Mile WNW
L61	CADWR0000011151	1/2 - 1 Mile West
I62	CAEDF0000049624	1/2 - 1 Mile NW
M63	CAEDF0000081447	1/2 - 1 Mile SSW
I64	CAEDF0000104534	1/2 - 1 Mile NW
L65	CAEDF0000060640	1/2 - 1 Mile West
I66	CAEDF0000139627	1/2 - 1 Mile NW
N67	CAEDF0000038714	1/2 - 1 Mile WNW
O68	CAEDF0000131919	1/2 - 1 Mile WSW
O69	CAEDF0000123708	1/2 - 1 Mile WSW
N70	CAEDF0000069210	1/2 - 1 Mile WNW
O71	CAEDF0000056018	1/2 - 1 Mile WSW
G72	CAEDF0000074895	1/2 - 1 Mile NW
P73	CAEDF0000127145	1/2 - 1 Mile SW
N74	CAEDF0000005278	1/2 - 1 Mile WNW
N75	CAEDF0000036581	1/2 - 1 Mile NW
Q76	CADWR0000000651	1/2 - 1 Mile NNE
Q77	CADWR0000008340	1/2 - 1 Mile NNE
P78	CAEDF0000093884	1/2 - 1 Mile SW
N79	CAEDF0000071443	1/2 - 1 Mile WNW
P80	CAEDF0000041355	1/2 - 1 Mile SW
P81	CAEDF0000087755	1/2 - 1 Mile SW
P82	CAEDF0000099988	1/2 - 1 Mile SW
M83	CADWR0000017212	1/2 - 1 Mile SSW
P84	CAEDF0000112324	1/2 - 1 Mile SW
P85	CAEDF0000009003	1/2 - 1 Mile SW
P86	CAEDF0000101872	1/2 - 1 Mile SW
87	5351	1/2 - 1 Mile NW
R88	CADWR9000005612	1/2 - 1 Mile SE
S89	CAEDF0000115963	1/2 - 1 Mile SSW
S90	CAEDF0000090402	1/2 - 1 Mile SSW
91	CADWR0000012420	1/2 - 1 Mile NNW
R93	CAUSGSN00016769	1/2 - 1 Mile SE
R94	CADWR0000000512	1/2 - 1 Mile SE
S95	CAEDF0000092052	1/2 - 1 Mile SSW
96	CAEDF0000097063	1/2 - 1 Mile WSW
S97	CAEDF0000005562	1/2 - 1 Mile SSW
S98	CAEDF0000062522	1/2 - 1 Mile SSW
T99	CAEDF0000125375	1/2 - 1 Mile SSW
T100	CAEDF0000108759	1/2 - 1 Mile SSW
T101	CAEDF0000071166	1/2 - 1 Mile SSW
U102	CADWR0000016012	1/2 - 1 Mile SE
U103	CADWR0000024662	1/2 - 1 Mile SE
V104	CAEDF0000142782	1/2 - 1 Mile SSW
V105	CAEDF0000128902	1/2 - 1 Mile SSW
V106	CAEDF0000068980	1/2 - 1 Mile SSW
T107	CAEDF0000070742	1/2 - 1 Mile SSW
V108	CAEDF0000016726	1/2 - 1 Mile SSW

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
109	CAEDF0000074948	1/2 - 1 Mile NNW
T110	CAEDF0000003324	1/2 - 1 Mile SSW
111	CAEDF0000096219	1/2 - 1 Mile West
112	CAEDF0000067882	1/2 - 1 Mile WSW
W113	CAEDF0000070607	1/2 - 1 Mile SSE
W114	CAEDF0000094969	1/2 - 1 Mile SSE
V115	CAEDF0000055058	1/2 - 1 Mile SSW
X116	CAEDF0000134336	1/2 - 1 Mile SW
X117	CAEDF0000099560	1/2 - 1 Mile SW
T118	CAEDF0000036933	1/2 - 1 Mile SSW
X119	CAEDF0000094290	1/2 - 1 Mile SW
W120	CAEDF0000054360	1/2 - 1 Mile SSE
126	CADWR0000005792	1/2 - 1 Mile NW
Y127	CAUSGSN00002267	1/2 - 1 Mile NE
Y128	CAUSGSN00001750	1/2 - 1 Mile NE
Y129	CAUSGSN00002330	1/2 - 1 Mile NE
Y130	CAUSGSN00018132	1/2 - 1 Mile NE
Y131	CAUSGSN00005128	1/2 - 1 Mile NE
W132	CAEDF0000141214	1/2 - 1 Mile SSE
W133	CAEDF0000120007	1/2 - 1 Mile SSE
W134	CAEDF0000060749	1/2 - 1 Mile SSE
W135	CAEDF0000036830	1/2 - 1 Mile SSE
Z136	CAEDF0000064062	1/2 - 1 Mile SSW
Z137	CAEDF0000002827	1/2 - 1 Mile SSW
AA138	CAEDF0000090983	1/2 - 1 Mile SE
V139	CAEDF0000018435	1/2 - 1 Mile SSW
AA140	CAEDF0000007820	1/2 - 1 Mile ESE
AB141	CAEDF0000142830	1/2 - 1 Mile South
AB142	CAEDF0000122561	1/2 - 1 Mile South
AB143	CAEDF0000102940	1/2 - 1 Mile South
AB144	CAEDF0000014379	1/2 - 1 Mile South
Z145	CAEDF0000060170	1/2 - 1 Mile SSW
Z146	CAEDF0000141681	1/2 - 1 Mile SSW
AC147	CAEDF0000126718	1/2 - 1 Mile WSW
AD148	CAEDF0000072933	1/2 - 1 Mile SW
W149	CAEDF0000020340	1/2 - 1 Mile SSE
W150	CAEDF0000073026	1/2 - 1 Mile SSE
W151	CAEDF0000127130	1/2 - 1 Mile SSE
X152	CAEDF0000000077	1/2 - 1 Mile SW
X153	CAEDF0000098157	1/2 - 1 Mile SW
W154	CAEDF0000114278	1/2 - 1 Mile SSE
W155	CAEDF0000109635	1/2 - 1 Mile SSE
AD156	CAEDF0000134527	1/2 - 1 Mile SW
AD157	CAEDF0000010202	1/2 - 1 Mile SW
W158	CAEDF0000129415	1/2 - 1 Mile SSE
AA159	CAEDF0000033987	1/2 - 1 Mile ESE
AD160	CAEDF0000004440	1/2 - 1 Mile SW
AA161	CAEDF0000083202	1/2 - 1 Mile SE
AD162	CAEDF0000042730	1/2 - 1 Mile SW
AA163	CAEDF0000118311	1/2 - 1 Mile ESE
W164	CAEDF0000021982	1/2 - 1 Mile SSE
AA165	CAEDF0000119504	1/2 - 1 Mile ESE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
AE166	CADWR0000024666	1/2 - 1 Mile North
AE167	CADWR0000021186	1/2 - 1 Mile North
AA168	CAEDF0000065146	1/2 - 1 Mile SE
AA169	CAEDF0000046509	1/2 - 1 Mile SE
W170	CAEDF0000140346	1/2 - 1 Mile SSE
W171	CAEDF0000128168	1/2 - 1 Mile SSE
AC172	CAEDF0000003565	1/2 - 1 Mile WSW
AA173	CAEDF0000053270	1/2 - 1 Mile SE
AA174	CAEDF0000000788	1/2 - 1 Mile SE
175	CAEDF0000067502	1/2 - 1 Mile WSW
W176	CAEDF0000072713	1/2 - 1 Mile SSE
W178	CADWR0000031740	1/2 - 1 Mile SSE
W179	CAEDF0000105301	1/2 - 1 Mile SSE
W180	CAEDF0000110085	1/2 - 1 Mile SSE
W181	CAEDF0000065217	1/2 - 1 Mile SSE
W182	CAEDF0000140117	1/2 - 1 Mile SSE
AG183	CAEDF0000141866	1/2 - 1 Mile SSE
W184	CAEDF0000043945	1/2 - 1 Mile SSE
W185	CAEDF0000134680	1/2 - 1 Mile SSE
W186	CAEDF0000117537	1/2 - 1 Mile SSE
AA187	CAEDF0000125088	1/2 - 1 Mile ESE
AA188	CAEDF0000137922	1/2 - 1 Mile ESE
W189	CAEDF0000042485	1/2 - 1 Mile SSE
W190	CAEDF0000046833	1/2 - 1 Mile SSE
W191	CAEDF0000007175	1/2 - 1 Mile SSE
W192	CAEDF0000005801	1/2 - 1 Mile SSE
193	CAEDF0000032153	1/2 - 1 Mile SW
AA194	CAEDF0000020346	1/2 - 1 Mile SE
AA195	CAEDF0000053377	1/2 - 1 Mile SE
AH196	CAEDF0000011670	1/2 - 1 Mile SW
AG197	CAEDF0000063232	1/2 - 1 Mile SSE
AG198	CAEDF0000077568	1/2 - 1 Mile SSE
199	CAEDF0000096912	1/2 - 1 Mile SSW
AG200	CAEDF0000076671	1/2 - 1 Mile SSE
AI201	CAEDF0000097092	1/2 - 1 Mile SSE
AI202	CAEDF0000014007	1/2 - 1 Mile SSE
AG203	CAEDF0000015867	1/2 - 1 Mile SSE
AG204	CAEDF0000047655	1/2 - 1 Mile SSE
AA205	CAEDF0000007653	1/2 - 1 Mile SE
AJ206	CAEDF0000136314	1/2 - 1 Mile NW
AK207	CAEDF0000057081	1/2 - 1 Mile ESE
AK208	CAEDF0000017497	1/2 - 1 Mile ESE
AG209	CAEDF0000074729	1/2 - 1 Mile SSE
AG210	CAEDF0000022076	1/2 - 1 Mile SSE
211	CAEDF0000113524	1/2 - 1 Mile NNW
AF212	CAEDF0000078998	1/2 - 1 Mile West
AK213	CAEDF0000001818	1/2 - 1 Mile ESE
AL214	CAUSGSN00008899	1/2 - 1 Mile WNW
AD215	CAEDF0000080242	1/2 - 1 Mile SW
AK216	CAEDF0000137257	1/2 - 1 Mile ESE
AG217	CAEDF0000014486	1/2 - 1 Mile SSE
AJ218	CAEDF0000036969	1/2 - 1 Mile NW

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
AJ219	CAEDF0000125309	1/2 - 1 Mile NW
AL221	CAEDF0000009531	1/2 - 1 Mile West
AK222	CAEDF0000042841	1/2 - 1 Mile ESE
AF223	CADWR0000007963	1/2 - 1 Mile West
AF224	CADWR0000021911	1/2 - 1 Mile West
AF225	CADWR0000008381	1/2 - 1 Mile West
AF226	CADWR0000010190	1/2 - 1 Mile West
AF227	CADWR0000010358	1/2 - 1 Mile West
AF228	CADWR0000028203	1/2 - 1 Mile West
AF229	CADWR0000022323	1/2 - 1 Mile West
AG230	CAEDF0000060662	1/2 - 1 Mile SSE
AI231	CAEDF0000073837	1/2 - 1 Mile SSE
AM232	CAEDF0000036727	1/2 - 1 Mile NNW
AM233	CAEDF0000065507	1/2 - 1 Mile NNW
AM234	CAEDF0000102537	1/2 - 1 Mile NNW
AG235	CAEDF0000035282	1/2 - 1 Mile SSE
AG236	CAEDF0000090352	1/2 - 1 Mile SSE
AK237	CAEDF0000121346	1/2 - 1 Mile SE
AK238	CAEDF0000112323	1/2 - 1 Mile ESE
AH239	CAEDF0000032593	1/2 - 1 Mile SW
AK240	CAEDF0000071949	1/2 - 1 Mile ESE
AI241	CAEDF0000018725	1/2 - 1 Mile SSE
AK242	CAEDF0000072633	1/2 - 1 Mile SE
AK243	CAEDF0000111562	1/2 - 1 Mile SE
AH244	CAEDF0000038350	1/2 - 1 Mile SW
AH245	CAEDF0000077730	1/2 - 1 Mile SW
AH246	CAEDF0000079614	1/2 - 1 Mile SW
AK247	CAEDF0000065091	1/2 - 1 Mile SE
AG248	CAEDF0000087870	1/2 - 1 Mile SSE
AK249	CAEDF0000063022	1/2 - 1 Mile SE
AK250	CAEDF0000091123	1/2 - 1 Mile SE
AK251	CAEDF0000013454	1/2 - 1 Mile SE
AK252	CAEDF0000036718	1/2 - 1 Mile SE
AK253	CAEDF0000015659	1/2 - 1 Mile ESE
AK254	CAEDF0000044603	1/2 - 1 Mile ESE
AI255	CAEDF0000086059	1/2 - 1 Mile SSE
AK256	CAEDF0000072489	1/2 - 1 Mile ESE
AK257	CAEDF0000125155	1/2 - 1 Mile SE
AK258	CAEDF0000067084	1/2 - 1 Mile SE
AK259	CAEDF0000043237	1/2 - 1 Mile SE
AH260	CAEDF0000045436	1/2 - 1 Mile SSW
AI261	CAEDF0000126801	1/2 - 1 Mile SSE
AJ262	CAEDF0000141953	1/2 - 1 Mile NNW
AM263	CAEDF0000033449	1/2 - 1 Mile NNW
AH264	CAEDF0000125689	1/2 - 1 Mile SSW
AJ265	CAEDF0000012090	1/2 - 1 Mile NNW
266	CADWR0000012488	1/2 - 1 Mile WSW
267	CAEDF0000124155	1/2 - 1 Mile WSW
AN268	CADWR0000013670	1/2 - 1 Mile WNW
AJ269	CAEDF0000128250	1/2 - 1 Mile NW
AG270	CAEDF0000088220	1/2 - 1 Mile SSE
AM271	CAEDF0000039147	1/2 - 1 Mile NNW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
AO272	CAEDF0000108503	1/2 - 1 Mile SW
AO273	CAEDF0000089562	1/2 - 1 Mile SW
AO274	CAEDF0000032730	1/2 - 1 Mile SW
AP275	CAEDF0000029923	1/2 - 1 Mile WSW
AQ276	CAEDF0000016331	1/2 - 1 Mile NNW
AR277	CAEDF0000056362	1/2 - 1 Mile NW
AS278	CAEDF0000046612	1/2 - 1 Mile NW
AR279	CAEDF0000031834	1/2 - 1 Mile NW
AR280	CAEDF0000135624	1/2 - 1 Mile NW
AT281	CAEDF0000143352	1/2 - 1 Mile ESE
AO282	CAEDF0000051777	1/2 - 1 Mile SW
AP283	CAEDF0000049919	1/2 - 1 Mile WSW
AU284	CAEDF0000076703	1/2 - 1 Mile WNW
AV285	CAEDF0000047117	1/2 - 1 Mile SW
AV286	CAEDF0000016912	1/2 - 1 Mile SW
AO287	CAEDF0000141838	1/2 - 1 Mile SW
AO288	CAEDF0000096791	1/2 - 1 Mile SW
AO289	CAEDF0000038277	1/2 - 1 Mile SW
AW290	CADWR0000031097	1/2 - 1 Mile SW
AO291	CAEDF0000048482	1/2 - 1 Mile SW
AT293	CAEDF0000138116	1/2 - 1 Mile ESE
AN294	CAEDF0000120577	1/2 - 1 Mile WNW
AN295	CAEDF0000064669	1/2 - 1 Mile WNW
AT296	CAEDF0000096818	1/2 - 1 Mile ESE
AT297	CAEDF0000068069	1/2 - 1 Mile ESE
AX298	CAEDF0000091756	1/2 - 1 Mile ESE
AT299	CAEDF0000080980	1/2 - 1 Mile ESE
AY300	CAEDF0000099352	1/2 - 1 Mile WSW
AT301	CAEDF0000021671	1/2 - 1 Mile ESE
AT302	CAEDF0000113452	1/2 - 1 Mile ESE
AZ303	CAEDF0000004797	1/2 - 1 Mile West
AT304	CAEDF0000089686	1/2 - 1 Mile ESE
AT306	CAEDF0000062426	1/2 - 1 Mile ESE
AZ307	CAEDF0000079595	1/2 - 1 Mile West
AX308	CAEDF0000021748	1/2 - 1 Mile ESE
AP309	CAEDF0000125015	1/2 - 1 Mile SW
AQ310	CAEDF0000016731	1/2 - 1 Mile NNW
AT311	CAEDF0000056386	1/2 - 1 Mile ESE
AX312	CAEDF0000043591	1/2 - 1 Mile ESE
AZ313	CAEDF0000069685	1/2 - 1 Mile West
AS314	CAEDF0000076775	1/2 - 1 Mile NW
AX315	CAEDF0000111091	1/2 - 1 Mile ESE
316	CADWR0000023288	1/2 - 1 Mile WSW
317	CAEDF0000091106	1/2 - 1 Mile West
AX318	CAEDF0000134978	1/2 - 1 Mile ESE
AW319	CAEDF0000034531	1/2 - 1 Mile SW
AT320	CAEDF0000106984	1/2 - 1 Mile ESE
AU321	CAEDF0000112775	1/2 - 1 Mile WNW
AX322	CAEDF0000082531	1/2 - 1 Mile ESE
AX323	CAEDF0000088719	1/2 - 1 Mile ESE
AX324	CAEDF0000079944	1/2 - 1 Mile SE
BA325	CAEDF0000136661	1/2 - 1 Mile SW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

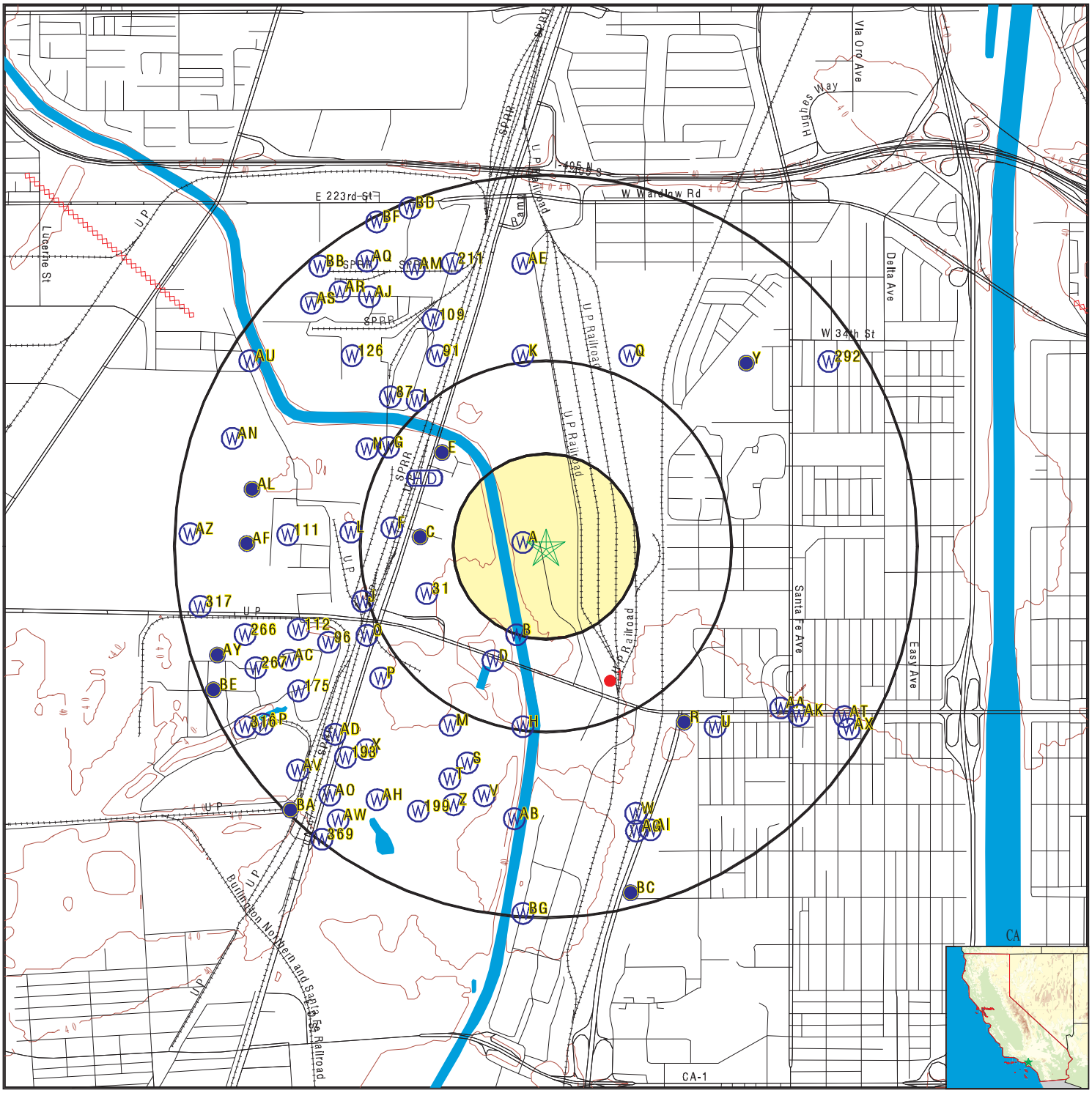
MAP ID	WELL ID	LOCATION FROM TP
BB326	CAEDF0000055229	1/2 - 1 Mile NW
AU329	CADWR0000022158	1/2 - 1 Mile WNW
AU330	CADWR0000037690	1/2 - 1 Mile WNW
BD331	CAEDF0000073174	1/2 - 1 Mile NNW
BC332	CADWR9000005577	1/2 - 1 Mile SSE
BC333	CADWR9000005578	1/2 - 1 Mile SSE
AX334	CAEDF0000100655	1/2 - 1 Mile ESE
BC335	CAUSGSN00001673	1/2 - 1 Mile SSE
BC336	CAUSGSN00005381	1/2 - 1 Mile SSE
AX337	CAEDF0000052473	1/2 - 1 Mile ESE
AX338	CAEDF0000140577	1/2 - 1 Mile ESE
BE339	CAEDF0000143396	1/2 - 1 Mile WSW
BF341	CAEDF0000058670	1/2 - 1 Mile NNW
BF342	CAEDF0000131756	1/2 - 1 Mile NNW
BF343	CAEDF0000083675	1/2 - 1 Mile NNW
BF344	CAEDF0000047964	1/2 - 1 Mile NNW
BB345	CAEDF0000121212	1/2 - 1 Mile NW
AX346	CAEDF0000098713	1/2 - 1 Mile ESE
BF347	CAEDF0000046569	1/2 - 1 Mile NNW
AZ353	CAEDF0000077816	1/2 - 1 Mile West
BG354	CADWR0000003369	1/2 - 1 Mile South
BG355	CADWR0000004402	1/2 - 1 Mile South
BD356	CAEDF0000036339	1/2 - 1 Mile NNW
BD357	CAEDF0000088419	1/2 - 1 Mile NNW
BD358	CAEDF0000109222	1/2 - 1 Mile NNW
BA359	CAUSGSN00013169	1/2 - 1 Mile SW
BA360	CAEDF0000143845	1/2 - 1 Mile SW
BA361	CAUSGSN00002295	1/2 - 1 Mile SW
BA362	CAUSGSN00005908	1/2 - 1 Mile SW
BA363	CAEDF0000033054	1/2 - 1 Mile SW
BA364	CAEDF0000021823	1/2 - 1 Mile SW
BA365	CAEDF0000128700	1/2 - 1 Mile SW
BA366	CAEDF0000066457	1/2 - 1 Mile SW
BA367	CAUSGSN00009551	1/2 - 1 Mile SW
BA368	CAUSGSN00010233	1/2 - 1 Mile SW
369	CAEDF0000125394	1/2 - 1 Mile SW
BF370	CAEDF0000122619	1/2 - 1 Mile NNW
AZ371	CAEDF0000034510	1/2 - 1 Mile West
BF372	CAEDF0000100092	1/2 - 1 Mile NNW

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	CAOG15000012628	1/4 - 1/2 Mile SSE

PHYSICAL SETTING SOURCE MAP - 7294079.2s



SITE NAME:	Avocet Gen-Tie	CLIENT:	NV5
ADDRESS:	23320 South Alameda Street Long Beach CA 90810	CONTACT:	Eric Fraske
		INQUIRY #:	7294079.2s
LAT/LONG:	33.810846 / 118.226926	DATE:	March 30, 2023 8:38 am

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

A1
West
0 - 1/8 Mile
Higher | **CA WELLS** | **CADWR0000008777**

Well ID:	04S13W22G005S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W22G005S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W22G005S&store_num=		
GeoTracker Data:	Not Reported		

A2
West
0 - 1/8 Mile
Higher | **CA WELLS** | **CADWR0000017601**

Well ID:	04S13W22G001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W22G001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W22G001S&store_num=		
GeoTracker Data:	Not Reported		

A3
West
0 - 1/8 Mile
Higher | **CA WELLS** | **CADWR0000029512**

Well ID:	04S13W22G003S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W22G003S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W22G003S&store_num=		
GeoTracker Data:	Not Reported		

A4
West
0 - 1/8 Mile
Higher | **CA WELLS** | **CADWR0000009868**

Well ID:	04S13W22G002S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W22G002S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W22G002S&store_num=		
GeoTracker Data:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

A5
West
0 - 1/8 Mile
Higher | **CA WELLS** | **CADWR0000007977**

Well ID:	04S13W22G004S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W22G004S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W22G004S&store_num=		
GeoTracker Data:	Not Reported		

B6
SSW
1/8 - 1/4 Mile
Lower | **CA WELLS** | **CAEDF0000079463**

Well ID:	SL372412434-ACT-17-D	Well Type:	MONITORING
Source:	EDF	Other Name:	ACT-17-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=ACT-17-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=ACT-17-D		

B7
SSW
1/8 - 1/4 Mile
Lower | **CA WELLS** | **CADWR0000033373**

Well ID:	04S13W22K022S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W22K022S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W22K022S&store_num=		
GeoTracker Data:	Not Reported		

B8
SSW
1/8 - 1/4 Mile
Lower | **CA WELLS** | **CADWR0000016279**

Well ID:	04S13W22K003S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W22K003S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W22K003S&store_num=		
GeoTracker Data:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

B9
SSW
1/8 - 1/4 Mile
Lower

CA WELLS **CADWR0000004022**

Well ID:	04S13W22K010S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W22K010S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W22K010S&store_num=		
GeoTracker Data:	Not Reported		

B10
SSW
1/8 - 1/4 Mile
Lower

CA WELLS **CADWR0000031550**

Well ID:	04S13W22K011S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W22K011S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W22K011S&store_num=		
GeoTracker Data:	Not Reported		

B11
SSW
1/8 - 1/4 Mile
Lower

CA WELLS **CADWR0000030734**

Well ID:	04S13W22K014S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W22K014S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W22K014S&store_num=		
GeoTracker Data:	Not Reported		

B12
SSW
1/8 - 1/4 Mile
Lower

CA WELLS **CADWR0000014938**

Well ID:	04S13W22K007S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W22K007S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W22K007S&store_num=		
GeoTracker Data:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

B13
SSW
1/8 - 1/4 Mile
Lower

CA WELLS **CADWR0000002215**

Well ID:	04S13W22K017S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W22K017S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W22K017S&store_num=		
GeoTracker Data:	Not Reported		

B14
SSW
1/8 - 1/4 Mile
Lower

CA WELLS **CADWR0000008219**

Well ID:	04S13W22K020S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W22K020S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W22K020S&store_num=		
GeoTracker Data:	Not Reported		

B15
SSW
1/8 - 1/4 Mile
Lower

CA WELLS **CADWR0000034084**

Well ID:	04S13W22K005S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W22K005S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W22K005S&store_num=		
GeoTracker Data:	Not Reported		

B16
SSW
1/8 - 1/4 Mile
Lower

CA WELLS **CADWR0000002216**

Well ID:	04S13W22K015S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W22K015S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W22K015S&store_num=		
GeoTracker Data:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

B17
SSW
1/8 - 1/4 Mile
Lower

CA WELLS **CADWR0000019896**

Well ID:	04S13W22K009S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W22K009S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W22K009S&store_num=		
GeoTracker Data:	Not Reported		

B18
SSW
1/8 - 1/4 Mile
Lower

CA WELLS **CADWR0000000803**

Well ID:	04S13W22K023S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W22K023S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W22K023S&store_num=		
GeoTracker Data:	Not Reported		

B19
SSW
1/8 - 1/4 Mile
Lower

CA WELLS **CADWR0000014702**

Well ID:	04S13W22K027S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W22K027S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W22K027S&store_num=		
GeoTracker Data:	Not Reported		

B20
SSW
1/8 - 1/4 Mile
Lower

CA WELLS **CADWR0000001684**

Well ID:	04S13W22K002S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W22K002S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W22K002S&store_num=		
GeoTracker Data:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

B21
SSW
1/8 - 1/4 Mile
Lower

CA WELLS **CADWR0000035438**

Well ID:	04S13W22K019S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W22K019S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W22K019S&store_num=		
GeoTracker Data:	Not Reported		

B22
SSW
1/8 - 1/4 Mile
Lower

CA WELLS **CADWR0000022330**

Well ID:	04S13W22K001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W22K001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W22K001S&store_num=		
GeoTracker Data:	Not Reported		

B23
SSW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000072868**

Well ID:	SL372412434-ACT-03-D	Well Type:	MONITORING
Source:	EDF	Other Name:	ACT-03-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=ACT-03-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=ACT-03-D		

C24
West
1/4 - 1/2 Mile
Lower

CA WELLS **CADWR0000009057**

Well ID:	04S13W22F002S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W22F002S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W22F002S&store_num=		
GeoTracker Data:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

C25
West
1/4 - 1/2 Mile
Lower

CA WELLS **CADWR0000036767**

Well ID:	04S13W22F001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W22F001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W22F001S&store_num=		
GeoTracker Data:	Not Reported		

D26
SSW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000032865**

Well ID:	SL372412434-ACT-19-D	Well Type:	MONITORING
Source:	EDF	Other Name:	ACT-19-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=ACT-19-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=ACT-19-D		

B27
SW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000048191**

Well ID:	SL372412434-ACT-13-D	Well Type:	MONITORING
Source:	EDF	Other Name:	ACT-13-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=ACT-13-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=ACT-13-D		

B28
SSW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000004333**

Well ID:	SL372412434-ACT-07-D	Well Type:	MONITORING
Source:	EDF	Other Name:	ACT-07-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=ACT-07-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=ACT-07-D		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

E29
NW
1/4 - 1/2 Mile
Higher

FED USGS **USGS40000138394**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	004S013W22F002S	Type:	Well
Description:	Not Reported	HUC:	18070104
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	194811	Well Depth:	572
Well Depth Units:	ft	Well Hole Depth:	700
Well Hole Depth Units:	ft		

D30
SSW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000055934**

Well ID:	T10000007280-TMW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	TMW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000007280&assigned_name=TMW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000007280&assigned_name=TMW-3		

31
WSW
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000094977**

Well ID:	SL372412434-ASE-032-D	Well Type:	MONITORING
Source:	EDF	Other Name:	ASE-032-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=ASE-032-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=ASE-032-D		

D32
SSW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000006590**

Well ID:	T10000007280-TMW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	TMW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000007280&assigned_name=TMW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000007280&assigned_name=TMW-1		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

D33
SSW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000060778**

Well ID:	SLT43129127-MW-22R	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-22R
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SLT43129127&assigned_name=MW-22R&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SLT43129127&assigned_name=MW-22R		

D34
SSW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000043704**

Well ID:	T10000007280-TMW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	TMW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000007280&assigned_name=TMW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000007280&assigned_name=TMW-2		

C35
West
1/4 - 1/2 Mile
Higher

CA WELLS **CAUSGSN00018149**

Well ID:	USGS-334841118140002	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-334841118140002	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334841118140002&store_num=		
GeoTracker Data:	Not Reported		

C36
West
1/4 - 1/2 Mile
Higher

CA WELLS **CAUSGSN00016889**

Well ID:	USGS-334841118140001	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-334841118140001	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334841118140001&store_num=		
GeoTracker Data:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

C37
West
1/4 - 1/2 Mile
Higher

FED USGS **USGS40000138383**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	004S013W22F005S	Type:	Well
Description:	Not Reported	HUC:	Not Reported
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19690513	Well Depth:	290
Well Depth Units:	ft	Well Hole Depth:	353
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	1	Level reading date:	1999-03-09
Feet below surface:	40.41	Feet to sea level:	Not Reported
Note:	Not Reported		

C38
West
1/4 - 1/2 Mile
Higher

FED USGS **USGS40000138384**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	004S013W22F006S	Type:	Well
Description:	Not Reported	HUC:	Not Reported
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19690513	Well Depth:	160
Well Depth Units:	ft	Well Hole Depth:	353
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	1	Level reading date:	1999-03-09
Feet below surface:	37.68	Feet to sea level:	Not Reported
Note:	Not Reported		

E39
NW
1/4 - 1/2 Mile
Higher

CA WELLS **CADWR0000006463**

Well ID:	04S13W22C001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W22C001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W22C001S&store_num=		
GeoTracker Data:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

E40
NW
1/4 - 1/2 Mile
Higher

CA WELLS **CADWR0000016323**

Well ID:	04S13W22C007S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W22C007S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W22C007S&store_num=		
GeoTracker Data:	Not Reported		

E41
NW
1/4 - 1/2 Mile
Higher

CA WELLS **CADWR0000034221**

Well ID:	04S13W22C005S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W22C005S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W22C005S&store_num=		
GeoTracker Data:	Not Reported		

E42
NW
1/4 - 1/2 Mile
Higher

CA WELLS **CADWR0000007957**

Well ID:	04S13W22C003S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W22C003S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W22C003S&store_num=		
GeoTracker Data:	Not Reported		

F43
West
1/4 - 1/2 Mile
Higher

CA WELLS **CADWR9000005659**

State Well #:	04S13W22F005S	Station ID:	29324
Well Name:	Not Reported	Basin Name:	West Coast
Well Use:	Unknown	Well Type:	Unknown
Well Depth:	0	Well Completion Rpt #:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
F44 **West** **1/4 - 1/2 Mile** **Higher**	**CA WELLS**	**CADWR9000005660**

State Well #:	04S13W22F006S	Station ID:	5456
Well Name:	Not Reported	Basin Name:	West Coast
Well Use:	Unknown	Well Type:	Unknown
Well Depth:	0	Well Completion Rpt #:	Not Reported

	Database	EDR ID Number
F45 **West** **1/4 - 1/2 Mile** **Lower**	**CA WELLS**	**CAEDF0000133151**

Well ID:	SL372412434-AMR-WS-09	Well Type:	MONITORING
Source:	EDF	Other Name:	AMR-WS-09
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=AMR-WS-09&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=AMR-WS-09		

	Database	EDR ID Number
G46 **NW** **1/4 - 1/2 Mile** **Higher**	**CA WELLS**	**CAEDF0000081784**

Well ID:	SL372412434-AMR-263B-G	Well Type:	MONITORING
Source:	EDF	Other Name:	AMR-263B-G
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=AMR-263B-G&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=AMR-263B-G		

	Database	EDR ID Number
G47 **NW** **1/4 - 1/2 Mile** **Higher**	**CA WELLS**	**CAEDF0000101892**

Well ID:	SL372412434-AMR-263A-G	Well Type:	MONITORING
Source:	EDF	Other Name:	AMR-263A-G
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=AMR-263A-G&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=AMR-263A-G		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

G48
WNW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000049089**

Well ID:	SL372412434-AMR-522-D	Well Type:	MONITORING
Source:	EDF	Other Name:	AMR-522-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=AMR-522-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=AMR-522-D		

H49
South
1/4 - 1/2 Mile
Higher

CA WELLS **CADWR0000028181**

Well ID:	04S13W22Q005S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W22Q005S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W22Q005S&store_num=		
GeoTracker Data:	Not Reported		

H50
South
1/4 - 1/2 Mile
Higher

CA WELLS **CADWR0000000408**

Well ID:	04S13W22Q003S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W22Q003S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W22Q003S&store_num=		
GeoTracker Data:	Not Reported		

H51
South
1/4 - 1/2 Mile
Higher

CA WELLS **CADWR0000029276**

Well ID:	04S13W22Q004S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W22Q004S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W22Q004S&store_num=		
GeoTracker Data:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

I52
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000124226**

Well ID:	T0603721950-MW3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603721950&assigned_name=MW3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603721950&assigned_name=MW3		

J53
WSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000075108**

Well ID:	SL372412434-AMR-261A-G	Well Type:	MONITORING
Source:	EDF	Other Name:	AMR-261A-G
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=AMR-261A-G&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=AMR-261A-G		

J54
WSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000092515**

Well ID:	SL372412434-AMR-261B-G	Well Type:	MONITORING
Source:	EDF	Other Name:	AMR-261B-G
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=AMR-261B-G&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=AMR-261B-G		

G55
WNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000104696**

Well ID:	SL372412434-AMR-603-D	Well Type:	MONITORING
Source:	EDF	Other Name:	AMR-603-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=AMR-603-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=AMR-603-D		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

K56
North
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000011552**

Well ID:	04S13W15Q001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W15Q001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W15Q001S&store_num=		
GeoTracker Data:	Not Reported		

K57
North
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000028348**

Well ID:	04S13W15Q005S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W15Q005S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W15Q005S&store_num=		
GeoTracker Data:	Not Reported		

K58
North
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000018697**

Well ID:	04S13W15Q006S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W15Q006S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W15Q006S&store_num=		
GeoTracker Data:	Not Reported		

K59
North
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000024631**

Well ID:	04S13W15Q002S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W15Q002S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W15Q002S&store_num=		
GeoTracker Data:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

G60
WNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000085831**

Well ID:	SL372412434-AMR-613-D	Well Type:	MONITORING
Source:	EDF	Other Name:	AMR-613-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=AMR-613-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=AMR-613-D		

L61
West
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000011151**

Well ID:	04S13W22E001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W22E001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W22E001S&store_num=		
GeoTracker Data:	Not Reported		

I62
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000049624**

Well ID:	T0603721950-MW4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603721950&assigned_name=MW4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603721950&assigned_name=MW4		

M63
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000081447**

Well ID:	SLT43129127-MW-69	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-69
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SLT43129127&assigned_name=MW-69&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SLT43129127&assigned_name=MW-69		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

I64
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000104534**

Well ID:	T0603721950-MW1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603721950&assigned_name=MW1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603721950&assigned_name=MW1		

L65
West
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000060640**

Well ID:	SL372412434-AMR-060-D	Well Type:	MONITORING
Source:	EDF	Other Name:	AMR-060-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=AMR-060-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=AMR-060-D		

I66
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000139627**

Well ID:	T0603721950-MW2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603721950&assigned_name=MW2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603721950&assigned_name=MW2		

N67
WNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000038714**

Well ID:	SL372412434-AMR-604-D	Well Type:	MONITORING
Source:	EDF	Other Name:	AMR-604-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=AMR-604-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=AMR-604-D		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

O68
WSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000131919**

Well ID:	SL372402433-WD-6L	Well Type:	MONITORING
Source:	EDF	Other Name:	WD-6L
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372402433&assigned_name=WD-6L&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372402433&assigned_name=WD-6L		

O69
WSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000123708**

Well ID:	SL372402433-WD-6M	Well Type:	MONITORING
Source:	EDF	Other Name:	WD-6M
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372402433&assigned_name=WD-6M&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372402433&assigned_name=WD-6M		

N70
WNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000069210**

Well ID:	SL372412434-AMR-553-D	Well Type:	MONITORING
Source:	EDF	Other Name:	AMR-553-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=AMR-553-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=AMR-553-D		

O71
WSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000056018**

Well ID:	SL372402433-WD-6U	Well Type:	MONITORING
Source:	EDF	Other Name:	WD-6U
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372402433&assigned_name=WD-6U&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372402433&assigned_name=WD-6U		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

G72
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000074895**

Well ID:	SL372412434-AMR-602-D	Well Type:	MONITORING
Source:	EDF	Other Name:	AMR-602-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=AMR-602-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=AMR-602-D		

P73
SW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000127145**

Well ID:	SLT43129127-CRGG-6UG	Well Type:	MONITORING
Source:	EDF	Other Name:	CRGG-6UG
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SLT43129127&assigned_name=CRGG-6UG&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SLT43129127&assigned_name=CRGG-6UG		

N74
WNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000005278**

Well ID:	SL372412434-AMR-605-D	Well Type:	MONITORING
Source:	EDF	Other Name:	AMR-605-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=AMR-605-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=AMR-605-D		

N75
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000036581**

Well ID:	SL372412434-AMR-601-D	Well Type:	MONITORING
Source:	EDF	Other Name:	AMR-601-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=AMR-601-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=AMR-601-D		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

Q76
NNE
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000000651**

Well ID:	04S13W15R003S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W15R003S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W15R003S&store_num=		
GeoTracker Data:	Not Reported		

Q77
NNE
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000008340**

Well ID:	04S13W15R002S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W15R002S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W15R002S&store_num=		
GeoTracker Data:	Not Reported		

P78
SW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000093884**

Well ID:	SLT43129127-CRGG-6A	Well Type:	MONITORING
Source:	EDF	Other Name:	CRGG-6A
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SLT43129127&assigned_name=CRGG-6A&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SLT43129127&assigned_name=CRGG-6A		

N79
WNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000071443**

Well ID:	SL372412434-AMR-611-D	Well Type:	MONITORING
Source:	EDF	Other Name:	AMR-611-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=AMR-611-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=AMR-611-D		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

P80
SW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000041355**

Well ID:	SLT43129127-CRGG-6D	Well Type:	MONITORING
Source:	EDF	Other Name:	CRGG-6D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SLT43129127&assigned_name=CRGG-6D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SLT43129127&assigned_name=CRGG-6D		

P81
SW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000087755**

Well ID:	SLT43129127-CRGG-6B	Well Type:	MONITORING
Source:	EDF	Other Name:	CRGG-6B
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SLT43129127&assigned_name=CRGG-6B&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SLT43129127&assigned_name=CRGG-6B		

P82
SW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000099988**

Well ID:	SLT43129127-CRGG-6C	Well Type:	MONITORING
Source:	EDF	Other Name:	CRGG-6C
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SLT43129127&assigned_name=CRGG-6C&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SLT43129127&assigned_name=CRGG-6C		

M83
SSW
1/2 - 1 Mile
Lower

CA WELLS **CADWR0000017212**

Well ID:	04S13W22P001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W22P001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W22P001S&store_num=		
GeoTracker Data:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

P84
SW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000112324**

Well ID:	SLT43129127-MW-52LG	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-52LG
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SLT43129127&assigned_name=MW-52LG&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SLT43129127&assigned_name=MW-52LG		

P85
SW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000009003**

Well ID:	SLT43129127-MW-52MG	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-52MG
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SLT43129127&assigned_name=MW-52MG&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SLT43129127&assigned_name=MW-52MG		

P86
SW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000101872**

Well ID:	SLT43129127-MW-52UG	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-52UG
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SLT43129127&assigned_name=MW-52UG&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SLT43129127&assigned_name=MW-52UG		

87
NW
1/2 - 1 Mile
Higher

CA WELLS **5351**

Seq:	5351	Prim sta c:	04S/13W-15F01 S
Frds no:	1910033024	County:	19
District:	07	User id:	4TH
System no:	1910033	Water type:	G
Source nam:	WELL 77	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	334900.0	Longitude:	1181400.0
Precision:	3	Status:	AR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported

Comment 7:	Not Reported		
System no:	1910033	System nam:	Dominguez Water Corp
Hqname:	DOMINGUEZ WATER CORP	Address:	P.O. BOX 9351
City:	LONG BEACH	State:	CA
Zip:	90810	Zip ext:	Not Reported
Pop serv:	100000	Connection:	32000
Area serve:	Not Reported		
Sample date:	14-MAR-18	Finding:	2.
Chemical:	ODOR THRESHOLD @ 60 C	Report units:	TON
Dlr:	1.		
Sample date:	14-MAR-18	Finding:	7.5
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	14-MAR-18	Finding:	0.14
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	14-MAR-18	Finding:	26.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	14-MAR-18	Finding:	9.8e-002
Chemical:	SULFIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	14-MAR-18	Finding:	10.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	07-FEB-18	Finding:	0.81
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	07-FEB-18	Finding:	7.4e-002
Chemical:	SULFIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	07-FEB-18	Finding:	0.47
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L
Dlr:	0.		
Sample date:	07-FEB-18	Finding:	7.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	07-FEB-18	Finding:	5.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	07-FEB-18	Finding:	27.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	07-FEB-18	Finding:	7.01
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	07-FEB-18	Finding:	26.7

Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	07-FEB-18	Finding:	2.
Chemical:	ODOR THRESHOLD @ 60 C	Report units:	TON
Dlr:	1.		
Sample date:	03-JAN-18	Finding:	7.6
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	03-JAN-18	Finding:	2.
Chemical:	ODOR THRESHOLD @ 60 C	Report units:	TON
Dlr:	1.		
Sample date:	03-JAN-18	Finding:	10.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	03-JAN-18	Finding:	24.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	03-JAN-18	Finding:	0.12
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	26-DEC-17	Finding:	2.1
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	26-DEC-17	Finding:	11.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dlr:	0.		
Sample date:	26-DEC-17	Finding:	210.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	26-DEC-17	Finding:	22.
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	26-DEC-17	Finding:	2.7
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	26-DEC-17	Finding:	55.
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	26-DEC-17	Finding:	5.2
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	26-DEC-17	Finding:	22.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	26-DEC-17	Finding:	77.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		

Sample date:	26-DEC-17	Finding:	180.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	26-DEC-17	Finding:	150.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	26-DEC-17	Finding:	7.12
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	26-DEC-17	Finding:	330.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	26-DEC-17	Finding:	1.2
Chemical:	ODOR THRESHOLD @ 60 C	Report units:	TON
Dlr:	1.		
Sample date:	26-DEC-17	Finding:	5.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	26-DEC-17	Finding:	0.22
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	06-DEC-17	Finding:	7.7e-002
Chemical:	SULFIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	06-DEC-17	Finding:	6.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	06-DEC-17	Finding:	2.
Chemical:	ODOR THRESHOLD @ 60 C	Report units:	TON
Dlr:	1.		
Sample date:	06-DEC-17	Finding:	10.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	06-DEC-17	Finding:	25.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	06-DEC-17	Finding:	0.18
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	16-NOV-17	Finding:	8.3
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	16-NOV-17	Finding:	2.
Chemical:	ODOR THRESHOLD @ 60 C	Report units:	TON
Dlr:	1.		
Sample date:	16-NOV-17	Finding:	5.
Chemical:	COLOR	Report units:	UNITS

Dlr:	0.		
Sample date:	16-NOV-17	Finding:	24.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	16-NOV-17	Finding:	0.82
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	16-NOV-17	Finding:	8.3
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	16-NOV-17	Finding:	24.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	16-NOV-17	Finding:	8.3
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	16-NOV-17	Finding:	24.5
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	16-NOV-17	Finding:	8.2e-002
Chemical:	SULFIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	16-NOV-17	Finding:	0.48
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L
Dlr:	0.		
Sample date:	04-OCT-17	Finding:	2.
Chemical:	ODOR THRESHOLD @ 60 C	Report units:	TON
Dlr:	1.		
Sample date:	04-OCT-17	Finding:	6.7
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	04-OCT-17	Finding:	8.e-002
Chemical:	SULFIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	04-OCT-17	Finding:	26.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	04-OCT-17	Finding:	5.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	20-SEP-17	Finding:	7.49
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	20-SEP-17	Finding:	25.8
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		

Sample date:	20-SEP-17	Finding:	7.5
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	20-SEP-17	Finding:	6.8e-002
Chemical:	SULFIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	20-SEP-17	Finding:	26.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	20-SEP-17	Finding:	10.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	20-SEP-17	Finding:	7.5
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	20-SEP-17	Finding:	26.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	09-AUG-17	Finding:	10.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	09-AUG-17	Finding:	26.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	09-AUG-17	Finding:	0.66
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	09-AUG-17	Finding:	7.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	09-AUG-17	Finding:	7.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	09-AUG-17	Finding:	0.45
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L
Dlr:	0.		
Sample date:	09-AUG-17	Finding:	26.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	28-JUN-17	Finding:	0.77
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	28-JUN-17	Finding:	0.42
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L
Dlr:	0.		
Sample date:	10-AUG-16	Finding:	26.
Chemical:	SOURCE TEMPERATURE C	Report units:	C

Dlr:	0.		
Sample date:	10-AUG-16	Finding:	7.2
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	10-AUG-16	Finding:	26.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	10-AUG-16	Finding:	0.81
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	10-AUG-16	Finding:	0.36
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L
Dlr:	0.		
Sample date:	10-AUG-16	Finding:	7.2
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	10-AUG-16	Finding:	26.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	10-AUG-16	Finding:	7.19
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	10-AUG-16	Finding:	26.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	10-AUG-16	Finding:	0.53
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	10-AUG-16	Finding:	7.2
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	10-AUG-16	Finding:	40.
Chemical:	ODOR THRESHOLD @ 60 C	Report units:	TON
Dlr:	1.		
Sample date:	10-AUG-16	Finding:	10.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	10-AUG-16	Finding:	26.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	10-AUG-16	Finding:	7.19
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	18-MAY-16	Finding:	7.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		

Sample date:	18-MAY-16	Finding:	0.17
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	18-MAY-16	Finding:	7.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	18-MAY-16	Finding:	5.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	18-MAY-16	Finding:	27.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	18-MAY-16	Finding:	7.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	18-MAY-16	Finding:	27.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	18-MAY-16	Finding:	0.41
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L
Dlr:	0.		
Sample date:	18-MAY-16	Finding:	7.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	18-MAY-16	Finding:	27.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	18-MAY-16	Finding:	0.64
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	18-MAY-16	Finding:	27.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	18-MAY-16	Finding:	7.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	18-MAY-16	Finding:	27.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	10-FEB-16	Finding:	26.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	10-FEB-16	Finding:	7.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	10-FEB-16	Finding:	25.8
Chemical:	SOURCE TEMPERATURE C	Report units:	C

Dlr:	0.		
Sample date:	10-FEB-16	Finding:	0.42
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	10-FEB-16	Finding:	7.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	10-FEB-16	Finding:	26.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	10-FEB-16	Finding:	7.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	10-FEB-16	Finding:	0.74
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	10-FEB-16	Finding:	25.8
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	10-FEB-16	Finding:	7.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	10-FEB-16	Finding:	25.8
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	10-FEB-16	Finding:	26.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	10-FEB-16	Finding:	7.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	10-FEB-16	Finding:	0.41
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L
Dlr:	0.		
Sample date:	10-FEB-16	Finding:	7.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	10-FEB-16	Finding:	26.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	10-FEB-16	Finding:	7.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	10-FEB-16	Finding:	25.8
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		

Sample date:	10-FEB-16	Finding:	7.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	10-FEB-16	Finding:	26.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	10-FEB-16	Finding:	7.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	04-NOV-15	Finding:	25.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	04-NOV-15	Finding:	7.1
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	04-NOV-15	Finding:	0.81
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	04-NOV-15	Finding:	0.38
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L
Dlr:	0.		
Sample date:	04-NOV-15	Finding:	0.16
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	04-NOV-15	Finding:	5.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	04-NOV-15	Finding:	2.
Chemical:	ODOR THRESHOLD @ 60 C	Report units:	TON
Dlr:	1.		
Sample date:	04-NOV-15	Finding:	7.1
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	04-NOV-15	Finding:	25.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	23-SEP-15	Finding:	7.26
Chemical:	METHYL ETHYL KETONE	Report units:	UG/L
Dlr:	5.		
Sample date:	19-AUG-15	Finding:	8.1
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	19-AUG-15	Finding:	0.47
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L
Dlr:	0.		
Sample date:	19-AUG-15	Finding:	0.71
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L

Dlr:	0.3		
Sample date:	19-AUG-15	Finding:	0.25
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	19-AUG-15	Finding:	8.1
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	19-AUG-15	Finding:	26.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	19-AUG-15	Finding:	10.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	19-AUG-15	Finding:	26.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	15-JUL-15	Finding:	26.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	15-JUL-15	Finding:	8.26
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	07-JUL-15	Finding:	7.8
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	07-JUL-15	Finding:	25.5
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	23-JUN-15	Finding:	8.2
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	23-JUN-15	Finding:	26.3
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	16-JUN-15	Finding:	8.2
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	16-JUN-15	Finding:	26.5
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	12-JUN-15	Finding:	7.7
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	12-JUN-15	Finding:	25.5
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		

Sample date:	09-JUN-15	Finding:	25.8
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	09-JUN-15	Finding:	8.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	12-MAY-15	Finding:	8.1
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	12-MAY-15	Finding:	27.7
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	06-MAY-15	Finding:	26.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	06-MAY-15	Finding:	0.16
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	06-MAY-15	Finding:	0.71
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	06-MAY-15	Finding:	0.42
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L
Dlr:	0.		
Sample date:	06-MAY-15	Finding:	8.1
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	06-MAY-15	Finding:	2.
Chemical:	ODOR THRESHOLD @ 60 C	Report units:	TON
Dlr:	1.		
Sample date:	06-MAY-15	Finding:	5.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	06-MAY-15	Finding:	8.1
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	06-MAY-15	Finding:	25.6
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	08-APR-15	Finding:	7.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	08-APR-15	Finding:	25.4
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	11-MAR-15	Finding:	25.
Chemical:	SOURCE TEMPERATURE C	Report units:	C

Dlr:	0.		
Sample date:	11-MAR-15	Finding:	8.1
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	11-MAR-15	Finding:	2.5
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	11-MAR-15	Finding:	7.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	11-MAR-15	Finding:	24.8
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	11-MAR-15	Finding:	3.
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	17-FEB-15	Finding:	25.6
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	17-FEB-15	Finding:	8.1
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	11-FEB-15	Finding:	8.6e-002
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	11-FEB-15	Finding:	26.1
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	11-FEB-15	Finding:	8.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	11-FEB-15	Finding:	26.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	11-FEB-15	Finding:	0.616
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	11-FEB-15	Finding:	0.4
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L
Dlr:	0.		
Sample date:	11-FEB-15	Finding:	7.8e-002
Chemical:	SULFIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	11-FEB-15	Finding:	8.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		

Sample date:	11-FEB-15	Finding:	8.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	11-FEB-15	Finding:	5.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	11-FEB-15	Finding:	26.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	28-JAN-15	Finding:	25.3
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	28-JAN-15	Finding:	8.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	21-JAN-15	Finding:	24.6
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	21-JAN-15	Finding:	8.1
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	03-DEC-14	Finding:	8.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	03-DEC-14	Finding:	23.9
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	12-NOV-14	Finding:	8.1
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	12-NOV-14	Finding:	0.66
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	12-NOV-14	Finding:	0.4
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L
Dlr:	0.		
Sample date:	12-NOV-14	Finding:	5.1e-002
Chemical:	SULFIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	12-NOV-14	Finding:	24.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	12-NOV-14	Finding:	10.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	12-NOV-14	Finding:	8.1
Chemical:	PH, FIELD	Report units:	Not Reported

Dlr:	0.		
Sample date:	12-NOV-14	Finding:	5.7e-002
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	12-NOV-14	Finding:	24.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	06-NOV-14	Finding:	25.6
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	06-NOV-14	Finding:	7.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	07-OCT-14	Finding:	26.9
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	07-OCT-14	Finding:	8.3
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	03-SEP-14	Finding:	8.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	21-AUG-14	Finding:	8.23
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	13-AUG-14	Finding:	10.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	13-AUG-14	Finding:	28.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	13-AUG-14	Finding:	8.1
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	13-AUG-14	Finding:	0.39
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L
Dlr:	0.		
Sample date:	13-AUG-14	Finding:	0.67
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	13-AUG-14	Finding:	28.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	13-AUG-14	Finding:	8.1
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		

Sample date:	13-AUG-14	Finding:	0.24
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	14-JUL-14	Finding:	8.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	08-JUL-14	Finding:	7.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	30-JUN-14	Finding:	8.3
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	24-JUN-14	Finding:	7.4
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	18-JUN-14	Finding:	26.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	18-JUN-14	Finding:	8.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	18-JUN-14	Finding:	26.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	18-JUN-14	Finding:	8.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	18-JUN-14	Finding:	26.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	18-JUN-14	Finding:	8.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	18-JUN-14	Finding:	26.5
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	18-JUN-14	Finding:	8.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	18-JUN-14	Finding:	26.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	18-JUN-14	Finding:	0.6
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	18-JUN-14	Finding:	8.
Chemical:	PH, FIELD	Report units:	Not Reported

Dlr:	0.		
Sample date:	18-JUN-14	Finding:	0.43
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L
Dlr:	0.		
Sample date:	18-JUN-14	Finding:	8.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	18-JUN-14	Finding:	26.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	10-JUN-14	Finding:	7.71
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	05-JUN-14	Finding:	7.7
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	04-JUN-14	Finding:	7.6
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	26-FEB-14	Finding:	23.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	26-FEB-14	Finding:	0.91
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	26-FEB-14	Finding:	0.38
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	26-FEB-14	Finding:	23.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	26-FEB-14	Finding:	7.8
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	26-FEB-14	Finding:	0.44
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L
Dlr:	0.		
Sample date:	26-FEB-14	Finding:	23.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	26-FEB-14	Finding:	23.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	26-FEB-14	Finding:	7.8
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		

Sample date:	26-FEB-14	Finding:	7.8
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	26-FEB-14	Finding:	7.8
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	26-FEB-14	Finding:	23.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	26-FEB-14	Finding:	7.8
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	26-FEB-14	Finding:	7.8
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	27-JAN-14	Finding:	7.8
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	27-JAN-14	Finding:	7.8
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	27-JAN-14	Finding:	7.7
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	27-JAN-14	Finding:	7.6
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	27-JAN-14	Finding:	8.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	27-JAN-14	Finding:	7.8
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	08-JAN-14	Finding:	7.8
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	06-JAN-14	Finding:	7.8
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	18-DEC-13	Finding:	9.2
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	18-DEC-13	Finding:	4.1
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	18-DEC-13	Finding:	1.9
Chemical:	DIBROMOCHLOROMETHANE (THM)	Report units:	UG/L

Dlr:	1.		
Sample date:	18-DEC-13	Finding:	3.2
Chemical:	BROMODICHLOROMETHANE (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	18-DEC-13	Finding:	7.4
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	16-DEC-13	Finding:	8.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	16-DEC-13	Finding:	8.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	16-DEC-13	Finding:	8.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	16-DEC-13	Finding:	8.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	16-DEC-13	Finding:	8.2
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	16-DEC-13	Finding:	8.2
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	16-DEC-13	Finding:	8.2
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	10-DEC-13	Finding:	7.6
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	19-NOV-13	Finding:	7.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	13-NOV-13	Finding:	7.7
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	06-NOV-13	Finding:	2.
Chemical:	ODOR THRESHOLD @ 60 C	Report units:	TON
Dlr:	1.		
Sample date:	06-NOV-13	Finding:	5.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	06-NOV-13	Finding:	0.39
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		

Sample date:	06-NOV-13	Finding:	0.75
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	06-NOV-13	Finding:	0.48
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L
Dlr:	0.		
Sample date:	05-NOV-13	Finding:	7.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	16-OCT-13	Finding:	8.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	26-SEP-13	Finding:	7.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	10-SEP-13	Finding:	10.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	10-SEP-13	Finding:	0.33
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	14-AUG-13	Finding:	0.44
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L
Dlr:	0.		
Sample date:	14-AUG-13	Finding:	0.88
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	13-AUG-13	Finding:	7.2
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	06-AUG-13	Finding:	7.3
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	22-JUL-13	Finding:	7.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	16-JUL-13	Finding:	7.8
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	12-JUN-13	Finding:	7.7
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	23-MAY-13	Finding:	8.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	22-MAY-13	Finding:	7.8
Chemical:	PH, FIELD	Report units:	Not Reported

Dlr:	0.		
Sample date:	21-MAY-13	Finding:	7.7
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	13-MAY-13	Finding:	7.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	08-MAY-13	Finding:	8.3
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	08-MAY-13	Finding:	15.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	08-MAY-13	Finding:	8.3
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	08-MAY-13	Finding:	25.7
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	08-MAY-13	Finding:	0.12
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	08-MAY-13	Finding:	0.44
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L
Dlr:	0.		
Sample date:	08-MAY-13	Finding:	8.3
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	08-MAY-13	Finding:	25.7
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	08-MAY-13	Finding:	0.81
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	08-MAY-13	Finding:	25.7
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	08-MAY-13	Finding:	8.3
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	07-MAY-13	Finding:	8.4
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	09-APR-13	Finding:	7.7
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		

Sample date:	25-MAR-13	Finding:	7.7
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	22-MAR-13	Finding:	7.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	18-MAR-13	Finding:	8.2
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	13-MAR-13	Finding:	7.8
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	13-MAR-13	Finding:	7.7
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	13-MAR-13	Finding:	24.4
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	13-MAR-13	Finding:	24.4
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	13-MAR-13	Finding:	12.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dlr:	0.		
Sample date:	13-MAR-13	Finding:	0.4
Chemical:	LANGELIER INDEX @ 60 C	Report units:	Not Reported
Dlr:	0.		
Sample date:	13-MAR-13	Finding:	210.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	13-MAR-13	Finding:	0.24
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	13-MAR-13	Finding:	2.6
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	13-MAR-13	Finding:	21.
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	13-MAR-13	Finding:	2.5
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	13-MAR-13	Finding:	48.
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	13-MAR-13	Finding:	4.8
Chemical:	MAGNESIUM	Report units:	MG/L

Dlr:	0.		
Sample date:	13-MAR-13	Finding:	21.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	13-MAR-13	Finding:	72.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	13-MAR-13	Finding:	5.
Chemical:	CARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	13-MAR-13	Finding:	190.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	13-MAR-13	Finding:	160.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	13-MAR-13	Finding:	8.4
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	13-MAR-13	Finding:	350.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	13-MAR-13	Finding:	10.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	13-MAR-13	Finding:	7.7
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	13-MAR-13	Finding:	24.4
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	13-MAR-13	Finding:	7.7
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	13-MAR-13	Finding:	24.4
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	13-MAR-13	Finding:	7.7
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	12-MAR-13	Finding:	7.7
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	06-FEB-13	Finding:	0.17
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		

Sample date:	06-FEB-13	Finding:	10.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	06-FEB-13	Finding:	0.35
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L
Dlr:	0.		
Sample date:	06-FEB-13	Finding:	0.78
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	16-JAN-13	Finding:	6.3
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	13-DEC-12	Finding:	8.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	19-NOV-12	Finding:	7.8
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	14-NOV-12	Finding:	10.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	14-NOV-12	Finding:	0.47
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L
Dlr:	0.		
Sample date:	14-NOV-12	Finding:	0.86
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	14-NOV-12	Finding:	3.
Chemical:	ODOR THRESHOLD @ 60 C	Report units:	TON
Dlr:	1.		
Sample date:	14-NOV-12	Finding:	0.14
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	14-NOV-12	Finding:	0.11
Chemical:	SULFIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	24-OCT-12	Finding:	7.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	18-OCT-12	Finding:	8.4
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	26-SEP-12	Finding:	2.6
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	26-SEP-12	Finding:	1.92
Chemical:	CHLOROFORM (THM)	Report units:	UG/L

Dlr:	1.		
Sample date:	05-SEP-12	Finding:	7.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	08-AUG-12	Finding:	0.1
Chemical:	SULFIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	08-AUG-12	Finding:	8.5e-002
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	08-AUG-12	Finding:	2.
Chemical:	ODOR THRESHOLD @ 60 C	Report units:	TON
Dlr:	1.		
Sample date:	08-AUG-12	Finding:	10.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	08-AUG-12	Finding:	0.46
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L
Dlr:	0.		
Sample date:	08-AUG-12	Finding:	0.71
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	06-AUG-12	Finding:	8.4
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	09-JUL-12	Finding:	8.4
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	25-JUN-12	Finding:	8.3
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	09-MAY-12	Finding:	0.81
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	09-MAY-12	Finding:	7.7
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	09-MAY-12	Finding:	0.41
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L
Dlr:	0.		
Sample date:	09-MAY-12	Finding:	0.12
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	09-MAY-12	Finding:	2.
Chemical:	ODOR THRESHOLD @ 60 C	Report units:	TON
Dlr:	1.		

Sample date:	09-MAY-12	Finding:	5.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	11-APR-12	Finding:	8.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	12-MAR-12	Finding:	7.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	14-FEB-12	Finding:	8.3
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	08-FEB-12	Finding:	9.7e-002
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	08-FEB-12	Finding:	0.7
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	08-FEB-12	Finding:	0.42
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L
Dlr:	0.		
Sample date:	08-FEB-12	Finding:	5.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	11-JAN-12	Finding:	8.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		

R88
SE
1/2 - 1 Mile
Lower

CA WELLS **CADWR9000005612**

State Well #:	04S13W23N003S	Station ID:	5458
Well Name:	Not Reported	Basin Name:	West Coast
Well Use:	Unknown	Well Type:	Unknown
Well Depth:	0	Well Completion Rpt #:	Not Reported

S89
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000115963**

Well ID:	T10000002352-H-133	Well Type:	MONITORING
Source:	EDF	Other Name:	H-133
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000002352&assigned_name=H-133&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000002352&assigned_name=H-133		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

S90
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000090402**

Well ID:	SL372432436-H-133	Well Type:	MONITORING
Source:	EDF	Other Name:	H-133
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372432436&assigned_name=H-133&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372432436&assigned_name=H-133		

91
NNW
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000012420**

Well ID:	04S13W15P003S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W15P003S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W15P003S&store_num=		
GeoTracker Data:	Not Reported		

R92
SE
1/2 - 1 Mile
Lower

FED USGS **USGS40000138311**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	004S013W23N003S	Type:	Well
Description:	Not Reported	HUC:	Not Reported
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19600504	Well Depth:	471
Well Depth Units:	ft	Well Hole Depth:	1125
Well Hole Depth Units:	ft		
Ground water levels,Number of Measurements:	1	Level reading date:	1999-02-11
Feet below surface:	79.9	Feet to sea level:	Not Reported
Note:	Not Reported		

R93
SE
1/2 - 1 Mile
Lower

CA WELLS **CAUSGSN00016769**

Well ID:	USGS-334814118131301	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-334814118131301	GAMA PFAS Testing:	Not Reported

Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334814118131301&store_num=
GeoTracker Data: Not Reported

R94
SE
1/2 - 1 Mile
Lower

CA WELLS **CADWR0000000512**

Well ID: 04S13W23N003S
Well Type: UNK
Source: Department of Water Resources
Other Name: 04S13W23N003S
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W23N003S&store_num=
GeoTracker Data: Not Reported

S95
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000092052**

Well ID: SLT43129127-MW-68
Well Type: MONITORING
Source: EDF
Other Name: MW-68
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SLT43129127&assigned_name=MW-68&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SLT43129127&assigned_name=MW-68

96
WSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000097063**

Well ID: SL372402433-MW-32
Well Type: MONITORING
Source: EDF
Other Name: MW-32
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372402433&assigned_name=MW-32&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372402433&assigned_name=MW-32

S97
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000005562**

Well ID: T10000002352-RW-7
Well Type: MONITORING
Source: EDF
Other Name: RW-7
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000002352&assigned_name=RW-7&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000002352&assigned_name=RW-7

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

S98
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000062522**

Well ID:	T10000002352-RW-20	Well Type:	MONITORING
Source:	EDF	Other Name:	RW-20
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000002352&assigned_name=RW-20&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000002352&assigned_name=RW-20		

T99
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000125375**

Well ID:	T10000002352-RW-8	Well Type:	MONITORING
Source:	EDF	Other Name:	RW-8
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000002352&assigned_name=RW-8&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000002352&assigned_name=RW-8		

T100
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000108759**

Well ID:	T10000002352-RW-9	Well Type:	MONITORING
Source:	EDF	Other Name:	RW-9
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000002352&assigned_name=RW-9&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000002352&assigned_name=RW-9		

T101
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000071166**

Well ID:	T10000002352-RW-31	Well Type:	MONITORING
Source:	EDF	Other Name:	RW-31
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000002352&assigned_name=RW-31&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000002352&assigned_name=RW-31		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

U102
SE
1/2 - 1 Mile
Lower

CA WELLS **CADWR0000016012**

Well ID:	04S13W23N005S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W23N005S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W23N005S&store_num=		
GeoTracker Data:	Not Reported		

U103
SE
1/2 - 1 Mile
Lower

CA WELLS **CADWR0000024662**

Well ID:	04S13W23N004S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W23N004S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W23N004S&store_num=		
GeoTracker Data:	Not Reported		

V104
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000142782**

Well ID:	T10000002352-RW-15	Well Type:	MONITORING
Source:	EDF	Other Name:	RW-15
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000002352&assigned_name=RW-15&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000002352&assigned_name=RW-15		

V105
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000128902**

Well ID:	T10000002352-RW-32	Well Type:	MONITORING
Source:	EDF	Other Name:	RW-32
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000002352&assigned_name=RW-32&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000002352&assigned_name=RW-32		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

V106
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000068980**

Well ID:	T10000002352-RW-17	Well Type:	MONITORING
Source:	EDF	Other Name:	RW-17
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000002352&assigned_name=RW-17&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000002352&assigned_name=RW-17		

T107
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000070742**

Well ID:	T10000002352-RW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	RW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000002352&assigned_name=RW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000002352&assigned_name=RW-6		

V108
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000016726**

Well ID:	T10000002352-RW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	RW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000002352&assigned_name=RW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000002352&assigned_name=RW-2		

109
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000074948**

Well ID:	SL372412434-ANE-520-D	Well Type:	MONITORING
Source:	EDF	Other Name:	ANE-520-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=ANE-520-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=ANE-520-D		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

T110
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000003324**

Well ID:	T10000002352-RW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	RW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000002352&assigned_name=RW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000002352&assigned_name=RW-4		

111
West
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000096219**

Well ID:	SL372412434-AMR-050-S	Well Type:	MONITORING
Source:	EDF	Other Name:	AMR-050-S
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=AMR-050-S&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=AMR-050-S		

112
WSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000067882**

Well ID:	SL372402433-MW-55	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-55
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372402433&assigned_name=MW-55&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372402433&assigned_name=MW-55		

W113
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000070607**

Well ID:	SL184891472-P-3D	Well Type:	MONITORING
Source:	EDF	Other Name:	P-3D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=P-3D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=P-3D		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

W114
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000094969**

Well ID:	SL184891472-P-3S	Well Type:	MONITORING
Source:	EDF	Other Name:	P-3S
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=P-3S&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=P-3S		

V115
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000055058**

Well ID:	T10000002352-RW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	RW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000002352&assigned_name=RW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000002352&assigned_name=RW-1		

X116
SW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000134336**

Well ID:	SLT43129127-MW-74UG	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-74UG
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SLT43129127&assigned_name=MW-74UG&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SLT43129127&assigned_name=MW-74UG		

X117
SW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000099560**

Well ID:	SLT43129127-MW-74ML	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-74ML
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SLT43129127&assigned_name=MW-74ML&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SLT43129127&assigned_name=MW-74ML		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

T118
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000036933**

Well ID:	T10000002352-RW-30	Well Type:	MONITORING
Source:	EDF	Other Name:	RW-30
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000002352&assigned_name=RW-30&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000002352&assigned_name=RW-30		

X119
SW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000094290**

Well ID:	SLT43129127-MW-74LG	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-74LG
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SLT43129127&assigned_name=MW-74LG&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SLT43129127&assigned_name=MW-74LG		

W120
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000054360**

Well ID:	SL184891472-P-4S	Well Type:	MONITORING
Source:	EDF	Other Name:	P-4S
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=P-4S&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=P-4S		

Y121
NE
1/2 - 1 Mile
Higher

FED USGS **USGS40000138409**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	004S013W23D004S	Type:	Well
Description:	Not Reported	HUC:	Not Reported
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	20000710	Well Depth:	1017
Well Depth Units:	ft	Well Hole Depth:	1404

Well Hole Depth Units: ft

Ground water levels,Number of Measurements:	14	Level reading date:	2002-09-29
Feet below surface:	85.42	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	2002-07-31	Feet below surface:	83.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-06-26	Feet below surface:	86.59
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-03-29	Feet below surface:	91.61
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-12-26	Feet below surface:	72.56
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-11-14	Feet below surface:	74.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-09-25	Feet below surface:	75.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-06-26	Feet below surface:	74.11
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-03-26	Feet below surface:	100.06
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-03-07	Feet below surface:	72.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-01-23	Feet below surface:	73.21
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-12-28	Feet below surface:	74.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-09-27	Feet below surface:	74.13
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-08-31	Feet below surface:	74.44
Feet to sea level:	Not Reported	Note:	Not Reported

Y122
NE
1/2 - 1 Mile
Higher

FED USGS **USGS40000138408**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	004S013W23D003S	Type:	Well
Description:	Not Reported	HUC:	Not Reported
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	20000710	Well Depth:	1390
Well Depth Units:	ft	Well Hole Depth:	1404

Well Hole Depth Units: ft

Ground water levels,Number of Measurements:	14	Level reading date:	2002-09-29
Feet below surface:	70.26	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	2002-07-31	Feet below surface:	71.33
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-06-26	Feet below surface:	71.86
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-03-29	Feet below surface:	69.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-12-26	Feet below surface:	72.56
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-11-14	Feet below surface:	74.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-09-25	Feet below surface:	75.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-06-26	Feet below surface:	74.11
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-03-26	Feet below surface:	72.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-03-07	Feet below surface:	72.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-01-23	Feet below surface:	73.21
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-12-28	Feet below surface:	74.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-09-27	Feet below surface:	74.13
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-08-31	Feet below surface:	74.44
Feet to sea level:	Not Reported	Note:	Not Reported

Y123
NE
1/2 - 1 Mile
Higher

FED USGS **USGS40000138410**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	004S013W23D005S	Type:	Well
Description:	Not Reported	HUC:	Not Reported
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	20000710	Well Depth:	690
Well Depth Units:	ft	Well Hole Depth:	1404

Well Hole Depth Units: ft

Ground water levels,Number of Measurements:	14	Level reading date:	2002-09-29
Feet below surface:	85.38	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	2002-07-31	Feet below surface:	83.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-06-26	Feet below surface:	86.56
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-03-29	Feet below surface:	91.57
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-12-26	Feet below surface:	83.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-11-14	Feet below surface:	87.64
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-09-25	Feet below surface:	99.04
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-06-26	Feet below surface:	99.02
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-03-26	Feet below surface:	99.91
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-03-07	Feet below surface:	94.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-01-23	Feet below surface:	86.71
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-12-28	Feet below surface:	90.49
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-09-27	Feet below surface:	96.69
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-08-31	Feet below surface:	91.03
Feet to sea level:	Not Reported	Note:	Not Reported

Y124
NE
1/2 - 1 Mile
Higher

FED USGS **USGS40000138412**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	004S013W23D007S	Type:	Well
Description:	Not Reported	HUC:	Not Reported
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	20000710	Well Depth:	430
Well Depth Units:	ft	Well Hole Depth:	1404

Well Hole Depth Units: ft

Ground water levels,Number of Measurements:	14	Level reading date:	2002-09-29
Feet below surface:	37.13	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	2002-07-31	Feet below surface:	37.36
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-06-26	Feet below surface:	38.03
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-03-29	Feet below surface:	37.53
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-12-26	Feet below surface:	37.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-11-14	Feet below surface:	37.86
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-09-25	Feet below surface:	38.43
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-06-26	Feet below surface:	38.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-03-26	Feet below surface:	37.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-03-07	Feet below surface:	37.43
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-01-23	Feet below surface:	37.49
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-12-28	Feet below surface:	37.79
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-09-27	Feet below surface:	37.39
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-08-31	Feet below surface:	37.20
Feet to sea level:	Not Reported	Note:	Not Reported

Y125
NE
1/2 - 1 Mile
Higher

FED USGS **USGS40000138411**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	004S013W23D006S	Type:	Well
Description:	Not Reported	HUC:	Not Reported
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	20000710	Well Depth:	550
Well Depth Units:	ft	Well Hole Depth:	1404

Well Hole Depth Units: ft

Ground water levels,Number of Measurements:	14	Level reading date:	2002-09-29
Feet below surface:	85.54	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	2002-07-31	Feet below surface:	83.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-06-26	Feet below surface:	86.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-03-29	Feet below surface:	91.55
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-12-26	Feet below surface:	83.11
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-11-14	Feet below surface:	87.53
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-09-25	Feet below surface:	99.02
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-06-26	Feet below surface:	99.02
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-03-26	Feet below surface:	93.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-03-07	Feet below surface:	93.87
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-01-23	Feet below surface:	86.62
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-12-28	Feet below surface:	90.41
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-09-27	Feet below surface:	96.39
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-08-31	Feet below surface:	90.93
Feet to sea level:	Not Reported	Note:	Not Reported

126
NW
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000005792**

Well ID:	04S13W15N001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W15N001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W15N001S&store_num=		
GeoTracker Data:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

Y127
NE
1/2 - 1 Mile
Higher

CA WELLS **CAUSGSN00002267**

Well ID:	USGS-334904118130304	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-334904118130304	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334904118130304&store_num=		
GeoTracker Data:	Not Reported		

Y128
NE
1/2 - 1 Mile
Higher

CA WELLS **CAUSGSN00001750**

Well ID:	USGS-334904118130303	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-334904118130303	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334904118130303&store_num=		
GeoTracker Data:	Not Reported		

Y129
NE
1/2 - 1 Mile
Higher

CA WELLS **CAUSGSN00002330**

Well ID:	USGS-334904118130301	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-334904118130301	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334904118130301&store_num=		
GeoTracker Data:	Not Reported		

Y130
NE
1/2 - 1 Mile
Higher

CA WELLS **CAUSGSN00018132**

Well ID:	USGS-334904118130305	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-334904118130305	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334904118130305&store_num=		
GeoTracker Data:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

Y131
NE
1/2 - 1 Mile
Higher

CA WELLS **CAUSGSN00005128**

Well ID:	USGS-334904118130302	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-334904118130302	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334904118130302&store_num=		
GeoTracker Data:	Not Reported		

W132
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000141214**

Well ID:	SL184891472-P-2S	Well Type:	MONITORING
Source:	EDF	Other Name:	P-2S
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=P-2S&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=P-2S		

W133
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000120007**

Well ID:	SL184891472-MW-25A	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-25A
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=MW-25A&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=MW-25A		

W134
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000060749**

Well ID:	SL184891472-MW-13	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-13
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=MW-13&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=MW-13		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

W135
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000036830**

Well ID:	SL184891472-MW-25B	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-25B
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=MW-25B&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=MW-25B		

Z136
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000064062**

Well ID:	SLT43129127-MW-72LG	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-72LG
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SLT43129127&assigned_name=MW-72LG&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SLT43129127&assigned_name=MW-72LG		

Z137
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000002827**

Well ID:	SLT43129127-MW-72UG	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-72UG
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SLT43129127&assigned_name=MW-72UG&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SLT43129127&assigned_name=MW-72UG		

AA138
SE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000090983**

Well ID:	T0603799305-MW-14	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-14
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603799305&assigned_name=MW-14&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603799305&assigned_name=MW-14		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

V139
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000018435**

Well ID:	T10000002352-RW-16	Well Type:	MONITORING
Source:	EDF	Other Name:	RW-16
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000002352&assigned_name=RW-16&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000002352&assigned_name=RW-16		

AA140
ESE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000007820**

Well ID:	T0603799305-MW-13	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-13
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603799305&assigned_name=MW-13&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603799305&assigned_name=MW-13		

AB141
South
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000142830**

Well ID:	WDR100000534-101452	Well Type:	MONITORING
Source:	EDF	Other Name:	101452
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100000534&assigned_name=101452&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100000534&assigned_name=101452		

AB142
South
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000122561**

Well ID:	SL372432436-27YC	Well Type:	MONITORING
Source:	EDF	Other Name:	27YC
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372432436&assigned_name=27YC&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372432436&assigned_name=27YC		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AB143
South
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000102940**

Well ID:	WDR100000534-101885	Well Type:	MONITORING
Source:	EDF	Other Name:	101885
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100000534&assigned_name=101885&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100000534&assigned_name=101885		

AB144
South
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000014379**

Well ID:	WDR100000534-101451	Well Type:	MONITORING
Source:	EDF	Other Name:	101451
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100000534&assigned_name=101451&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100000534&assigned_name=101451		

Z145
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000060170**

Well ID:	T10000002352-RW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	RW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000002352&assigned_name=RW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000002352&assigned_name=RW-5		

Z146
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000141681**

Well ID:	SLT43129127-MW-72ML	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-72ML
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SLT43129127&assigned_name=MW-72ML&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SLT43129127&assigned_name=MW-72ML		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AC147
WSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000126718**

Well ID:	SL372402433-WD-3	Well Type:	MONITORING
Source:	EDF	Other Name:	WD-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372402433&assigned_name=WD-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372402433&assigned_name=WD-3		

AD148
SW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000072933**

Well ID:	SL372402433-WD-5L	Well Type:	MONITORING
Source:	EDF	Other Name:	WD-5L
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372402433&assigned_name=WD-5L&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372402433&assigned_name=WD-5L		

W149
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000020340**

Well ID:	SL184891472-P-7S	Well Type:	MONITORING
Source:	EDF	Other Name:	P-7S
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=P-7S&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=P-7S		

W150
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000073026**

Well ID:	SL184891472-MW-26B	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-26B
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=MW-26B&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=MW-26B		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

W151
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000127130**

Well ID:	SL184891472-MW-26A	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-26A
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=MW-26A&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=MW-26A		

X152
SW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000000077**

Well ID:	SLT43129127-MW-51UG	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-51UG
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SLT43129127&assigned_name=MW-51UG&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SLT43129127&assigned_name=MW-51UG		

X153
SW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000098157**

Well ID:	SLT43129127-MW-51LG	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-51LG
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SLT43129127&assigned_name=MW-51LG&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SLT43129127&assigned_name=MW-51LG		

W154
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000114278**

Well ID:	SL184891472-P-7D	Well Type:	MONITORING
Source:	EDF	Other Name:	P-7D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=P-7D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=P-7D		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

W155
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000109635**

Well ID:	SL184891472-MW-22	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-22
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=MW-22&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=MW-22		

AD156
SW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000134527**

Well ID:	SL372402433-WD-5M	Well Type:	MONITORING
Source:	EDF	Other Name:	WD-5M
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372402433&assigned_name=WD-5M&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372402433&assigned_name=WD-5M		

AD157
SW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000010202**

Well ID:	SL372402433-WD-5U	Well Type:	MONITORING
Source:	EDF	Other Name:	WD-5U
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372402433&assigned_name=WD-5U&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372402433&assigned_name=WD-5U		

W158
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000129415**

Well ID:	SL184891472-MW-20	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-20
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=MW-20&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=MW-20		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AA159
ESE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000033987**

Well ID:	T0603799305-MW-8	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-8
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603799305&assigned_name=MW-8&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603799305&assigned_name=MW-8		

AD160
SW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000004440**

Well ID:	SLT43129127-MW-6B	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6B
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SLT43129127&assigned_name=MW-6B&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SLT43129127&assigned_name=MW-6B		

AA161
SE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000083202**

Well ID:	T0603799305-MW-9	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-9
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603799305&assigned_name=MW-9&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603799305&assigned_name=MW-9		

AD162
SW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000042730**

Well ID:	SLT43129127-MW-6C	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6C
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SLT43129127&assigned_name=MW-6C&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SLT43129127&assigned_name=MW-6C		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AA163
ESE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000118311**

Well ID:	T0603799305-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603799305&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603799305&assigned_name=MW-1		

W164
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000021982**

Well ID:	SL184891472-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=MW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=MW-6		

AA165
ESE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000119504**

Well ID:	T0603799305-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603799305&assigned_name=MW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603799305&assigned_name=MW-6		

AE166
North
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000024666**

Well ID:	04S13W15K001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W15K001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W15K001S&store_num=		
GeoTracker Data:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AE167
North
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000021186**

Well ID:	04S13W15K003S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W15K003S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W15K003S&store_num=		
GeoTracker Data:	Not Reported		

AA168
SE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000065146**

Well ID:	T0603799305-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603799305&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603799305&assigned_name=MW-4		

AA169
SE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000046509**

Well ID:	T0603799305-MW-11	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-11
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603799305&assigned_name=MW-11&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603799305&assigned_name=MW-11		

W170
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000140346**

Well ID:	SL184891472-MW-19	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-19
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=MW-19&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=MW-19		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

W171
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000128168**

Well ID:	SL184891472-MW-21	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-21
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=MW-21&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=MW-21		

AC172
WSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000003565**

Well ID:	SL372402433-MW-26	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-26
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372402433&assigned_name=MW-26&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372402433&assigned_name=MW-26		

AA173
SE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000053270**

Well ID:	T0603799305-MW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603799305&assigned_name=MW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603799305&assigned_name=MW-5		

AA174
SE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000000788**

Well ID:	T0603799305-AS/VE-1	Well Type:	MONITORING
Source:	EDF	Other Name:	AS/VE-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603799305&assigned_name=AS/VE-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603799305&assigned_name=AS/VE-1		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

175
WSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000067502**

Well ID:	SL372402433-MW-23	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-23
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372402433&assigned_name=MW-23&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372402433&assigned_name=MW-23		

W176
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000072713**

Well ID:	SL184891472-P-8S	Well Type:	MONITORING
Source:	EDF	Other Name:	P-8S
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=P-8S&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=P-8S		

AF177
West
1/2 - 1 Mile
Higher

FED USGS **USGS40000138380**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	004S013W21J002S	Type:	Well
Description:	Not Reported	HUC:	18070104
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	800
Well Depth Units:	ft	Well Hole Depth:	800
Well Hole Depth Units:	ft		

W178
SSE
1/2 - 1 Mile
Lower

CA WELLS **CADWR0000031740**

Well ID:	04S13W27A002S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W27A002S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W27A002S&store_num=		
GeoTracker Data:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

W179
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000105301**

Well ID:	SL184891472-MW-15	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-15
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=MW-15&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=MW-15		

W180
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000110085**

Well ID:	SL184891472-P-1D	Well Type:	MONITORING
Source:	EDF	Other Name:	P-1D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=P-1D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=P-1D		

W181
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000065217**

Well ID:	SL184891472-P-1S	Well Type:	MONITORING
Source:	EDF	Other Name:	P-1S
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=P-1S&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=P-1S		

W182
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000140117**

Well ID:	SL184891472-P-9S	Well Type:	MONITORING
Source:	EDF	Other Name:	P-9S
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=P-9S&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=P-9S		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AG183
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000141866**

Well ID:	SL184891472-P-5S	Well Type:	MONITORING
Source:	EDF	Other Name:	P-5S
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=P-5S&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=P-5S		

W184
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000043945**

Well ID:	SL184891472-MW-18	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-18
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=MW-18&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=MW-18		

W185
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000134680**

Well ID:	SL184891472-P-6D	Well Type:	MONITORING
Source:	EDF	Other Name:	P-6D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=P-6D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=P-6D		

W186
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000117537**

Well ID:	SL184891472-P-6S	Well Type:	MONITORING
Source:	EDF	Other Name:	P-6S
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=P-6S&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=P-6S		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AA187
ESE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000125088**

Well ID:	T0603799305-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603799305&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603799305&assigned_name=MW-2		

AA188
ESE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000137922**

Well ID:	T0603799305-AS/VE-3	Well Type:	MONITORING
Source:	EDF	Other Name:	AS/VE-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603799305&assigned_name=AS/VE-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603799305&assigned_name=AS/VE-3		

W189
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000042485**

Well ID:	SL184891472-MW-23B	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-23B
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=MW-23B&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=MW-23B		

W190
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000046833**

Well ID:	SL184891472-MW-23A	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-23A
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=MW-23A&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=MW-23A		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

W191
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000007175**

Well ID:	SL184891472-P-10S	Well Type:	MONITORING
Source:	EDF	Other Name:	P-10S
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=P-10S&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=P-10S		

W192
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000005801**

Well ID:	SL184891472-MW-7	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=MW-7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=MW-7		

193
SW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000032153**

Well ID:	SLT43129127-MW-77	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-77
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SLT43129127&assigned_name=MW-77&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SLT43129127&assigned_name=MW-77		

AA194
SE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000020346**

Well ID:	T0603799305-AS/VE-2	Well Type:	MONITORING
Source:	EDF	Other Name:	AS/VE-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603799305&assigned_name=AS/VE-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603799305&assigned_name=AS/VE-2		

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
AA195 **SE** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAEDF0000053377**

Well ID:	T0603799305-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603799305&assigned_name=MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603799305&assigned_name=MW-3		

	Database	EDR ID Number
AH196 **SW** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000011670**

Well ID:	SLT43129127-MW-62	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-62
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SLT43129127&assigned_name=MW-62&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SLT43129127&assigned_name=MW-62		

	Database	EDR ID Number
AG197 **SSE** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAEDF0000063232**

Well ID:	SL184891472-MW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=MW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=MW-5		

	Database	EDR ID Number
AG198 **SSE** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAEDF0000077568**

Well ID:	SL184891472-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=MW-4		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

199
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000096912**

Well ID:	SLT43129127-MW-75	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-75
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SLT43129127&assigned_name=MW-75&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SLT43129127&assigned_name=MW-75		

AG200
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000076671**

Well ID:	SL184891472-P-11S	Well Type:	MONITORING
Source:	EDF	Other Name:	P-11S
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=P-11S&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=P-11S		

AI201
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000097092**

Well ID:	SL184891472-P-13D	Well Type:	MONITORING
Source:	EDF	Other Name:	P-13D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=P-13D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=P-13D		

AI202
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000014007**

Well ID:	SL184891472-P-13S	Well Type:	MONITORING
Source:	EDF	Other Name:	P-13S
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=P-13S&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=P-13S		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AG203
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000015867**

Well ID:	SL184891472-MW-17	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-17
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=MW-17&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=MW-17		

AG204
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000047655**

Well ID:	SL184891472-MW-8	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-8
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=MW-8&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=MW-8		

AA205
SE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000007653**

Well ID:	T0603799305-MW-10	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-10
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603799305&assigned_name=MW-10&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603799305&assigned_name=MW-10		

AJ206
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000136314**

Well ID:	WDR100000664-MW-21C	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-21C
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100000664&assigned_name=MW-21C&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100000664&assigned_name=MW-21C		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AK207
ESE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000057081**

Well ID:	T0603701912-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603701912&assigned_name=MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603701912&assigned_name=MW-3		

AK208
ESE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000017497**

Well ID:	T0603701912-MW-9	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-9
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603701912&assigned_name=MW-9&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603701912&assigned_name=MW-9		

AG209
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000074729**

Well ID:	SL184891472-MW-9	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-9
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=MW-9&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=MW-9		

AG210
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000022076**

Well ID:	SL184891472-MW-10	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-10
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=MW-10&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=MW-10		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

211
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000113524**

Well ID:	SL372412434-ANE-521-D	Well Type:	MONITORING
Source:	EDF	Other Name:	ANE-521-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=ANE-521-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=ANE-521-D		

AF212
West
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000078998**

Well ID:	SL372412434-AMR-WS-10	Well Type:	MONITORING
Source:	EDF	Other Name:	AMR-WS-10
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=AMR-WS-10&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=AMR-WS-10		

AK213
ESE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000001818**

Well ID:	T0603701912-MW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603701912&assigned_name=MW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603701912&assigned_name=MW-5		

AL214
WNW
1/2 - 1 Mile
Lower

CA WELLS **CAUSGSN00008899**

Well ID:	USGS-334848118142301	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-334848118142301	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334848118142301&store_num=		
GeoTracker Data:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AD215
SW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000080242**

Well ID:	SL372402433-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372402433&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372402433&assigned_name=MW-2		

AK216
ESE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000137257**

Well ID:	T0603701912-MW-8	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-8
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603701912&assigned_name=MW-8&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603701912&assigned_name=MW-8		

AG217
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000014486**

Well ID:	SL184891472-P-12S	Well Type:	MONITORING
Source:	EDF	Other Name:	P-12S
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=P-12S&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=P-12S		

AJ218
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000036969**

Well ID:	WDR100000664-MW-21B	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-21B
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100000664&assigned_name=MW-21B&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100000664&assigned_name=MW-21B		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AJ219
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000125309**

Well ID:	WDR100000664-MW-21A	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-21A
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100000664&assigned_name=MW-21A&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100000664&assigned_name=MW-21A		

AL220
WNW
1/2 - 1 Mile
Lower

FED USGS **USGS40000138391**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	004S013W21H007S	Type:	Well
Description:	Not Reported	HUC:	18070104
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19691020	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	745
Well Hole Depth Units:	ft		

AL221
West
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000009531**

Well ID:	SL372412434-AMR-WS-08	Well Type:	MONITORING
Source:	EDF	Other Name:	AMR-WS-08
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=AMR-WS-08&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=AMR-WS-08		

AK222
ESE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000042841**

Well ID:	T0603701912-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603701912&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603701912&assigned_name=MW-1		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AF223
West
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000007963**

Well ID:	04S13W21H002S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W21H002S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W21H002S&store_num=		
GeoTracker Data:	Not Reported		

AF224
West
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000021911**

Well ID:	04S13W21H003S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W21H003S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W21H003S&store_num=		
GeoTracker Data:	Not Reported		

AF225
West
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000008381**

Well ID:	04S13W21H001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W21H001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W21H001S&store_num=		
GeoTracker Data:	Not Reported		

AF226
West
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000010190**

Well ID:	04S13W21H005S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W21H005S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W21H005S&store_num=		
GeoTracker Data:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AF227
West
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000010358**

Well ID:	04S13W21H004S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W21H004S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W21H004S&store_num=		
GeoTracker Data:	Not Reported		

AF228
West
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000028203**

Well ID:	04S13W21H006S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W21H006S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W21H006S&store_num=		
GeoTracker Data:	Not Reported		

AF229
West
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000022323**

Well ID:	04S13W21H007S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W21H007S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W21H007S&store_num=		
GeoTracker Data:	Not Reported		

AG230
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000060662**

Well ID:	SL184891472-MW-16	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-16
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=MW-16&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=MW-16		

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
AI231 **SSE** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAEDF0000073837**

Well ID:	SL184891472-P-14S	Well Type:	MONITORING
Source:	EDF	Other Name:	P-14S
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=P-14S&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=P-14S		

AM232 **NNW** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000036727**

Well ID:	SL372412434-ANE-035-S	Well Type:	MONITORING
Source:	EDF	Other Name:	ANE-035-S
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=ANE-035-S&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=ANE-035-S		

AM233 **NNW** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000065507**

Well ID:	WDR100000664-AW-35D	Well Type:	MONITORING
Source:	EDF	Other Name:	AW-35D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100000664&assigned_name=AW-35D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100000664&assigned_name=AW-35D		

AM234 **NNW** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000102537**

Well ID:	SL372412434-ANE-035-D	Well Type:	MONITORING
Source:	EDF	Other Name:	ANE-035-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=ANE-035-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=ANE-035-D		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AG235
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000035282**

Well ID:	SL184891472-MW-24A	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-24A
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=MW-24A&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=MW-24A		

AG236
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000090352**

Well ID:	SL184891472-MW-24B	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-24B
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=MW-24B&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=MW-24B		

AK237
SE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000121346**

Well ID:	T0603701903-MW10	Well Type:	MONITORING
Source:	EDF	Other Name:	MW10
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603701903&assigned_name=MW10&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603701903&assigned_name=MW10		

AK238
ESE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000112323**

Well ID:	T0603701912-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603701912&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603701912&assigned_name=MW-4		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AH239
SW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000032593**

Well ID:	SLT43129127-MW-76	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-76
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SLT43129127&assigned_name=MW-76&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SLT43129127&assigned_name=MW-76		

AK240
ESE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000071949**

Well ID:	T0603701912-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603701912&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603701912&assigned_name=MW-2		

AI241
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000018725**

Well ID:	SL184891472-P-14D	Well Type:	MONITORING
Source:	EDF	Other Name:	P-14D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=P-14D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=P-14D		

AK242
SE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000072633**

Well ID:	T0603701903-MW15	Well Type:	MONITORING
Source:	EDF	Other Name:	MW15
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603701903&assigned_name=MW15&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603701903&assigned_name=MW15		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AK243
SE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000111562**

Well ID:	T0603701903-MW7	Well Type:	MONITORING
Source:	EDF	Other Name:	MW7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603701903&assigned_name=MW7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603701903&assigned_name=MW7		

AH244
SW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000038350**

Well ID:	SLT43129127-MW-73ML	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-73ML
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SLT43129127&assigned_name=MW-73ML&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SLT43129127&assigned_name=MW-73ML		

AH245
SW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000077730**

Well ID:	SLT43129127-MW-73LG	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-73LG
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SLT43129127&assigned_name=MW-73LG&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SLT43129127&assigned_name=MW-73LG		

AH246
SW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000079614**

Well ID:	SLT43129127-MW-73UG	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-73UG
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SLT43129127&assigned_name=MW-73UG&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SLT43129127&assigned_name=MW-73UG		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AK247
SE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000065091**

Well ID:	T0603701903-MW12	Well Type:	MONITORING
Source:	EDF	Other Name:	MW12
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603701903&assigned_name=MW12&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603701903&assigned_name=MW12		

AG248
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000087870**

Well ID:	SL184891472-MW-11	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-11
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=MW-11&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=MW-11		

AK249
SE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000063022**

Well ID:	T0603701903-MW14	Well Type:	MONITORING
Source:	EDF	Other Name:	MW14
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603701903&assigned_name=MW14&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603701903&assigned_name=MW14		

AK250
SE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000091123**

Well ID:	T0603701903-MW13	Well Type:	MONITORING
Source:	EDF	Other Name:	MW13
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603701903&assigned_name=MW13&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603701903&assigned_name=MW13		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AK251
SE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000013454**

Well ID:	T0603701903-MW17	Well Type:	MONITORING
Source:	EDF	Other Name:	MW17
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603701903&assigned_name=MW17&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603701903&assigned_name=MW17		

AK252
SE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000036718**

Well ID:	T0603701903-MW2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603701903&assigned_name=MW2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603701903&assigned_name=MW2		

AK253
ESE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000015659**

Well ID:	T0603701903-MW5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603701903&assigned_name=MW5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603701903&assigned_name=MW5		

AK254
ESE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000044603**

Well ID:	T0603701903-MW8	Well Type:	MONITORING
Source:	EDF	Other Name:	MW8
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603701903&assigned_name=MW8&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603701903&assigned_name=MW8		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AI255
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000086059**

Well ID:	SL184891472-P-15S	Well Type:	MONITORING
Source:	EDF	Other Name:	P-15S
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=P-15S&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=P-15S		

AK256
ESE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000072489**

Well ID:	T0603701903-MW9	Well Type:	MONITORING
Source:	EDF	Other Name:	MW9
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603701903&assigned_name=MW9&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603701903&assigned_name=MW9		

AK257
SE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000125155**

Well ID:	T0603701903-MW11	Well Type:	MONITORING
Source:	EDF	Other Name:	MW11
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603701903&assigned_name=MW11&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603701903&assigned_name=MW11		

AK258
SE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000067084**

Well ID:	T0603701903-MW6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603701903&assigned_name=MW6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603701903&assigned_name=MW6		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AK259
SE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000043237**

Well ID:	T0603701903-MW16	Well Type:	MONITORING
Source:	EDF	Other Name:	MW16
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603701903&assigned_name=MW16&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603701903&assigned_name=MW16		

AH260
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000045436**

Well ID:	SL372432436-H-61	Well Type:	MONITORING
Source:	EDF	Other Name:	H-61
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372432436&assigned_name=H-61&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372432436&assigned_name=H-61		

AI261
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000126801**

Well ID:	SL184891472-P-15D	Well Type:	MONITORING
Source:	EDF	Other Name:	P-15D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=P-15D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=P-15D		

AJ262
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000141953**

Well ID:	SL372412434-ANE-100-D	Well Type:	MONITORING
Source:	EDF	Other Name:	ANE-100-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=ANE-100-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=ANE-100-D		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AM263
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000033449**

Well ID:	SL372412434-ANE-097-D	Well Type:	MONITORING
Source:	EDF	Other Name:	ANE-097-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=ANE-097-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=ANE-097-D		

AH264
SSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000125689**

Well ID:	SL372432436-H-61R	Well Type:	MONITORING
Source:	EDF	Other Name:	H-61R
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372432436&assigned_name=H-61R&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372432436&assigned_name=H-61R		

AJ265
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000012090**

Well ID:	SL372412434-ANE-095-D	Well Type:	MONITORING
Source:	EDF	Other Name:	ANE-095-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=ANE-095-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=ANE-095-D		

266
WSW
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000012488**

Well ID:	04S13W21J002S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W21J002S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W21J002S&store_num=		
GeoTracker Data:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

267
WSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000124155**

Well ID:	SL372402433-MW-25	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-25
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372402433&assigned_name=MW-25&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372402433&assigned_name=MW-25		

AN268
WNW
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000013670**

Well ID:	04S13W21A001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W21A001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W21A001S&store_num=		
GeoTracker Data:	Not Reported		

AJ269
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000128250**

Well ID:	SL372412434-ANE-098-D	Well Type:	MONITORING
Source:	EDF	Other Name:	ANE-098-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=ANE-098-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=ANE-098-D		

AG270
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000088220**

Well ID:	SL184891472-MW-12	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-12
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184891472&assigned_name=MW-12&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184891472&assigned_name=MW-12		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AM271
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000039147**

Well ID:	WDR100000664-MW-17C	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-17C
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100000664&assigned_name=MW-17C&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100000664&assigned_name=MW-17C		

AO272
SW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000108503**

Well ID:	SLT43129127-MW-53MG	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-53MG
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SLT43129127&assigned_name=MW-53MG&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SLT43129127&assigned_name=MW-53MG		

AO273
SW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000089562**

Well ID:	SLT43129127-MW-53LG	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-53LG
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SLT43129127&assigned_name=MW-53LG&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SLT43129127&assigned_name=MW-53LG		

AO274
SW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000032730**

Well ID:	SLT43129127-MW-53UG	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-53UG
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SLT43129127&assigned_name=MW-53UG&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SLT43129127&assigned_name=MW-53UG		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AP275
WSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000029923**

Well ID:	SL372402433-MW-30	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-30
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372402433&assigned_name=MW-30&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372402433&assigned_name=MW-30		

AQ276
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000016331**

Well ID:	WDR100000664-MW-5A	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5A
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100000664&assigned_name=MW-5A&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100000664&assigned_name=MW-5A		

AR277
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000056362**

Well ID:	WDR100000664-GMW-7	Well Type:	MONITORING
Source:	EDF	Other Name:	GMW-7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100000664&assigned_name=GMW-7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100000664&assigned_name=GMW-7		

AS278
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000046612**

Well ID:	SL372412434-ANE-519-D	Well Type:	MONITORING
Source:	EDF	Other Name:	ANE-519-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=ANE-519-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=ANE-519-D		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AR279
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000031834**

Well ID:	WDR100000664-MW-23C	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-23C
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100000664&assigned_name=MW-23C&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100000664&assigned_name=MW-23C		

AR280
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000135624**

Well ID:	WDR100000664-MW-23B	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-23B
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100000664&assigned_name=MW-23B&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100000664&assigned_name=MW-23B		

AT281
ESE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000143352**

Well ID:	T0603701911-MW-17	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-17
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603701911&assigned_name=MW-17&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603701911&assigned_name=MW-17		

AO282
SW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000051777**

Well ID:	SL372432436-H-30R	Well Type:	MONITORING
Source:	EDF	Other Name:	H-30R
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372432436&assigned_name=H-30R&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372432436&assigned_name=H-30R		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AP283
WSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000049919**

Well ID:	SL372402433-MW-31	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-31
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372402433&assigned_name=MW-31&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372402433&assigned_name=MW-31		

AU284
WNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000076703**

Well ID:	SL372412434-AMR-517-D	Well Type:	MONITORING
Source:	EDF	Other Name:	AMR-517-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=AMR-517-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=AMR-517-D		

AV285
SW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000047117**

Well ID:	SL372402433-MW-22	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-22
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372402433&assigned_name=MW-22&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372402433&assigned_name=MW-22		

AV286
SW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000016912**

Well ID:	SL372402433-WD-2	Well Type:	MONITORING
Source:	EDF	Other Name:	WD-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372402433&assigned_name=WD-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372402433&assigned_name=WD-2		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AO287
SW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000141838**

Well ID:	SL372402433-WD-4L	Well Type:	MONITORING
Source:	EDF	Other Name:	WD-4L
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372402433&assigned_name=WD-4L&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372402433&assigned_name=WD-4L		

AO288
SW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000096791**

Well ID:	SL372402433-WD-4M	Well Type:	MONITORING
Source:	EDF	Other Name:	WD-4M
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372402433&assigned_name=WD-4M&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372402433&assigned_name=WD-4M		

AO289
SW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000038277**

Well ID:	SL372402433-WD-4U	Well Type:	MONITORING
Source:	EDF	Other Name:	WD-4U
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372402433&assigned_name=WD-4U&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372402433&assigned_name=WD-4U		

AW290
SW
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000031097**

Well ID:	04S13W27D006S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W27D006S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W27D006S&store_num=		
GeoTracker Data:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AO291
SW
1/2 - 1 Mile
Higher | **CA WELLS** | **CAEDF0000048482**

Well ID:	SL372432436-H-24R	Well Type:	MONITORING
Source:	EDF	Other Name:	H-24R
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372432436&assigned_name=H-24R&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372432436&assigned_name=H-24R		

292
ENE
1/2 - 1 Mile
Higher | **FED USGS** | **USGS40000138415**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	004S013W23B002S	Type:	Well
Description:	Not Reported	HUC:	18070104
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	1068
Well Depth Units:	ft	Well Hole Depth:	1068
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	1580	Level reading date:	1987-08-28
Feet below surface:	94.58	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	1987-07-24	Feet below surface:	97.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-06-23	Feet below surface:	95.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-06-01	Feet below surface:	92.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-05-01	Feet below surface:	94.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-04-03	Feet below surface:	94.88
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-02-27	Feet below surface:	93.09
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-02-02	Feet below surface:	93.01
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-12-26	Feet below surface:	89.08
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1986-12-01	Feet below surface:	92.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-10-27	Feet below surface:	94.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-09-26	Feet below surface:	95.88
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-09-02	Feet below surface:	97.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-07-25	Feet below surface:	98.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-07-07	Feet below surface:	99.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-05-29	Feet below surface:	94.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-04-25	Feet below surface:	94.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-04-01	Feet below surface:	93.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-03-03	Feet below surface:	91.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-01-31	Feet below surface:	94.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-12-27	Feet below surface:	99.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-11-22	Feet below surface:	95.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-10-25	Feet below surface:	97.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-09-27	Feet below surface:	99.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-08-30	Feet below surface:	99.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-07-26	Feet below surface:	98.88
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-06-28	Feet below surface:	99.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-05-27	Feet below surface:	96.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-04-26	Feet below surface:	94.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-03-29	Feet below surface:	90.48
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1985-03-01	Feet below surface:	89.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-01-25	Feet below surface:	93.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-12-20	Feet below surface:	100.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-11-20	Feet below surface:	100.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-10-22	Feet below surface:	103.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-09-20	Feet below surface:	103.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-08-20	Feet below surface:	100.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-07-23	Feet below surface:	101.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-06-20	Feet below surface:	100.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-05-21	Feet below surface:	101.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-04-23	Feet below surface:	108.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-03-26	Feet below surface:	107.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-02-24	Feet below surface:	103.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-01-30	Feet below surface:	102.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-12-30	Feet below surface:	101.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-11-23	Feet below surface:	102.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-09-29	Feet below surface:	105.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-08-29	Feet below surface:	108.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-08-01	Feet below surface:	107.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-07-01	Feet below surface:	106.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-06-28	Feet below surface:	102.88
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1983-05-23	Feet below surface:	104.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-04-29	Feet below surface:	103.88
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-03-29	Feet below surface:	100.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-03-05	Feet below surface:	100.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-01-26	Feet below surface:	104.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-01-10	Feet below surface:	103.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-12-03	Feet below surface:	103.88
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-11-02	Feet below surface:	106.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-09-30	Feet below surface:	108.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-08-23	Feet below surface:	108.88
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-07-13	Feet below surface:	107.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-06-08	Feet below surface:	109.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-04-28	Feet below surface:	107.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-04-06	Feet below surface:	106.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-02-24	Feet below surface:	108.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-01-25	Feet below surface:	107.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-01-04	Feet below surface:	105.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-11-30	Feet below surface:	104.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-10-29	Feet below surface:	110.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-09-23	Feet below surface:	108.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-08-24	Feet below surface:	110.18
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1981-08-03	Feet below surface:	108.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-06-22	Feet below surface:	106.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-05-21	Feet below surface:	107.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-04-29	Feet below surface:	109.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-03-25	Feet below surface:	109.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-03-03	Feet below surface:	108.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-01-20	Feet below surface:	110.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-12-23	Feet below surface:	110.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-11-26	Feet below surface:	108.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-10-21	Feet below surface:	109.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-09-23	Feet below surface:	117.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-08-20	Feet below surface:	116.88
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-07-22	Feet below surface:	112.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-06-20	Feet below surface:	105.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-05-20	Feet below surface:	107.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-04-18	Feet below surface:	110.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-03-21	Feet below surface:	109.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-02-25	Feet below surface:	109.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-01-21	Feet below surface:	111.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-12-20	Feet below surface:	111.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-11-26	Feet below surface:	110.88
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1979-09-27	Feet below surface:	112.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-08-24	Feet below surface:	114.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-07-26	Feet below surface:	112.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-06-18	Feet below surface:	116.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-05-18	Feet below surface:	110.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-04-25	Feet below surface:	111.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-02-20	Feet below surface:	119.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-01-18	Feet below surface:	114.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-12-21	Feet below surface:	121.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-11-28	Feet below surface:	116.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-10-20	Feet below surface:	115.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-09-20	Feet below surface:	115.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-08-23	Feet below surface:	118.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-07-19	Feet below surface:	117.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-06-21	Feet below surface:	115.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-05-17	Feet below surface:	115.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-04-26	Feet below surface:	115.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-03-22	Feet below surface:	114.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-02-22	Feet below surface:	112.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-01-18	Feet below surface:	116.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-12-28	Feet below surface:	117.58
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1977-11-16	Feet below surface:	122.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-09-21	Feet below surface:	120.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-08-10	Feet below surface:	123.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-07-13	Feet below surface:	124.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-06-08	Feet below surface:	122.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-05-18	Feet below surface:	119.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-04-20	Feet below surface:	120.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-03-15	Feet below surface:	115.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-02-16	Feet below surface:	117.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-01-19	Feet below surface:	116.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-12-22	Feet below surface:	117.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-11-17	Feet below surface:	118.23
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-10-20	Feet below surface:	129.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-09-22	Feet below surface:	121.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-08-25	Feet below surface:	122.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-07-21	Feet below surface:	122.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-06-23	Feet below surface:	122.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-05-19	Feet below surface:	123.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-04-21	Feet below surface:	123.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-03-17	Feet below surface:	122.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-02-18	Feet below surface:	121.28
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1976-01-21	Feet below surface:	120.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-12-17	Feet below surface:	119.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-11-19	Feet below surface:	121.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-10-22	Feet below surface:	124.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-09-17	Feet below surface:	125.33
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-08-20	Feet below surface:	124.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-07-29	Feet below surface:	124.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-06-18	Feet below surface:	118.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-05-21	Feet below surface:	114.73
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-04-23	Feet below surface:	118.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-03-25	Feet below surface:	114.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-03-19	Feet below surface:	115.63
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-02-20	Feet below surface:	119.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-01-22	Feet below surface:	121.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-12-18	Feet below surface:	122.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-11-20	Feet below surface:	123.88
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-10-23	Feet below surface:	121.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-09-18	Feet below surface:	123.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-08-21	Feet below surface:	124.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-07-19	Feet below surface:	123.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-06-19	Feet below surface:	122.68
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1974-05-22	Feet below surface:	122.13
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-04-19	Feet below surface:	119.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-03-20	Feet below surface:	116.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-02-20	Feet below surface:	119.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-01-23	Feet below surface:	117.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-12-19	Feet below surface:	122.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-11-21	Feet below surface:	121.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-10-17	Feet below surface:	125.53
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-09-19	Feet below surface:	126.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-08-22	Feet below surface:	129.03
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-07-18	Feet below surface:	128.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-06-20	Feet below surface:	127.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-05-23	Feet below surface:	125.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-04-25	Feet below surface:	123.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-03-21	Feet below surface:	120.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-02-21	Feet below surface:	119.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-01-24	Feet below surface:	120.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-12-21	Feet below surface:	121.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-11-22	Feet below surface:	121.03
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-10-18	Feet below surface:	126.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-09-20	Feet below surface:	128.88
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1972-08-23	Feet below surface:	130.93
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-07-21	Feet below surface:	127.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-06-21	Feet below surface:	126.43
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-05-24	Feet below surface:	124.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-04-26	Feet below surface:	123.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-03-22	Feet below surface:	121.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-02-28	Feet below surface:	123.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-01-26	Feet below surface:	123.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-12-29	Feet below surface:	122.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-11-17	Feet below surface:	122.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-10-27	Feet below surface:	123.63
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-09-22	Feet below surface:	122.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-08-25	Feet below surface:	128.03
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-07-21	Feet below surface:	125.88
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-06-23	Feet below surface:	119.73
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-05-19	Feet below surface:	121.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-04-21	Feet below surface:	121.23
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-03-24	Feet below surface:	119.83
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-02-24	Feet below surface:	115.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-01-20	Feet below surface:	119.73
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-12-28	Feet below surface:	116.33
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1970-11-23	Feet below surface:	117.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-10-26	Feet below surface:	119.53
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-09-21	Feet below surface:	124.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-08-24	Feet below surface:	123.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-07-27	Feet below surface:	125.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-06-22	Feet below surface:	123.43
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-05-25	Feet below surface:	123.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-04-20	Feet below surface:	122.53
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-03-23	Feet below surface:	120.23
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-02-23	Feet below surface:	120.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-01-26	Feet below surface:	123.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-12-22	Feet below surface:	123.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-11-24	Feet below surface:	123.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-10-27	Feet below surface:	123.03
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-09-22	Feet below surface:	125.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-08-25	Feet below surface:	124.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-07-28	Feet below surface:	126.13
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-06-23	Feet below surface:	125.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-05-26	Feet below surface:	124.53
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-04-21	Feet below surface:	119.88
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-03-24	Feet below surface:	119.73
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1969-02-24	Feet below surface:	118.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-01-20	Feet below surface:	117.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-12-16	Feet below surface:	119.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-11-25	Feet below surface:	117.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-10-21	Feet below surface:	118.35
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-09-23	Feet below surface:	121.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-08-19	Feet below surface:	124.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-07-22	Feet below surface:	125.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-06-24	Feet below surface:	126.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-05-20	Feet below surface:	121.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-04-22	Feet below surface:	119.65
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-03-25	Feet below surface:	115.15
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-02-19	Feet below surface:	115.35
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-01-22	Feet below surface:	120.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-12-26	Feet below surface:	120.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-11-27	Feet below surface:	119.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-10-30	Feet below surface:	118.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-09-25	Feet below surface:	118.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-08-28	Feet below surface:	121.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-07-24	Feet below surface:	119.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-06-26	Feet below surface:	119.15
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1967-05-29	Feet below surface:	120.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-04-24	Feet below surface:	120.53
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-03-27	Feet below surface:	119.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-02-20	Feet below surface:	116.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-01-23	Feet below surface:	117.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-12-26	Feet below surface:	118.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-11-28	Feet below surface:	116.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-10-24	Feet below surface:	119.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-09-26	Feet below surface:	118.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-08-22	Feet below surface:	118.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-07-25	Feet below surface:	118.76
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-06-30	Feet below surface:	113.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-05-30	Feet below surface:	117.05
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-04-25	Feet below surface:	118.87
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-03-28	Feet below surface:	117.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-02-28	Feet below surface:	115.35
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-01-31	Feet below surface:	114.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-12-27	Feet below surface:	114.57
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-11-29	Feet below surface:	117.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-10-25	Feet below surface:	120.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-09-27	Feet below surface:	121.50
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1965-08-30	Feet below surface:	124.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-07-27	Feet below surface:	122.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-06-28	Feet below surface:	119.47
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-05-24	Feet below surface:	118.07
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-04-26	Feet below surface:	116.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-03-29	Feet below surface:	116.05
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-02-22	Feet below surface:	117.63
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-01-25	Feet below surface:	112.43
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-12-30	Feet below surface:	109.56
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-11-30	Feet below surface:	111.09
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-10-26	Feet below surface:	112.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-09-28	Feet below surface:	117.35
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-08-31	Feet below surface:	118.23
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-07-27	Feet below surface:	120.05
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-06-29	Feet below surface:	117.15
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-05-25	Feet below surface:	116.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-04-27	Feet below surface:	110.47
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-03-30	Feet below surface:	108.55
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-02-24	Feet below surface:	104.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-01-27	Feet below surface:	111.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-12-30	Feet below surface:	113.10
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1963-11-25	Feet below surface:	111.37
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-10-28	Feet below surface:	113.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-09-23	Feet below surface:	115.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-08-26	Feet below surface:	116.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-07-29	Feet below surface:	115.02
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-06-24	Feet below surface:	112.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-05-27	Feet below surface:	110.84
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-04-29	Feet below surface:	110.82
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-03-25	Feet below surface:	112.88
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-02-25	Feet below surface:	109.74
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-01-28	Feet below surface:	107.88
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-12-24	Feet below surface:	111.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-11-26	Feet below surface:	113.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-10-29	Feet below surface:	115.15
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-09-24	Feet below surface:	117.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-08-27	Feet below surface:	119.05
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-07-30	Feet below surface:	118.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-06-25	Feet below surface:	114.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-05-28	Feet below surface:	118.26
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-04-23	Feet below surface:	117.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-03-26	Feet below surface:	111.68
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1962-02-26	Feet below surface:	111.15
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-01-29	Feet below surface:	107.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-12-25	Feet below surface:	112.82
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-11-27	Feet below surface:	115.15
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-10-30	Feet below surface:	116.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-09-25	Feet below surface:	122.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-08-28	Feet below surface:	122.14
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-07-31	Feet below surface:	121.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-06-26	Feet below surface:	120.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-05-29	Feet below surface:	121.16
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-04-24	Feet below surface:	119.35
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-03-27	Feet below surface:	114.97
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-02-27	Feet below surface:	115.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-01-30	Feet below surface:	110.35
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-01-23	Feet below surface:	112.64
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-01-16	Feet below surface:	112.74
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-01-09	Feet below surface:	110.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-01-02	Feet below surface:	109.99
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-12-26	Feet below surface:	109.88
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-12-19	Feet below surface:	108.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-12-12	Feet below surface:	108.24
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1960-12-05	Feet below surface:	108.19
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-11-28	Feet below surface:	106.94
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-11-21	Feet below surface:	107.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-11-14	Feet below surface:	111.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-11-07	Feet below surface:	112.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-10-31	Feet below surface:	114.32
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-10-24	Feet below surface:	113.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-10-17	Feet below surface:	115.57
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-10-10	Feet below surface:	116.33
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-10-03	Feet below surface:	116.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-09-26	Feet below surface:	117.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-09-19	Feet below surface:	117.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-09-12	Feet below surface:	116.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-09-05	Feet below surface:	115.64
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-08-29	Feet below surface:	116.49
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-08-22	Feet below surface:	116.31
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-08-15	Feet below surface:	116.51
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-08-08	Feet below surface:	116.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-08-01	Feet below surface:	116.97
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-07-25	Feet below surface:	117.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-07-18	Feet below surface:	115.64
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1960-07-11	Feet below surface:	114.47
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-07-04	Feet below surface:	114.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-06-27	Feet below surface:	115.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-06-20	Feet below surface:	114.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-06-13	Feet below surface:	115.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-06-06	Feet below surface:	114.65
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-05-30	Feet below surface:	115.97
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-05-23	Feet below surface:	114.91
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-05-16	Feet below surface:	112.74
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-05-09	Feet below surface:	111.92
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-05-02	Feet below surface:	108.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-04-25	Feet below surface:	107.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-04-18	Feet below surface:	107.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-04-11	Feet below surface:	106.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-04-04	Feet below surface:	106.46
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-03-28	Feet below surface:	105.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-03-21	Feet below surface:	105.73
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-03-14	Feet below surface:	105.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-03-07	Feet below surface:	105.32
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-02-29	Feet below surface:	105.62
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-02-22	Feet below surface:	107.68
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1960-02-15	Feet below surface:	102.94
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-02-08	Feet below surface:	103.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-02-01	Feet below surface:	103.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-01-25	Feet below surface:	104.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-01-11	Feet below surface:	107.47
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-01-04	Feet below surface:	108.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-12-28	Feet below surface:	108.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-12-21	Feet below surface:	111.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-12-14	Feet below surface:	111.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-12-07	Feet below surface:	111.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-11-30	Feet below surface:	111.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-11-23	Feet below surface:	111.05
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-11-16	Feet below surface:	111.37
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-11-09	Feet below surface:	111.91
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-11-02	Feet below surface:	111.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-10-26	Feet below surface:	112.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-10-19	Feet below surface:	113.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-10-12	Feet below surface:	114.55
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-10-05	Feet below surface:	115.55
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-09-28	Feet below surface:	117.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-09-21	Feet below surface:	117.82
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1959-09-14	Feet below surface:	119.65
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-09-07	Feet below surface:	119.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-08-31	Feet below surface:	119.42
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-08-24	Feet below surface:	120.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-08-17	Feet below surface:	119.42
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-08-10	Feet below surface:	119.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-08-03	Feet below surface:	119.44
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-07-27	Feet below surface:	116.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-07-20	Feet below surface:	117.45
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-07-13	Feet below surface:	118.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-07-06	Feet below surface:	116.55
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-06-29	Feet below surface:	116.05
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-06-22	Feet below surface:	114.47
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-06-15	Feet below surface:	113.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-06-08	Feet below surface:	112.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-06-01	Feet below surface:	111.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-05-25	Feet below surface:	110.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-05-18	Feet below surface:	109.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-05-11	Feet below surface:	109.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-05-04	Feet below surface:	107.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-04-27	Feet below surface:	107.20
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1959-04-20	Feet below surface:	107.04
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-04-13	Feet below surface:	106.55
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-04-06	Feet below surface:	105.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-03-30	Feet below surface:	104.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-03-23	Feet below surface:	103.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-03-16	Feet below surface:	99.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-03-09	Feet below surface:	99.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-03-02	Feet below surface:	99.52
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-02-23	Feet below surface:	99.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-02-16	Feet below surface:	99.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-02-09	Feet below surface:	101.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-02-02	Feet below surface:	103.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-01-26	Feet below surface:	103.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-01-19	Feet below surface:	104.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-01-12	Feet below surface:	104.55
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-01-05	Feet below surface:	105.65
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-12-29	Feet below surface:	107.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-12-22	Feet below surface:	109.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-12-15	Feet below surface:	111.35
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-12-08	Feet below surface:	109.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-12-01	Feet below surface:	110.80
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1958-11-24	Feet below surface:	113.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-11-17	Feet below surface:	113.45
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-11-10	Feet below surface:	113.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-11-03	Feet below surface:	114.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-10-27	Feet below surface:	112.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-10-20	Feet below surface:	115.53
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-10-13	Feet below surface:	114.65
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-10-06	Feet below surface:	116.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-09-29	Feet below surface:	115.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-09-22	Feet below surface:	115.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-09-15	Feet below surface:	115.96
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-09-08	Feet below surface:	114.32
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-09-01	Feet below surface:	114.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-08-25	Feet below surface:	115.05
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-08-18	Feet below surface:	115.14
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-08-11	Feet below surface:	116.45
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-08-04	Feet below surface:	116.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-07-28	Feet below surface:	116.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-07-21	Feet below surface:	116.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-07-14	Feet below surface:	115.45
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-07-07	Feet below surface:	114.65
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1958-06-30	Feet below surface:	116.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-06-23	Feet below surface:	115.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-06-16	Feet below surface:	114.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-06-09	Feet below surface:	113.03
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-06-02	Feet below surface:	110.62
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-05-26	Feet below surface:	110.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-05-19	Feet below surface:	108.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-05-12	Feet below surface:	109.55
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-05-02	Feet below surface:	111.47
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-04-28	Feet below surface:	111.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-04-21	Feet below surface:	108.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-04-14	Feet below surface:	105.43
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-04-07	Feet below surface:	104.73
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-04-01	Feet below surface:	103.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-03-31	Feet below surface:	103.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-03-24	Feet below surface:	103.43
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-03-17	Feet below surface:	102.55
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-03-10	Feet below surface:	101.35
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-03-03	Feet below surface:	100.35
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-02-24	Feet below surface:	99.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-02-17	Feet below surface:	100.00
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1958-02-10	Feet below surface:	99.15
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-02-03	Feet below surface:	97.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-01-27	Feet below surface:	98.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-01-20	Feet below surface:	99.93
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-01-13	Feet below surface:	98.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-01-06	Feet below surface:	99.45
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-12-30	Feet below surface:	99.37
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-12-23	Feet below surface:	99.96
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-12-16	Feet below surface:	101.43
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-12-09	Feet below surface:	102.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-12-02	Feet below surface:	103.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-11-25	Feet below surface:	105.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-11-18	Feet below surface:	104.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-11-11	Feet below surface:	105.05
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-11-04	Feet below surface:	107.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-10-28	Feet below surface:	109.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-10-21	Feet below surface:	109.27
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-10-14	Feet below surface:	110.35
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-10-07	Feet below surface:	113.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-09-30	Feet below surface:	115.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-09-23	Feet below surface:	116.00
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1957-09-16	Feet below surface:	117.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-09-09	Feet below surface:	118.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-09-02	Feet below surface:	117.99
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-08-26	Feet below surface:	118.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-08-19	Feet below surface:	118.65
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-08-12	Feet below surface:	115.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-08-05	Feet below surface:	115.05
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-07-29	Feet below surface:	113.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-07-22	Feet below surface:	113.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-07-15	Feet below surface:	113.45
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-07-08	Feet below surface:	112.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-07-01	Feet below surface:	114.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-06-24	Feet below surface:	116.02
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-06-17	Feet below surface:	111.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-06-10	Feet below surface:	110.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-06-03	Feet below surface:	110.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-05-27	Feet below surface:	109.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-05-20	Feet below surface:	106.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-05-13	Feet below surface:	105.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-05-06	Feet below surface:	105.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-04-29	Feet below surface:	102.50
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1957-04-22	Feet below surface:	101.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-04-15	Feet below surface:	103.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-04-08	Feet below surface:	106.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-04-01	Feet below surface:	101.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-03-25	Feet below surface:	100.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-03-18	Feet below surface:	100.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-03-11	Feet below surface:	100.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-03-04	Feet below surface:	99.32
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-02-25	Feet below surface:	101.65
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-02-18	Feet below surface:	101.42
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-02-11	Feet below surface:	103.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-02-04	Feet below surface:	103.15
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-01-28	Feet below surface:	102.35
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-01-21	Feet below surface:	101.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-01-14	Feet below surface:	101.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-01-07	Feet below surface:	104.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-12-31	Feet below surface:	106.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-12-24	Feet below surface:	107.45
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-12-17	Feet below surface:	107.15
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-12-10	Feet below surface:	109.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-12-03	Feet below surface:	110.92
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1956-11-26	Feet below surface:	112.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-11-19	Feet below surface:	112.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-11-12	Feet below surface:	116.34
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-11-05	Feet below surface:	112.87
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-10-29	Feet below surface:	113.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-10-22	Feet below surface:	113.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-10-15	Feet below surface:	115.76
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-10-08	Feet below surface:	114.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-10-01	Feet below surface:	116.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-09-24	Feet below surface:	116.66
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-09-17	Feet below surface:	118.04
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-09-10	Feet below surface:	118.37
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-09-03	Feet below surface:	118.02
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-08-27	Feet below surface:	118.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-08-20	Feet below surface:	118.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-08-13	Feet below surface:	116.45
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-08-06	Feet below surface:	116.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-07-30	Feet below surface:	115.27
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-07-23	Feet below surface:	114.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-07-16	Feet below surface:	114.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-07-09	Feet below surface:	114.70
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1956-07-02	Feet below surface:	116.13
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-06-25	Feet below surface:	114.06
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-06-18	Feet below surface:	115.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-06-11	Feet below surface:	112.14
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-06-04	Feet below surface:	111.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-05-28	Feet below surface:	111.45
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-05-21	Feet below surface:	110.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-05-14	Feet below surface:	107.59
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-05-07	Feet below surface:	104.82
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-04-30	Feet below surface:	102.02
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-04-23	Feet below surface:	102.65
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-04-16	Feet below surface:	103.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-04-09	Feet below surface:	106.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-04-02	Feet below surface:	106.15
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-03-26	Feet below surface:	105.67
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-03-19	Feet below surface:	104.47
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-03-12	Feet below surface:	102.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-03-05	Feet below surface:	101.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-02-27	Feet below surface:	102.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-02-20	Feet below surface:	102.67
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-02-13	Feet below surface:	103.60
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1956-02-06	Feet below surface:	103.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-01-30	Feet below surface:	104.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-01-23	Feet below surface:	106.43
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-01-16	Feet below surface:	106.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-01-09	Feet below surface:	105.23
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-01-02	Feet below surface:	106.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-12-26	Feet below surface:	106.87
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-12-19	Feet below surface:	107.62
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-12-12	Feet below surface:	107.87
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-12-05	Feet below surface:	108.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-11-28	Feet below surface:	107.36
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-11-21	Feet below surface:	108.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-11-14	Feet below surface:	111.23
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-11-07	Feet below surface:	112.55
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-10-31	Feet below surface:	112.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-10-24	Feet below surface:	113.57
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-10-17	Feet below surface:	113.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-10-10	Feet below surface:	113.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-10-03	Feet below surface:	112.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-09-26	Feet below surface:	112.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-09-19	Feet below surface:	114.80
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1955-09-12	Feet below surface:	116.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-09-05	Feet below surface:	116.93
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-08-29	Feet below surface:	114.41
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-08-22	Feet below surface:	113.33
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-08-15	Feet below surface:	115.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-08-08	Feet below surface:	115.32
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-08-01	Feet below surface:	115.37
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-07-25	Feet below surface:	116.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-07-18	Feet below surface:	116.46
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-07-11	Feet below surface:	116.43
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-07-04	Feet below surface:	116.04
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-06-27	Feet below surface:	117.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-06-20	Feet below surface:	116.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-06-13	Feet below surface:	117.97
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-06-06	Feet below surface:	119.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-05-30	Feet below surface:	120.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-05-23	Feet below surface:	124.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-05-16	Feet below surface:	119.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-05-09	Feet below surface:	119.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-05-02	Feet below surface:	120.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-04-25	Feet below surface:	120.15
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1955-04-18	Feet below surface:	126.74
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-04-11	Feet below surface:	124.65
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-04-04	Feet below surface:	122.73
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-03-28	Feet below surface:	123.97
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-03-21	Feet below surface:	122.09
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-03-14	Feet below surface:	121.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-03-07	Feet below surface:	120.45
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-02-28	Feet below surface:	120.53
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-02-21	Feet below surface:	120.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-02-14	Feet below surface:	120.19
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-02-07	Feet below surface:	118.83
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-01-31	Feet below surface:	119.05
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-01-24	Feet below surface:	117.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-01-17	Feet below surface:	118.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-01-10	Feet below surface:	118.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-01-03	Feet below surface:	120.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-12-27	Feet below surface:	120.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-12-20	Feet below surface:	119.55
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-12-13	Feet below surface:	117.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-12-06	Feet below surface:	118.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-11-29	Feet below surface:	120.43
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1954-11-22	Feet below surface:	123.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-11-15	Feet below surface:	121.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-11-08	Feet below surface:	124.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-11-01	Feet below surface:	125.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-10-25	Feet below surface:	124.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-10-18	Feet below surface:	123.43
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-10-11	Feet below surface:	121.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-10-04	Feet below surface:	120.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-09-27	Feet below surface:	123.27
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-09-24	Feet below surface:	124.51
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-09-13	Feet below surface:	126.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-09-06	Feet below surface:	127.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-08-30	Feet below surface:	126.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-08-23	Feet below surface:	127.23
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-08-16	Feet below surface:	125.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-08-09	Feet below surface:	124.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-08-02	Feet below surface:	126.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-07-26	Feet below surface:	125.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-07-19	Feet below surface:	126.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-07-12	Feet below surface:	126.54
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-07-05	Feet below surface:	123.12
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1954-06-28	Feet below surface:	122.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-06-21	Feet below surface:	123.76
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-06-14	Feet below surface:	124.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-06-07	Feet below surface:	121.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-05-31	Feet below surface:	120.04
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-05-24	Feet below surface:	119.17
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-05-17	Feet below surface:	118.73
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-05-10	Feet below surface:	120.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-05-03	Feet below surface:	115.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-04-26	Feet below surface:	114.04
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-04-19	Feet below surface:	113.57
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-04-12	Feet below surface:	113.63
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-04-05	Feet below surface:	110.88
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-03-29	Feet below surface:	111.15
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-03-22	Feet below surface:	109.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-03-15	Feet below surface:	113.46
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-03-08	Feet below surface:	112.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-03-01	Feet below surface:	113.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-02-22	Feet below surface:	113.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-02-15	Feet below surface:	113.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-02-01	Feet below surface:	113.60
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1954-01-25	Feet below surface:	112.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-01-18	Feet below surface:	114.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-01-11	Feet below surface:	116.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-01-04	Feet below surface:	116.91
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-12-28	Feet below surface:	117.66
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-12-21	Feet below surface:	119.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-12-14	Feet below surface:	119.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-12-07	Feet below surface:	117.82
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-11-30	Feet below surface:	118.53
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-11-23	Feet below surface:	117.45
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-11-16	Feet below surface:	120.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-11-09	Feet below surface:	123.66
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-11-02	Feet below surface:	125.63
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-10-26	Feet below surface:	125.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-10-19	Feet below surface:	125.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-10-12	Feet below surface:	128.56
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-10-05	Feet below surface:	126.84
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-09-28	Feet below surface:	125.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-09-20	Feet below surface:	126.49
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-09-14	Feet below surface:	128.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-09-07	Feet below surface:	127.25
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1953-08-31	Feet below surface:	127.94
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-08-24	Feet below surface:	127.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-08-17	Feet below surface:	128.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-08-10	Feet below surface:	129.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-08-03	Feet below surface:	130.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-07-27	Feet below surface:	130.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-07-20	Feet below surface:	131.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-07-13	Feet below surface:	130.33
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-07-06	Feet below surface:	127.92
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-06-29	Feet below surface:	126.26
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-06-22	Feet below surface:	124.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-06-15	Feet below surface:	125.63
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-06-08	Feet below surface:	125.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-06-01	Feet below surface:	125.07
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-05-25	Feet below surface:	125.11
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-05-18	Feet below surface:	124.15
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-05-12	Feet below surface:	124.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-05-04	Feet below surface:	120.57
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-04-27	Feet below surface:	119.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-04-20	Feet below surface:	121.53
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-04-13	Feet below surface:	119.90
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1953-04-06	Feet below surface:	119.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-03-30	Feet below surface:	118.79
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-03-24	Feet below surface:	118.67
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-03-16	Feet below surface:	118.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-03-09	Feet below surface:	117.94
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-03-02	Feet below surface:	115.99
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-02-23	Feet below surface:	117.84
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-02-16	Feet below surface:	116.05
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-02-09	Feet below surface:	114.17
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-02-02	Feet below surface:	113.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-01-27	Feet below surface:	111.45
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-01-20	Feet below surface:	131.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-01-13	Feet below surface:	111.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-01-06	Feet below surface:	110.52
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-12-30	Feet below surface:	110.93
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-12-23	Feet below surface:	112.73
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-12-16	Feet below surface:	113.21
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-12-09	Feet below surface:	112.86
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-12-02	Feet below surface:	112.82
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-11-24	Feet below surface:	114.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-11-17	Feet below surface:	116.20
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1952-11-10	Feet below surface:	120.09
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-11-03	Feet below surface:	119.23
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-10-28	Feet below surface:	119.74
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-10-21	Feet below surface:	119.82
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-10-14	Feet below surface:	121.81
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-10-07	Feet below surface:	121.35
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-09-30	Feet below surface:	123.52
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-09-23	Feet below surface:	123.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-09-16	Feet below surface:	124.35
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-09-10	Feet below surface:	125.89
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-09-02	Feet below surface:	124.07
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-08-25	Feet below surface:	122.62
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-08-19	Feet below surface:	120.99
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-08-12	Feet below surface:	120.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-08-05	Feet below surface:	120.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-07-29	Feet below surface:	121.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-07-22	Feet below surface:	118.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-07-15	Feet below surface:	116.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-07-08	Feet below surface:	116.92
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-07-01	Feet below surface:	117.23
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-06-24	Feet below surface:	117.47
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1952-06-17	Feet below surface:	116.39
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-06-10	Feet below surface:	113.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-06-04	Feet below surface:	113.09
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-05-27	Feet below surface:	112.57
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-05-20	Feet below surface:	111.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-05-13	Feet below surface:	109.56
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-05-06	Feet below surface:	106.55
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-04-29	Feet below surface:	102.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-04-22	Feet below surface:	103.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-04-15	Feet below surface:	104.32
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-04-08	Feet below surface:	104.66
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-04-01	Feet below surface:	103.55
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-03-25	Feet below surface:	102.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-03-18	Feet below surface:	101.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-03-11	Feet below surface:	102.79
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-03-04	Feet below surface:	104.64
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-02-26	Feet below surface:	105.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-02-19	Feet below surface:	103.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-02-13	Feet below surface:	101.37
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-02-06	Feet below surface:	103.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-01-29	Feet below surface:	103.20
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1952-01-22	Feet below surface:	102.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-01-15	Feet below surface:	102.62
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-01-08	Feet below surface:	103.19
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-01-02	Feet below surface:	104.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-12-18	Feet below surface:	104.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-12-11	Feet below surface:	106.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-12-04	Feet below surface:	107.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-11-27	Feet below surface:	109.63
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-11-20	Feet below surface:	113.43
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-11-13	Feet below surface:	113.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-11-06	Feet below surface:	114.36
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-10-30	Feet below surface:	112.88
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-10-23	Feet below surface:	114.13
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-10-16	Feet below surface:	114.21
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-10-09	Feet below surface:	116.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-10-02	Feet below surface:	114.76
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-09-25	Feet below surface:	113.03
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-09-18	Feet below surface:	114.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-09-11	Feet below surface:	111.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-09-04	Feet below surface:	114.07
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-08-28	Feet below surface:	113.90
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1951-08-21	Feet below surface:	115.53
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-08-14	Feet below surface:	117.32
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-08-07	Feet below surface:	117.09
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-07-31	Feet below surface:	116.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-07-24	Feet below surface:	115.52
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-07-17	Feet below surface:	116.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-07-10	Feet below surface:	116.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-07-03	Feet below surface:	113.65
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-06-26	Feet below surface:	111.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-06-19	Feet below surface:	112.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-06-12	Feet below surface:	113.02
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-06-05	Feet below surface:	112.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-05-29	Feet below surface:	111.23
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-05-22	Feet below surface:	111.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-05-15	Feet below surface:	109.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-05-08	Feet below surface:	108.64
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-05-01	Feet below surface:	105.79
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-04-24	Feet below surface:	108.13
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-04-17	Feet below surface:	105.59
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-04-10	Feet below surface:	104.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-04-03	Feet below surface:	107.25
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1951-03-28	Feet below surface:	107.52
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-03-27	Feet below surface:	107.07
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-03-20	Feet below surface:	105.53
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-03-13	Feet below surface:	101.74
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-03-06	Feet below surface:	99.55
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-02-27	Feet below surface:	101.05
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-02-20	Feet below surface:	102.02
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-02-13	Feet below surface:	99.55
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-02-02	Feet below surface:	99.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-01-30	Feet below surface:	98.55
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-01-23	Feet below surface:	99.63
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-01-16	Feet below surface:	100.88
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-01-09	Feet below surface:	102.24
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-01-02	Feet below surface:	101.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-12-27	Feet below surface:	101.41
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-12-19	Feet below surface:	102.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-12-12	Feet below surface:	101.97
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-12-05	Feet below surface:	100.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-12-01	Feet below surface:	99.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-11-28	Feet below surface:	99.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-11-21	Feet below surface:	101.25
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1950-11-14	Feet below surface:	105.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-11-07	Feet below surface:	103.33
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-11-02	Feet below surface:	106.53
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-10-31	Feet below surface:	105.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-10-24	Feet below surface:	106.99
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-10-17	Feet below surface:	108.32
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-10-10	Feet below surface:	105.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-10-03	Feet below surface:	106.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-09-25	Feet below surface:	106.57
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-09-18	Feet below surface:	105.73
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-09-11	Feet below surface:	103.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-09-01	Feet below surface:	105.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-08-29	Feet below surface:	104.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-08-21	Feet below surface:	106.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-08-14	Feet below surface:	107.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-08-07	Feet below surface:	106.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-08-01	Feet below surface:	104.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-07-28	Feet below surface:	107.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-07-24	Feet below surface:	103.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-07-17	Feet below surface:	102.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-07-10	Feet below surface:	105.80
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1950-07-03	Feet below surface:	103.73
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-06-30	Feet below surface:	104.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-06-26	Feet below surface:	100.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-06-19	Feet below surface:	99.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-06-12	Feet below surface:	98.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-06-01	Feet below surface:	101.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-05-29	Feet below surface:	96.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-05-22	Feet below surface:	96.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-05-15	Feet below surface:	95.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-05-08	Feet below surface:	96.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-05-01	Feet below surface:	95.94
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-04-24	Feet below surface:	94.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-04-17	Feet below surface:	95.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-04-10	Feet below surface:	92.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-04-03	Feet below surface:	92.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-03-20	Feet below surface:	90.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-03-13	Feet below surface:	92.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-03-01	Feet below surface:	88.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-02-28	Feet below surface:	88.11
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-02-20	Feet below surface:	89.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-02-02	Feet below surface:	91.90
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1950-01-16	Feet below surface:	90.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-01-09	Feet below surface:	90.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-01-03	Feet below surface:	90.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-12-27	Feet below surface:	91.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-12-19	Feet below surface:	93.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-12-12	Feet below surface:	94.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-11-30	Feet below surface:	95.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-11-21	Feet below surface:	97.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-11-11	Feet below surface:	96.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-11-07	Feet below surface:	100.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-10-28	Feet below surface:	100.53
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-10-24	Feet below surface:	99.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-10-18	Feet below surface:	99.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-10-17	Feet below surface:	99.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-10-10	Feet below surface:	100.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-10-03	Feet below surface:	102.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-09-28	Feet below surface:	102.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-09-19	Feet below surface:	103.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-09-12	Feet below surface:	102.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-08-31	Feet below surface:	105.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-08-22	Feet below surface:	103.40
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1949-08-15	Feet below surface:	103.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-08-08	Feet below surface:	104.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-07-29	Feet below surface:	104.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-07-25	Feet below surface:	103.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-07-11	Feet below surface:	101.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-07-01	Feet below surface:	102.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-06-30	Feet below surface:	107.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-06-20	Feet below surface:	101.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-06-13	Feet below surface:	100.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-06-06	Feet below surface:	100.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-05-31	Feet below surface:	99.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-05-23	Feet below surface:	97.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-05-16	Feet below surface:	97.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-05-09	Feet below surface:	97.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-05-02	Feet below surface:	96.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-04-25	Feet below surface:	94.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-04-18	Feet below surface:	92.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-03-31	Feet below surface:	86.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-03-21	Feet below surface:	86.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-03-14	Feet below surface:	87.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-03-07	Feet below surface:	87.60
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1949-02-28	Feet below surface:	88.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-02-21	Feet below surface:	88.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-02-14	Feet below surface:	88.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-02-07	Feet below surface:	89.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-01-31	Feet below surface:	88.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-01-24	Feet below surface:	88.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-01-17	Feet below surface:	89.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-01-10	Feet below surface:	88.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-01-03	Feet below surface:	91.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-12-20	Feet below surface:	90.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-12-13	Feet below surface:	91.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-12-01	Feet below surface:	91.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-11-22	Feet below surface:	90.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-11-15	Feet below surface:	91.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-11-08	Feet below surface:	90.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-11-01	Feet below surface:	89.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-10-25	Feet below surface:	86.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-10-18	Feet below surface:	97.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-10-11	Feet below surface:	88.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-10-01	Feet below surface:	87.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-09-20	Feet below surface:	87.60
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1948-09-13	Feet below surface:	91.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-09-07	Feet below surface:	97.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-09-01	Feet below surface:	100.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-08-23	Feet below surface:	101.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-08-16	Feet below surface:	97.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-08-09	Feet below surface:	98.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-08-02	Feet below surface:	100.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-07-26	Feet below surface:	99.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-07-19	Feet below surface:	98.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-07-12	Feet below surface:	99.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-07-01	Feet below surface:	99.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-06-21	Feet below surface:	97.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-06-14	Feet below surface:	96.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-06-02	Feet below surface:	95.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-05-24	Feet below surface:	97.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-05-17	Feet below surface:	96.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-05-10	Feet below surface:	94.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-05-03	Feet below surface:	94.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-04-26	Feet below surface:	95.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-04-19	Feet below surface:	94.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-04-12	Feet below surface:	90.60
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1948-04-01	Feet below surface:	88.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-03-22	Feet below surface:	88.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-03-15	Feet below surface:	88.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-03-08	Feet below surface:	89.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-03-01	Feet below surface:	89.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-02-24	Feet below surface:	88.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-02-16	Feet below surface:	86.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-02-09	Feet below surface:	86.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-02-02	Feet below surface:	86.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-01-26	Feet below surface:	89.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-01-19	Feet below surface:	92.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-01-12	Feet below surface:	87.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-01-05	Feet below surface:	85.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-12-29	Feet below surface:	87.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-12-22	Feet below surface:	85.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-12-15	Feet below surface:	87.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-12-08	Feet below surface:	85.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-12-01	Feet below surface:	91.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-11-24	Feet below surface:	90.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-11-17	Feet below surface:	91.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-11-10	Feet below surface:	95.40
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1947-11-03	Feet below surface:	92.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-10-27	Feet below surface:	94.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-10-20	Feet below surface:	93.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-10-14	Feet below surface:	94.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-10-01	Feet below surface:	98.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-09-22	Feet below surface:	98.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-09-15	Feet below surface:	98.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-09-08	Feet below surface:	100.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-09-02	Feet below surface:	100.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-08-25	Feet below surface:	100.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-08-18	Feet below surface:	100.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-08-11	Feet below surface:	101.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-08-01	Feet below surface:	100.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-07-21	Feet below surface:	98.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-07-14	Feet below surface:	98.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-07-07	Feet below surface:	94.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-07-01	Feet below surface:	96.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-06-23	Feet below surface:	96.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-06-17	Feet below surface:	94.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-06-10	Feet below surface:	93.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-06-02	Feet below surface:	91.90
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1947-05-26	Feet below surface:	92.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-05-19	Feet below surface:	100.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-05-12	Feet below surface:	92.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-05-01	Feet below surface:	90.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-04-21	Feet below surface:	91.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-04-14	Feet below surface:	91.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-04-07	Feet below surface:	87.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-03-24	Feet below surface:	82.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-03-17	Feet below surface:	83.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-03-10	Feet below surface:	82.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-02-28	Feet below surface:	82.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-02-24	Feet below surface:	82.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-02-17	Feet below surface:	82.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-02-10	Feet below surface:	81.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-02-03	Feet below surface:	82.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-01-28	Feet below surface:	80.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-01-20	Feet below surface:	79.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-01-13	Feet below surface:	79.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-01-02	Feet below surface:	80.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-12-23	Feet below surface:	81.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-12-16	Feet below surface:	81.70
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1946-12-09	Feet below surface:	82.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-12-02	Feet below surface:	82.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-11-25	Feet below surface:	83.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-11-18	Feet below surface:	86.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-11-12	Feet below surface:	84.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-11-01	Feet below surface:	86.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-10-21	Feet below surface:	89.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-10-14	Feet below surface:	93.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-10-07	Feet below surface:	92.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-10-01	Feet below surface:	95.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-09-23	Feet below surface:	95.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-09-09	Feet below surface:	97.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-09-03	Feet below surface:	98.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-08-19	Feet below surface:	101.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-08-12	Feet below surface:	93.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-08-01	Feet below surface:	97.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-07-26	Feet below surface:	94.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-07-15	Feet below surface:	93.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-07-09	Feet below surface:	96.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-07-01	Feet below surface:	93.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-06-24	Feet below surface:	92.20
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1946-06-17	Feet below surface:	95.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-06-10	Feet below surface:	93.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-06-01	Feet below surface:	90.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-05-20	Feet below surface:	86.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-05-15	Feet below surface:	86.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-05-01	Feet below surface:	87.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-04-22	Feet below surface:	83.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-04-15	Feet below surface:	82.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-04-08	Feet below surface:	80.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-04-01	Feet below surface:	86.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-03-23	Feet below surface:	86.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-03-18	Feet below surface:	88.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-03-09	Feet below surface:	86.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-03-01	Feet below surface:	84.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-02-19	Feet below surface:	84.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-02-11	Feet below surface:	80.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-02-01	Feet below surface:	86.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-01-21	Feet below surface:	82.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-01-14	Feet below surface:	80.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-01-07	Feet below surface:	80.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-12-31	Feet below surface:	84.00
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1945-12-24	Feet below surface:	82.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-12-07	Feet below surface:	86.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-12-01	Feet below surface:	86.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-11-23	Feet below surface:	89.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-11-17	Feet below surface:	89.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-11-08	Feet below surface:	90.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-11-01	Feet below surface:	90.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-10-22	Feet below surface:	89.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-10-15	Feet below surface:	88.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-10-06	Feet below surface:	91.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-10-01	Feet below surface:	93.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-09-22	Feet below surface:	92.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-09-14	Feet below surface:	93.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-09-08	Feet below surface:	93.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-08-31	Feet below surface:	92.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-08-25	Feet below surface:	92.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-08-18	Feet below surface:	102.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-08-11	Feet below surface:	102.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-08-01	Feet below surface:	97.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-07-21	Feet below surface:	95.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-07-14	Feet below surface:	93.10
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1945-07-07	Feet below surface:	93.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-06-30	Feet below surface:	93.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-06-23	Feet below surface:	91.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-06-16	Feet below surface:	90.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-06-09	Feet below surface:	88.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-06-01	Feet below surface:	90.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-05-26	Feet below surface:	89.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-05-19	Feet below surface:	86.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-05-12	Feet below surface:	89.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-05-01	Feet below surface:	86.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-04-21	Feet below surface:	84.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-04-14	Feet below surface:	86.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-04-07	Feet below surface:	85.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-04-02	Feet below surface:	85.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-03-24	Feet below surface:	84.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-03-17	Feet below surface:	79.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-03-10	Feet below surface:	84.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-03-01	Feet below surface:	84.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-02-17	Feet below surface:	88.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-01-20	Feet below surface:	85.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-01-13	Feet below surface:	87.50
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1945-01-06	Feet below surface:	86.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-01-02	Feet below surface:	86.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-12-23	Feet below surface:	85.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-12-16	Feet below surface:	85.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-12-09	Feet below surface:	87.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-11-25	Feet below surface:	83.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-11-18	Feet below surface:	82.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-11-10	Feet below surface:	83.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-11-01	Feet below surface:	86.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-10-21	Feet below surface:	88.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-10-14	Feet below surface:	86.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-10-07	Feet below surface:	85.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-10-02	Feet below surface:	87.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-09-23	Feet below surface:	84.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-09-16	Feet below surface:	83.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-09-08	Feet below surface:	86.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-09-01	Feet below surface:	87.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-08-26	Feet below surface:	86.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-08-19	Feet below surface:	85.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-08-12	Feet below surface:	83.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-07-31	Feet below surface:	80.70
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1944-07-22	Feet below surface:	86.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-07-15	Feet below surface:	83.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-07-08	Feet below surface:	87.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-07-01	Feet below surface:	87.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-06-24	Feet below surface:	87.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-06-17	Feet below surface:	83.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-06-10	Feet below surface:	86.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-05-31	Feet below surface:	84.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-05-20	Feet below surface:	80.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-05-13	Feet below surface:	79.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-05-06	Feet below surface:	78.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-04-29	Feet below surface:	77.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-04-22	Feet below surface:	78.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-04-15	Feet below surface:	78.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-04-08	Feet below surface:	76.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-04-01	Feet below surface:	76.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-03-25	Feet below surface:	74.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-03-18	Feet below surface:	72.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-03-11	Feet below surface:	72.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-03-01	Feet below surface:	71.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-02-19	Feet below surface:	71.30
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1944-02-11	Feet below surface:	71.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-01-31	Feet below surface:	71.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-01-22	Feet below surface:	68.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-01-15	Feet below surface:	69.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-01-08	Feet below surface:	69.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-12-31	Feet below surface:	69.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-12-24	Feet below surface:	73.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-12-18	Feet below surface:	73.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-12-11	Feet below surface:	73.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-12-01	Feet below surface:	74.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-11-20	Feet below surface:	80.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-11-13	Feet below surface:	78.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-11-06	Feet below surface:	84.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-10-29	Feet below surface:	82.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-10-23	Feet below surface:	84.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-10-16	Feet below surface:	79.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-10-08	Feet below surface:	88.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-10-01	Feet below surface:	87.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-09-25	Feet below surface:	87.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-09-18	Feet below surface:	85.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-09-11	Feet below surface:	85.90
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1943-09-01	Feet below surface:	81.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-08-21	Feet below surface:	80.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-08-14	Feet below surface:	80.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-08-07	Feet below surface:	79.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-08-01	Feet below surface:	79.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-07-24	Feet below surface:	78.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-07-17	Feet below surface:	77.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-07-10	Feet below surface:	76.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-06-30	Feet below surface:	78.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-06-19	Feet below surface:	76.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-06-12	Feet below surface:	74.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-06-01	Feet below surface:	72.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-05-22	Feet below surface:	73.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-05-15	Feet below surface:	72.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-05-08	Feet below surface:	69.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-04-30	Feet below surface:	72.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-04-24	Feet below surface:	67.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-04-17	Feet below surface:	65.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-03-31	Feet below surface:	62.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-03-20	Feet below surface:	62.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-03-13	Feet below surface:	62.30
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1943-03-06	Feet below surface:	61.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-03-01	Feet below surface:	63.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-02-20	Feet below surface:	63.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-02-13	Feet below surface:	62.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-01-29	Feet below surface:	62.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-01-16	Feet below surface:	64.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-01-09	Feet below surface:	64.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-12-21	Feet below surface:	65.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-12-12	Feet below surface:	64.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-12-01	Feet below surface:	65.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-11-21	Feet below surface:	64.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-11-07	Feet below surface:	64.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-11-02	Feet below surface:	64.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-10-24	Feet below surface:	67.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-10-17	Feet below surface:	66.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-10-10	Feet below surface:	66.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-09-30	Feet below surface:	66.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-09-19	Feet below surface:	66.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-09-12	Feet below surface:	67.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-09-01	Feet below surface:	68.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-08-22	Feet below surface:	69.90
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1942-08-15	Feet below surface:	70.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-08-08	Feet below surface:	70.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-08-01	Feet below surface:	69.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-07-25	Feet below surface:	69.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-07-17	Feet below surface:	69.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-07-11	Feet below surface:	71.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-07-01	Feet below surface:	68.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-06-21	Feet below surface:	67.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-06-13	Feet below surface:	68.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-06-06	Feet below surface:	67.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-06-01	Feet below surface:	67.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-05-23	Feet below surface:	65.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-05-16	Feet below surface:	62.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-05-09	Feet below surface:	61.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-05-01	Feet below surface:	59.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-04-25	Feet below surface:	57.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-04-18	Feet below surface:	58.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-04-11	Feet below surface:	59.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-03-31	Feet below surface:	63.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-03-21	Feet below surface:	57.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-03-14	Feet below surface:	58.70
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1942-03-07	Feet below surface:	62.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-02-28	Feet below surface:	58.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-02-21	Feet below surface:	61.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-02-14	Feet below surface:	62.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-02-07	Feet below surface:	59.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-01-24	Feet below surface:	59.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-01-17	Feet below surface:	59.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-01-10	Feet below surface:	59.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-12-20	Feet below surface:	58.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-12-13	Feet below surface:	59.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-11-15	Feet below surface:	67.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-11-08	Feet below surface:	65.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-10-31	Feet below surface:	73.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-10-25	Feet below surface:	74.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-10-18	Feet below surface:	75.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-10-11	Feet below surface:	72.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-10-01	Feet below surface:	73.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-09-20	Feet below surface:	69.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-09-13	Feet below surface:	76.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-09-02	Feet below surface:	77.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-08-23	Feet below surface:	75.50
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1941-08-09	Feet below surface:	68.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-08-01	Feet below surface:	65.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-07-26	Feet below surface:	64.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-07-19	Feet below surface:	64.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-07-12	Feet below surface:	68.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-07-07	Feet below surface:	67.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-07-01	Feet below surface:	67.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-06-21	Feet below surface:	64.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-06-14	Feet below surface:	63.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-06-07	Feet below surface:	69.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-06-02	Feet below surface:	62.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-05-24	Feet below surface:	61.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-05-17	Feet below surface:	62.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-05-10	Feet below surface:	60.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-04-30	Feet below surface:	60.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-04-19	Feet below surface:	56.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-04-12	Feet below surface:	55.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-03-31	Feet below surface:	56.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-03-22	Feet below surface:	56.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-03-15	Feet below surface:	54.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-03-08	Feet below surface:	54.80
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1941-02-28	Feet below surface:	54.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-02-21	Feet below surface:	54.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-02-15	Feet below surface:	55.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-02-08	Feet below surface:	56.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-01-31	Feet below surface:	56.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-01-25	Feet below surface:	56.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-01-18	Feet below surface:	56.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-01-11	Feet below surface:	57.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-01-02	Feet below surface:	57.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-12-21	Feet below surface:	60.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-12-07	Feet below surface:	63.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-12-02	Feet below surface:	62.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-11-23	Feet below surface:	64.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-11-16	Feet below surface:	64.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-11-09	Feet below surface:	62.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-11-01	Feet below surface:	63.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-10-26	Feet below surface:	66.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-10-19	Feet below surface:	66.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-10-11	Feet below surface:	67.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-10-01	Feet below surface:	68.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-09-21	Feet below surface:	68.10
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1940-09-14	Feet below surface:	73.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-09-07	Feet below surface:	75.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-08-30	Feet below surface:	77.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-08-24	Feet below surface:	75.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-08-17	Feet below surface:	77.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-08-10	Feet below surface:	73.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-08-01	Feet below surface:	71.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-07-20	Feet below surface:	72.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-07-13	Feet below surface:	71.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-07-06	Feet below surface:	69.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-07-01	Feet below surface:	71.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-06-22	Feet below surface:	72.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-06-15	Feet below surface:	71.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-06-08	Feet below surface:	70.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-05-31	Feet below surface:	69.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-05-24	Feet below surface:	66.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-05-18	Feet below surface:	67.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-05-11	Feet below surface:	64.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-05-01	Feet below surface:	60.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-04-20	Feet below surface:	61.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-04-13	Feet below surface:	61.00
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1940-04-06	Feet below surface:	56.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-04-01	Feet below surface:	57.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-03-23	Feet below surface:	59.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-03-16	Feet below surface:	60.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-03-09	Feet below surface:	57.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-03-01	Feet below surface:	55.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-02-23	Feet below surface:	56.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-02-16	Feet below surface:	55.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-02-09	Feet below surface:	55.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-01-30	Feet below surface:	56.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-01-19	Feet below surface:	56.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-01-12	Feet below surface:	58.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-01-06	Feet below surface:	58.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-01-02	Feet below surface:	59.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-12-23	Feet below surface:	63.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-12-15	Feet below surface:	66.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-12-08	Feet below surface:	63.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-12-01	Feet below surface:	64.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-11-25	Feet below surface:	63.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-11-18	Feet below surface:	64.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-11-13	Feet below surface:	61.30
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1939-11-01	Feet below surface:	63.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-10-21	Feet below surface:	62.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-10-14	Feet below surface:	62.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-10-07	Feet below surface:	61.11
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-09-30	Feet below surface:	64.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-09-23	Feet below surface:	69.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-09-16	Feet below surface:	65.59
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-09-11	Feet below surface:	67.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-09-01	Feet below surface:	72.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-08-26	Feet below surface:	71.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-08-19	Feet below surface:	71.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-08-18	Feet below surface:	68.66
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-08-12	Feet below surface:	72.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-08-05	Feet below surface:	72.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-07-31	Feet below surface:	72.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-07-22	Feet below surface:	71.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-07-15	Feet below surface:	68.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-07-08	Feet below surface:	66.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-06-30	Feet below surface:	68.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-06-17	Feet below surface:	67.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-06-10	Feet below surface:	67.10
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1939-06-09	Feet below surface:	65.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-05-31	Feet below surface:	65.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-05-20	Feet below surface:	62.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-05-13	Feet below surface:	62.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-05-09	Feet below surface:	60.99
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-05-06	Feet below surface:	60.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-05-01	Feet below surface:	57.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-04-22	Feet below surface:	57.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-04-15	Feet below surface:	57.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-04-08	Feet below surface:	56.02
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-03-31	Feet below surface:	54.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-03-25	Feet below surface:	54.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-03-18	Feet below surface:	54.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-03-11	Feet below surface:	55.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-03-07	Feet below surface:	56.31
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-03-01	Feet below surface:	55.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-02-20	Feet below surface:	53.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-02-11	Feet below surface:	54.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-02-06	Feet below surface:	52.93
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-01-31	Feet below surface:	53.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-01-21	Feet below surface:	53.90
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1939-01-14	Feet below surface:	54.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-01-13	Feet below surface:	53.86
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-01-07	Feet below surface:	54.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-12-31	Feet below surface:	54.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-12-24	Feet below surface:	54.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-12-17	Feet below surface:	58.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-12-10	Feet below surface:	59.59
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-12-01	Feet below surface:	59.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-11-19	Feet below surface:	60.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-11-14	Feet below surface:	62.99
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-11-12	Feet below surface:	59.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-11-05	Feet below surface:	60.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-10-31	Feet below surface:	62.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-10-25	Feet below surface:	66.76
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-10-22	Feet below surface:	63.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-10-15	Feet below surface:	65.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-10-08	Feet below surface:	66.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-10-01	Feet below surface:	65.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-09-26	Feet below surface:	63.94
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-09-24	Feet below surface:	64.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-09-17	Feet below surface:	65.10
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1938-09-12	Feet below surface:	66.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-08-31	Feet below surface:	65.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-08-22	Feet below surface:	64.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-08-15	Feet below surface:	65.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-08-08	Feet below surface:	64.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-08-03	Feet below surface:	64.91
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-08-01	Feet below surface:	64.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-07-25	Feet below surface:	63.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-07-18	Feet below surface:	64.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-07-11	Feet below surface:	63.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-06-30	Feet below surface:	63.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-06-20	Feet below surface:	61.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-06-13	Feet below surface:	59.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-06-07	Feet below surface:	60.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-06-01	Feet below surface:	58.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-05-23	Feet below surface:	58.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-05-16	Feet below surface:	59.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-05-09	Feet below surface:	58.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-05-06	Feet below surface:	57.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-05-02	Feet below surface:	56.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-04-25	Feet below surface:	58.90
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1938-04-18	Feet below surface:	59.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-04-11	Feet below surface:	59.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-04-01	Feet below surface:	58.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-03-28	Feet below surface:	56.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-03-14	Feet below surface:	54.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-03-07	Feet below surface:	53.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-02-21	Feet below surface:	53.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-02-14	Feet below surface:	53.13
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-02-07	Feet below surface:	53.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-02-02	Feet below surface:	53.36
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-01-30	Feet below surface:	53.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-01-25	Feet below surface:	53.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-01-24	Feet below surface:	53.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-01-17	Feet below surface:	55.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-01-10	Feet below surface:	54.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-01-03	Feet below surface:	54.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-12-27	Feet below surface:	54.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-12-20	Feet below surface:	55.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-12-13	Feet below surface:	56.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-12-06	Feet below surface:	57.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-11-30	Feet below surface:	57.80
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1937-11-22	Feet below surface:	58.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-11-15	Feet below surface:	60.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-11-12	Feet below surface:	60.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-11-08	Feet below surface:	62.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-11-01	Feet below surface:	61.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-10-25	Feet below surface:	62.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-10-22	Feet below surface:	63.55
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-10-18	Feet below surface:	64.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-10-11	Feet below surface:	64.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-09-30	Feet below surface:	66.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-09-20	Feet below surface:	67.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-09-14	Feet below surface:	68.83
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-09-13	Feet below surface:	69.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-09-07	Feet below surface:	68.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-08-31	Feet below surface:	64.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-08-23	Feet below surface:	67.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-08-20	Feet below surface:	67.84
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-08-16	Feet below surface:	68.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-08-09	Feet below surface:	67.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-08-02	Feet below surface:	67.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-07-26	Feet below surface:	67.20
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1937-07-19	Feet below surface:	67.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-07-15	Feet below surface:	67.61
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-07-01	Feet below surface:	66.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-06-21	Feet below surface:	65.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-06-08	Feet below surface:	63.51
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-06-01	Feet below surface:	62.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-05-17	Feet below surface:	63.53
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-05-01	Feet below surface:	61.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-04-06	Feet below surface:	58.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-04-01	Feet below surface:	56.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-03-16	Feet below surface:	57.09
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-02-08	Feet below surface:	56.64
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-02-04	Feet below surface:	57.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-01-12	Feet below surface:	57.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-01-02	Feet below surface:	58.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1936-12-12	Feet below surface:	62.97
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1936-11-30	Feet below surface:	64.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1936-11-19	Feet below surface:	65.56
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1936-11-02	Feet below surface:	61.03
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1936-10-13	Feet below surface:	66.89
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1936-10-01	Feet below surface:	66.70
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1936-09-18	Feet below surface:	68.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1936-08-31	Feet below surface:	69.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1936-08-30	Feet below surface:	68.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1936-08-24	Feet below surface:	68.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1936-08-17	Feet below surface:	67.87
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1936-08-14	Feet below surface:	68.29
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1936-07-28	Feet below surface:	69.88
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1936-06-30	Feet below surface:	68.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1936-06-09	Feet below surface:	67.67
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1936-06-01	Feet below surface:	65.87
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1936-05-15	Feet below surface:	65.96
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1936-04-30	Feet below surface:	62.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1936-04-20	Feet below surface:	62.52
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1936-04-02	Feet below surface:	61.87
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1936-03-20	Feet below surface:	60.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1936-03-02	Feet below surface:	63.36
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1936-02-18	Feet below surface:	56.71
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1936-01-13	Feet below surface:	59.73
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1935-12-16	Feet below surface:	62.16
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1935-11-18	Feet below surface:	63.87
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1935-10-25	Feet below surface:	73.08
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1935-10-21	Feet below surface:	71.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1935-10-14	Feet below surface:	71.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1935-10-07	Feet below surface:	71.45
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1935-09-30	Feet below surface:	71.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1935-09-23	Feet below surface:	73.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1935-09-17	Feet below surface:	72.66
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1935-09-16	Feet below surface:	72.36
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1935-09-10	Feet below surface:	70.62
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1935-09-03	Feet below surface:	72.03
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1935-08-19	Feet below surface:	72.17
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1935-07-23	Feet below surface:	73.66
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1935-07-22	Feet below surface:	75.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1935-07-01	Feet below surface:	71.81
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1935-06-14	Feet below surface:	71.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1935-05-14	Feet below surface:	66.56
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1935-04-23	Feet below surface:	63.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1935-04-16	Feet below surface:	62.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1935-03-22	Feet below surface:	62.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1935-02-18	Feet below surface:	62.01
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1935-01-15	Feet below surface:	61.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1934-12-15	Feet below surface:	65.22
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1934-11-07	Feet below surface:	67.47
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1934-10-29	Feet below surface:	66.16
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1934-07-24	Feet below surface:	73.92
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1934-07-20	Feet below surface:	74.82
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1934-07-14	Feet below surface:	73.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1934-06-26	Feet below surface:	71.31
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1934-06-12	Feet below surface:	68.09
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1934-05-18	Feet below surface:	73.39
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1934-04-21	Feet below surface:	67.66
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1934-04-06	Feet below surface:	65.97
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1934-03-30	Feet below surface:	63.56
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1934-03-23	Feet below surface:	62.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1934-03-20	Feet below surface:	61.96
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1934-03-16	Feet below surface:	61.09
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1934-03-09	Feet below surface:	59.42
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1934-03-02	Feet below surface:	57.89
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1934-02-23	Feet below surface:	59.44
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1934-02-16	Feet below surface:	61.71
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1934-02-09	Feet below surface:	60.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1934-02-02	Feet below surface:	61.06
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1934-01-26	Feet below surface:	60.63
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1934-01-19	Feet below surface:	60.02
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1934-01-12	Feet below surface:	59.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1933-01-21	Feet below surface:	62.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1933-01-18	Feet below surface:	63.07
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1933-01-11	Feet below surface:	63.36
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1933-01-04	Feet below surface:	61.76
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1932-12-28	Feet below surface:	62.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1932-12-21	Feet below surface:	61.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1932-12-14	Feet below surface:	62.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1932-12-07	Feet below surface:	65.19
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1932-11-30	Feet below surface:	65.97
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1932-11-23	Feet below surface:	66.69
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1932-11-16	Feet below surface:	66.49
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1932-11-10	Feet below surface:	66.41
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1932-11-02	Feet below surface:	65.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1932-10-26	Feet below surface:	65.54
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1932-10-22	Feet below surface:	65.38
Feet to sea level:	Not Reported	Note:	Not Reported

AT293
ESE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000138116**

Well ID:	T0603701911-MW-13	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-13
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603701911&assigned_name=MW-13&store_num=		

GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603701911&assigned_name=MW-13

AN294
WNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000120577**

Well ID:	SL372412434-AMR-258B-G	Well Type:	MONITORING
Source:	EDF	Other Name:	AMR-258B-G
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=AMR-258B-G&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=AMR-258B-G		

AN295
WNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000064669**

Well ID:	SL372412434-AMR-258A-G	Well Type:	MONITORING
Source:	EDF	Other Name:	AMR-258A-G
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=AMR-258A-G&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=AMR-258A-G		

AT296
ESE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000096818**

Well ID:	T0603701911-MW-12	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-12
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603701911&assigned_name=MW-12&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603701911&assigned_name=MW-12		

AT297
ESE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000068069**

Well ID:	T0603701911-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603701911&assigned_name=MW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603701911&assigned_name=MW-6		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AX298
ESE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000091756**

Well ID:	T0603701911-MW-22	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-22
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603701911&assigned_name=MW-22&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603701911&assigned_name=MW-22		

AT299
ESE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000080980**

Well ID:	T0603701911-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603701911&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603701911&assigned_name=MW-2		

AY300
WSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000099352**

Well ID:	SL372402433-MW-56	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-56
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372402433&assigned_name=MW-56&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372402433&assigned_name=MW-56		

AT301
ESE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000021671**

Well ID:	T0603701911-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603701911&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603701911&assigned_name=MW-4		

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
AT302 **ESE** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAEDF0000113452**

Well ID:	T0603701911-MW-9	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-9
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603701911&assigned_name=MW-9&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603701911&assigned_name=MW-9		

	Database	EDR ID Number
AZ303 **West** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000004797**

Well ID:	SL372412434-AMR-612-D	Well Type:	MONITORING
Source:	EDF	Other Name:	AMR-612-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=AMR-612-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=AMR-612-D		

	Database	EDR ID Number
AT304 **ESE** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAEDF0000089686**

Well ID:	T0603701911-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603701911&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603701911&assigned_name=MW-1		

	Database	EDR ID Number
AY305 **WSW** **1/2 - 1 Mile** **Higher**	**FED USGS**	**USGS40000138326**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	004S013W21R001S	Type:	Well
Description:	Not Reported	HUC:	18070104
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	780
Well Depth Units:	ft	Well Hole Depth:	846

Well Hole Depth Units: ft

AT306
ESE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000062426**

Well ID:	T0603701911-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603701911&assigned_name=MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603701911&assigned_name=MW-3		

AZ307
West
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000079595**

Well ID:	SL372412434-AMR-236-D	Well Type:	MONITORING
Source:	EDF	Other Name:	AMR-236-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=AMR-236-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=AMR-236-D		

AX308
ESE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000021748**

Well ID:	T0603701911-MW-23	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-23
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603701911&assigned_name=MW-23&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603701911&assigned_name=MW-23		

AP309
SW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000125015**

Well ID:	SL372402433-MW-24	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-24
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372402433&assigned_name=MW-24&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372402433&assigned_name=MW-24		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AQ310
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000016731**

Well ID:	WDR100000664-MW-12D	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-12D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100000664&assigned_name=MW-12D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100000664&assigned_name=MW-12D		

AT311
ESE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000056386**

Well ID:	T0603701911-MW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603701911&assigned_name=MW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603701911&assigned_name=MW-5		

AX312
ESE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000043591**

Well ID:	T0603701911-MW-7	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603701911&assigned_name=MW-7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603701911&assigned_name=MW-7		

AZ313
West
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000069685**

Well ID:	SL372412434-AMR-290-D	Well Type:	MONITORING
Source:	EDF	Other Name:	AMR-290-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=AMR-290-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=AMR-290-D		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AS314
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000076775**

Well ID:	SL372412434-ANE-036-D	Well Type:	MONITORING
Source:	EDF	Other Name:	ANE-036-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=ANE-036-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=ANE-036-D		

AX315
ESE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000111091**

Well ID:	T0603701911-MW-8	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-8
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603701911&assigned_name=MW-8&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603701911&assigned_name=MW-8		

316
WSW
1/2 - 1 Mile
Lower

CA WELLS **CADWR0000023288**

Well ID:	04S13W21R001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W21R001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W21R001S&store_num=		
GeoTracker Data:	Not Reported		

317
West
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000091106**

Well ID:	SL372412434-AMR-002-D	Well Type:	MONITORING
Source:	EDF	Other Name:	AMR-002-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=AMR-002-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=AMR-002-D		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AX318
ESE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000134978**

Well ID:	T0603701911-MW-10	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-10
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603701911&assigned_name=MW-10&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603701911&assigned_name=MW-10		

AW319
SW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000034531**

Well ID:	SL372432436-ES-4R	Well Type:	MONITORING
Source:	EDF	Other Name:	ES-4R
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372432436&assigned_name=ES-4R&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372432436&assigned_name=ES-4R		

AT320
ESE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000106984**

Well ID:	T0603701911-MW-11	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-11
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603701911&assigned_name=MW-11&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603701911&assigned_name=MW-11		

AU321
WNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000112775**

Well ID:	SL372412434-ANP-516-D	Well Type:	MONITORING
Source:	EDF	Other Name:	ANP-516-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=ANP-516-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=ANP-516-D		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AX322
ESE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000082531**

Well ID:	T0603701911-MW-24	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-24
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603701911&assigned_name=MW-24&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603701911&assigned_name=MW-24		

AX323
ESE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000088719**

Well ID:	T0603701911-MW-25	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-25
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603701911&assigned_name=MW-25&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603701911&assigned_name=MW-25		

AX324
SE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000079944**

Well ID:	T0603701911-MW-18	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-18
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603701911&assigned_name=MW-18&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603701911&assigned_name=MW-18		

BA325
SW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000136661**

Well ID:	SL372402433-MW-35	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-35
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372402433&assigned_name=MW-35&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372402433&assigned_name=MW-35		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

BB326
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000055229**

Well ID:	SL372412434-ANE-094-D	Well Type:	MONITORING
Source:	EDF	Other Name:	ANE-094-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=ANE-094-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=ANE-094-D		

BC327
SSE
1/2 - 1 Mile
Lower

FED USGS **USGS40000138258**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	004S013W27H008S	Type:	Well
Description:	Not Reported	HUC:	Not Reported
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19920928	Well Depth:	341
Well Depth Units:	ft	Well Hole Depth:	415
Well Hole Depth Units:	ft		

BC328
SSE
1/2 - 1 Mile
Lower

FED USGS **USGS40000138259**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	004S013W27H009S	Type:	Well
Description:	Not Reported	HUC:	Not Reported
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19920928	Well Depth:	201
Well Depth Units:	ft	Well Hole Depth:	415
Well Hole Depth Units:	ft		

AU329
WNW
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000022158**

Well ID:	04S13W16R001S	Well Type:	UNK
Source:	Department of Water Resources		

Other Name:	04S13W16R001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W16R001S&store_num=		
GeoTracker Data:	Not Reported		

AU330
WNW
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000037690**

Well ID:	04S13W16R002S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W16R002S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W16R002S&store_num=		
GeoTracker Data:	Not Reported		

BD331
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000073174**

Well ID:	WDR100000664-MW-3A	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3A
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100000664&assigned_name=MW-3A&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100000664&assigned_name=MW-3A		

BC332
SSE
1/2 - 1 Mile
Lower

CA WELLS **CADWR9000005577**

State Well #:	04S13W27H008S	Station ID:	39829
Well Name:	Not Reported	Basin Name:	West Coast
Well Use:	Unknown	Well Type:	Unknown
Well Depth:	0	Well Completion Rpt #:	Not Reported

BC333
SSE
1/2 - 1 Mile
Lower

CA WELLS **CADWR9000005578**

State Well #:	04S13W27H009S	Station ID:	38285
Well Name:	Not Reported	Basin Name:	West Coast
Well Use:	Unknown	Well Type:	Unknown
Well Depth:	0	Well Completion Rpt #:	Not Reported

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AX334
ESE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000100655**

Well ID:	T0603701911-MW-15	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-15
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603701911&assigned_name=MW-15&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603701911&assigned_name=MW-15		

BC335
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAUSGSN00001673**

Well ID:	USGS-334751118131902	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-334751118131902	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334751118131902&store_num=		
GeoTracker Data:	Not Reported		

BC336
SSE
1/2 - 1 Mile
Lower

CA WELLS **CAUSGSN00005381**

Well ID:	USGS-334751118131901	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-334751118131901	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334751118131901&store_num=		
GeoTracker Data:	Not Reported		

AX337
ESE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000052473**

Well ID:	T0603701911-MW-14	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-14
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603701911&assigned_name=MW-14&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603701911&assigned_name=MW-14		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AX338
ESE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000140577**

Well ID:	T0603701911-MW-16	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-16
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603701911&assigned_name=MW-16&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603701911&assigned_name=MW-16		

BE339
WSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000143396**

Well ID:	SL372402433-MW-17	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-17
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372402433&assigned_name=MW-17&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372402433&assigned_name=MW-17		

BE340
WSW
1/2 - 1 Mile
Higher

FED USGS **USGS40000138322**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	004S013W21R002S	Type:	Well
Description:	Not Reported	HUC:	18070104
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

BF341
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000058670**

Well ID:	WDR100000664-MW-2A	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2A
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100000664&assigned_name=MW-2A&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100000664&assigned_name=MW-2A		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

BF342
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000131756**

Well ID:	WDR100000664-MW-9C	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-9C
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100000664&assigned_name=MW-9C&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100000664&assigned_name=MW-9C		

BF343
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000083675**

Well ID:	WDR100000664-MW-2B	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2B
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100000664&assigned_name=MW-2B&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100000664&assigned_name=MW-2B		

BF344
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000047964**

Well ID:	WDR100000664-MW-9DR	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-9DR
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100000664&assigned_name=MW-9DR&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100000664&assigned_name=MW-9DR		

BB345
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000121212**

Well ID:	WDR100000664-GMW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	GMW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100000664&assigned_name=GMW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100000664&assigned_name=GMW-4		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AX346
ESE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000098713**

Well ID:	T0603701911-MW-20	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-20
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603701911&assigned_name=MW-20&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603701911&assigned_name=MW-20		

BF347
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000046569**

Well ID:	WDR100000664-MW-9A	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-9A
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100000664&assigned_name=MW-9A&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100000664&assigned_name=MW-9A		

BA348
SW
1/2 - 1 Mile
Higher

FED USGS **USGS40000138286**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	004S013W28A004S	Type:	Well
Description:	Not Reported	HUC:	18070104
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19971111	Well Depth:	800
Well Depth Units:	ft	Well Hole Depth:	1038
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	30	Level reading date:	2002-09-25
Feet below surface:	97.31	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	2002-06-26	Feet below surface:	98.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-05-13	Feet below surface:	104.13
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-03-29	Feet below surface:	102.05
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	2001-12-26	Feet below surface:	96.05
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-09-27	Feet below surface:	110.15
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-07-02	Feet below surface:	109.49
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-03-29	Feet below surface:	110.41
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-02-15	Feet below surface:	102.89
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-12-28	Feet below surface:	102.03
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-10-31	Feet below surface:	108.45
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-09-27	Feet below surface:	7.02
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-04-04	Feet below surface:	109.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-01-07	Feet below surface:	112.47
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-10-04	Feet below surface:	110.51
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-09-23	Feet below surface:	110.55
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-08-31	Feet below surface:	110.15
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-05-12	Feet below surface:	108.79
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-04-24	Feet below surface:	108.34
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-04-23	Feet below surface:	108.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-02-05	Feet below surface:	108.09
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-11-18	Feet below surface:	110.36
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-10-18	Feet below surface:	112.34
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-10-05	Feet below surface:	112.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-07-01	Feet below surface:	114.09
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1998-04-23	Feet below surface:	112.76
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-01-13	Feet below surface:	109.08
Feet to sea level:	Not Reported		
Note:	A nearby site that taps the same aquifer had been pumped recently.		
Level reading date:	1997-12-16	Feet below surface:	108.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-12-04	Feet below surface:	108.43
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-12-02	Feet below surface:	108.80
Feet to sea level:	Not Reported	Note:	Not Reported

BA349
SW
1/2 - 1 Mile
Higher

FED USGS **USGS40000138285**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	004S013W28A003S	Type:	Well
Description:	Not Reported	HUC:	18070104
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19971111	Well Depth:	1035
Well Depth Units:	ft	Well Hole Depth:	1038
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	27	Level reading date:	2002-09-25
Feet below surface:	97.08	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	2002-06-26	Feet below surface:	98.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-05-13	Feet below surface:	103.93
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-03-29	Feet below surface:	101.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-12-26	Feet below surface:	95.82
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-09-27	Feet below surface:	109.93
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-07-02	Feet below surface:	109.26
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-03-29	Feet below surface:	110.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-12-28	Feet below surface:	101.91
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	2000-10-31	Feet below surface:	108.37
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-09-27	Feet below surface:	106.83
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-04-04	Feet below surface:	109.19
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-01-07	Feet below surface:	112.32
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-10-04	Feet below surface:	110.37
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-09-23	Feet below surface:	110.43
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-08-31	Feet below surface:	110.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-05-12	Feet below surface:	108.71
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-04-24	Feet below surface:	108.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-04-23	Feet below surface:	108.63
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-02-05	Feet below surface:	108.13
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-11-18	Feet below surface:	110.46
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-10-18	Feet below surface:	112.43
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-10-05	Feet below surface:	112.32
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-07-01	Feet below surface:	114.14
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-04-23	Feet below surface:	112.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-01-13	Feet below surface:	109.16
Feet to sea level:	Not Reported		
Note:	A nearby site that taps the same aquifer had been pumped recently.		
Level reading date:	1997-12-16	Feet below surface:	108.25
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
BA350 **SW** **1/2 - 1 Mile** **Higher**	**FED USGS**	**USGS40000138287**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	004S013W28A005S	Type:	Well
Description:	Not Reported	HUC:	18070104
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19971111	Well Depth:	570
Well Depth Units:	ft	Well Hole Depth:	1038
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	28	Level reading date:	2002-09-25
Feet below surface:	97.34	Feet to sea level:	Not Reported
Note:	Not Reported		

Level reading date:	2002-06-26	Feet below surface:	98.73
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-05-13	Feet below surface:	104.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-03-29	Feet below surface:	102.17
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-12-26	Feet below surface:	96.24
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-09-27	Feet below surface:	110.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-07-02	Feet below surface:	109.52
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-03-29	Feet below surface:	110.63
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-12-28	Feet below surface:	102.24
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-10-31	Feet below surface:	108.73
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-09-27	Feet below surface:	107.26
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-04-04	Feet below surface:	109.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-01-07	Feet below surface:	112.63
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-10-04	Feet below surface:	100.73
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1999-09-23	Feet below surface:	110.74
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-08-31	Feet below surface:	110.42
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-05-12	Feet below surface:	109.03
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-04-24	Feet below surface:	108.76
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-04-23	Feet below surface:	108.99
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-02-05	Feet below surface:	108.47
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-11-18	Feet below surface:	110.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-10-18	Feet below surface:	112.71
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-10-05	Feet below surface:	112.59
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-07-01	Feet below surface:	114.45
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-04-23	Feet below surface:	113.11
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-01-13	Feet below surface:	109.43
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-12-16	Feet below surface:	96.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-12-03	Feet below surface:	110.08
Feet to sea level:	Not Reported	Note:	Not Reported

BA351
SW
1/2 - 1 Mile
Higher

FED USGS **USGS40000138289**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	004S013W28A007S	Type:	Well
Description:	Not Reported	HUC:	18070104
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19971111	Well Depth:	140
Well Depth Units:	ft	Well Hole Depth:	1038
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	27	Level reading date:	2002-09-25

Feet below surface:	61.50	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	2002-06-26	Feet below surface:	63.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-05-13	Feet below surface:	63.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-12-26	Feet below surface:	62.92
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-09-27	Feet below surface:	65.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-07-02	Feet below surface:	65.06
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-03-29	Feet below surface:	64.51
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-12-28	Feet below surface:	64.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-10-31	Feet below surface:	64.09
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-09-27	Feet below surface:	63.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-04-04	Feet below surface:	65.13
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-01-07	Feet below surface:	66.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-10-04	Feet below surface:	66.04
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-09-23	Feet below surface:	69.59
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-08-31	Feet below surface:	66.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-05-12	Feet below surface:	65.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-04-24	Feet below surface:	66.57
Feet to sea level:	Not Reported		
Note:	A nearby site that taps the same aquifer was being pumped.		
Level reading date:	1999-04-23	Feet below surface:	66.52
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-02-05	Feet below surface:	66.96
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-11-18	Feet below surface:	68.11
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-10-18	Feet below surface:	67.27

Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-10-05	Feet below surface:	68.09
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-07-01	Feet below surface:	66.87
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-04-23	Feet below surface:	65.45
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-01-12	Feet below surface:	64.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-12-16	Feet below surface:	64.67
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-12-04	Feet below surface:	64.54
Feet to sea level:	Not Reported	Note:	Not Reported

BA352
SW
1/2 - 1 Mile
Higher

FED USGS **USGS40000138288**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	004S013W28A006S	Type:	Well
Description:	Not Reported	HUC:	18070104
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19971111	Well Depth:	245
Well Depth Units:	ft	Well Hole Depth:	1038
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	28	Level reading date:	2002-09-25
Feet below surface:	64.86	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	2002-06-26	Feet below surface:	66.52
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-05-13	Feet below surface:	67.42
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-03-29	Feet below surface:	66.77
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-12-26	Feet below surface:	66.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-09-27	Feet below surface:	69.94
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-07-02	Feet below surface:	69.14
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-03-29	Feet below surface:	68.59

Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-12-28	Feet below surface:	67.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-10-31	Feet below surface:	68.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-09-27	Feet below surface:	67.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-04-04	Feet below surface:	68.97
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-01-07	Feet below surface:	70.88
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-10-04	Feet below surface:	70.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-09-23	Feet below surface:	69.65
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-08-31	Feet below surface:	70.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-05-12	Feet below surface:	69.96
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-04-24	Feet below surface:	70.51
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-04-23	Feet below surface:	70.46
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-02-05	Feet below surface:	70.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-11-18	Feet below surface:	72.13
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-10-18	Feet below surface:	71.43
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-10-05	Feet below surface:	72.31
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-07-01	Feet below surface:	71.39
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-04-23	Feet below surface:	69.91
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-01-12	Feet below surface:	68.96
Feet to sea level:	Not Reported		
Note:	A nearby site that taps the same aquifer was being pumped.		
Level reading date:	1997-12-16	Feet below surface:	68.84
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-12-03	Feet below surface:	69.12
Feet to sea level:	Not Reported	Note:	Not Reported

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AZ353
West
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000077816**

Well ID:	SL372412434-AMR-607-D	Well Type:	MONITORING
Source:	EDF	Other Name:	AMR-607-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=AMR-607-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=AMR-607-D		

BG354
South
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000003369**

Well ID:	04S13W27G003S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W27G003S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W27G003S&store_num=		
GeoTracker Data:	Not Reported		

BG355
South
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000004402**

Well ID:	04S13W27G001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S13W27G001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W27G001S&store_num=		
GeoTracker Data:	Not Reported		

BD356
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000036339**

Well ID:	SL373472450-223-GSP-1M	Well Type:	MONITORING
Source:	EDF	Other Name:	223-GSP-1M
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL373472450&assigned_name=223-GSP-1M&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL373472450&assigned_name=223-GSP-1M		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

BD357
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000088419**

Well ID:	SL373472450-223-GSP-1S	Well Type:	MONITORING
Source:	EDF	Other Name:	223-GSP-1S
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL373472450&assigned_name=223-GSP-1S&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL373472450&assigned_name=223-GSP-1S		

BD358
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000109222**

Well ID:	SL373472450-223-GSP-1D	Well Type:	MONITORING
Source:	EDF	Other Name:	223-GSP-1D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL373472450&assigned_name=223-GSP-1D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL373472450&assigned_name=223-GSP-1D		

BA359
SW
1/2 - 1 Mile
Higher

CA WELLS **CAUSGSN00013169**

Well ID:	USGS-334802118141801	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-334802118141801	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334802118141801&store_num=		
GeoTracker Data:	Not Reported		

BA360
SW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000143845**

Well ID:	WDR100000534-100073	Well Type:	MONITORING
Source:	EDF	Other Name:	100073
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100000534&assigned_name=100073&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100000534&assigned_name=100073		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

BA361
SW
1/2 - 1 Mile
Higher

CA WELLS **CAUSGSN00002295**

Well ID:	USGS-334802118141804	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-334802118141804	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334802118141804&store_num=		
GeoTracker Data:	Not Reported		

BA362
SW
1/2 - 1 Mile
Higher

CA WELLS **CAUSGSN00005908**

Well ID:	USGS-334802118141803	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-334802118141803	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334802118141803&store_num=		
GeoTracker Data:	Not Reported		

BA363
SW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000033054**

Well ID:	WDR100000534-100070	Well Type:	MONITORING
Source:	EDF	Other Name:	100070
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100000534&assigned_name=100070&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100000534&assigned_name=100070		

BA364
SW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000021823**

Well ID:	WDR100000534-100072	Well Type:	MONITORING
Source:	EDF	Other Name:	100072
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100000534&assigned_name=100072&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100000534&assigned_name=100072		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

BA365
SW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000128700**

Well ID:	WDR100000534-100071	Well Type:	MONITORING
Source:	EDF	Other Name:	100071
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100000534&assigned_name=100071&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100000534&assigned_name=100071		

BA366
SW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000066457**

Well ID:	WDR100000534-100074	Well Type:	MONITORING
Source:	EDF	Other Name:	100074
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100000534&assigned_name=100074&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100000534&assigned_name=100074		

BA367
SW
1/2 - 1 Mile
Higher

CA WELLS **CAUSGSN00009551**

Well ID:	USGS-334802118141802	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-334802118141802	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334802118141802&store_num=		
GeoTracker Data:	Not Reported		

BA368
SW
1/2 - 1 Mile
Higher

CA WELLS **CAUSGSN00010233**

Well ID:	USGS-334802118141805	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-334802118141805	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334802118141805&store_num=		
GeoTracker Data:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

369
SW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000125394**

Well ID:	SL372432436-H-26S	Well Type:	MONITORING
Source:	EDF	Other Name:	H-26S
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372432436&assigned_name=H-26S&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372432436&assigned_name=H-26S		

BF370
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000122619**

Well ID:	WDR100000664-MW-16D	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-16D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100000664&assigned_name=MW-16D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100000664&assigned_name=MW-16D		

AZ371
West
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000034510**

Well ID:	SL372412434-AMR-608-D	Well Type:	MONITORING
Source:	EDF	Other Name:	AMR-608-D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL372412434&assigned_name=AMR-608-D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL372412434&assigned_name=AMR-608-D		

BF372
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000100092**

Well ID:	WDR100000664-MW-16C	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-16C
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100000664&assigned_name=MW-16C&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100000664&assigned_name=MW-16C		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

1
SSE **OIL_GAS** **CAOG15000012628**
1/4 - 1/2 Mile

API #:	0403701278	Well #:	3
Well Status:	Plugged	Well Type:	Dry Hole
Well Design:	Cy 3	Lease Name:	Cy
Operator ID:	00213	Field Name:	Any Field
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
90810	11	0

Federal EPA Radon Zone for LOS ANGELES County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for LOS ANGELES COUNTY, CA

Number of sites tested: 63

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.711 pCi/L	98%	2%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	0.933 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

OTHER STATE DATABASE INFORMATION

Groundwater Ambient Monitoring & Assessment Program
State Water Resources Control Board
Telephone: 916-341-5577
The GAMA Program is Californias comprehensive groundwater quality monitoring program. GAMA collects data by testing the untreated, raw water in different types of wells for naturally-occurring and man-made chemicals. The GAMA data includes Domestic, Monitoring and Municipal well types from the following sources, Department of Water Resources, Department of Heath Services, EDF, Agricultural Lands, Lawrence Livermore National Laboratory, Department of Pesticide Regulation, United States Geological Survey, Groundwater Ambient Monitoring and Assessment Program and Local Groundwater Projects.

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

California Oil and Gas Well Locations
Source: Dept of Conservation, Geologic Energy Management Division
Telephone: 916-323-1779
Oil and Gas well locations in the state.

California Earthquake Fault Lines
Source: California Division of Mines and Geology
The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon
Source: Department of Public Health
Telephone: 916-210-8558
Radon Database for California

PHYSICAL SETTING SOURCE RECORDS SEARCHED

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

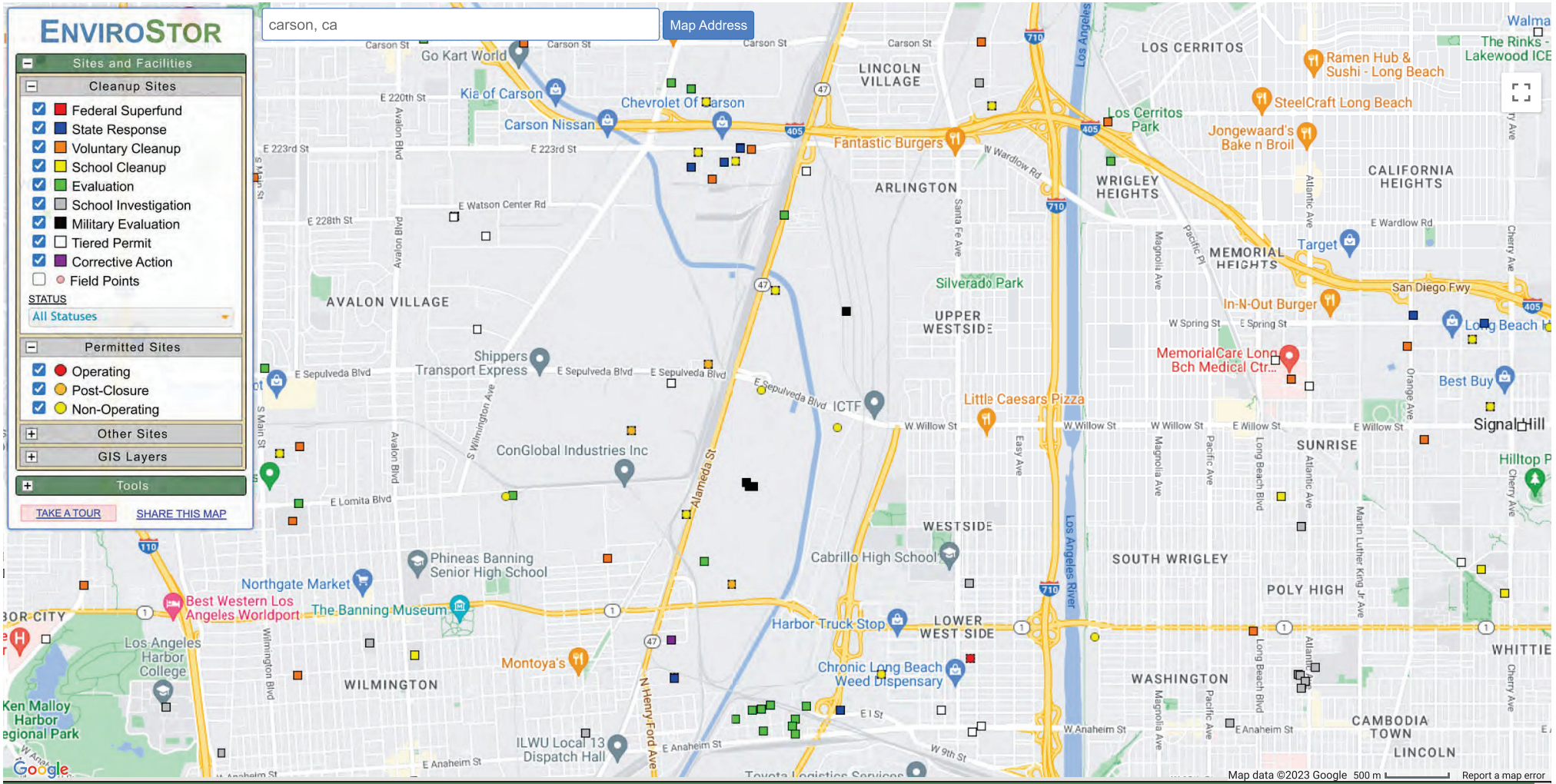
California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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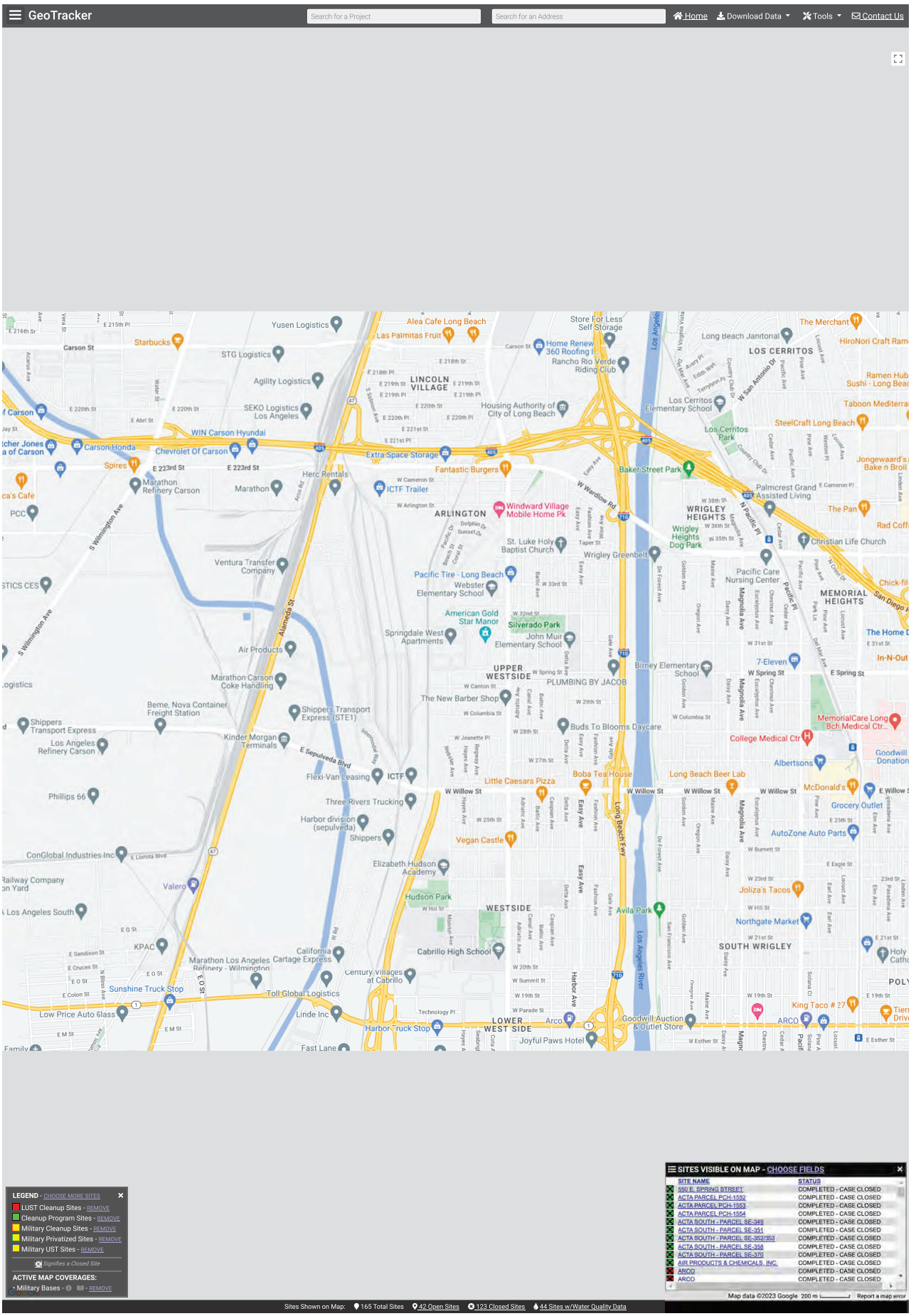
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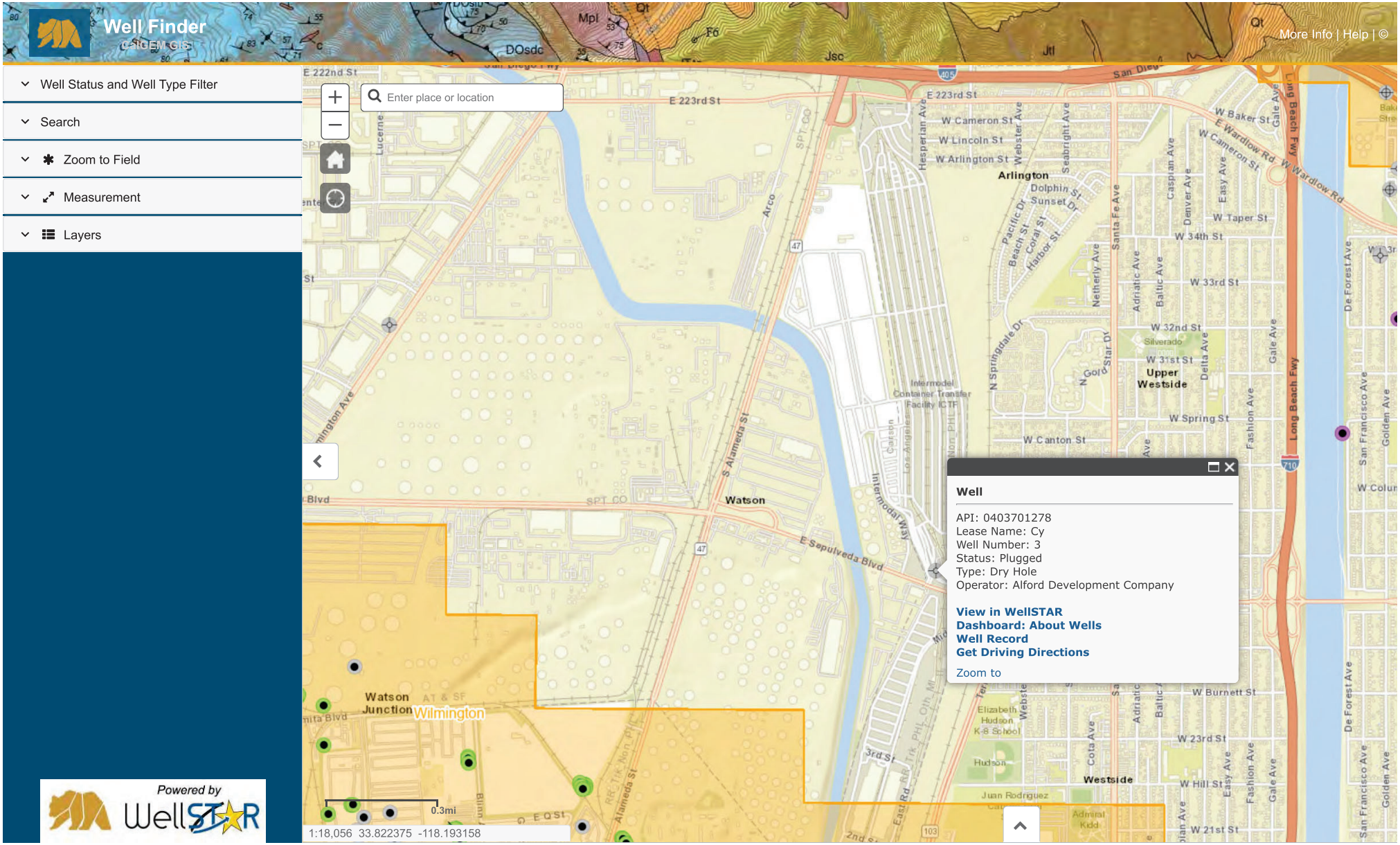
Regulatory Agency Records



SITES CURRENTLY VISIBLE ON MAP — 145 SITES LISTED — EXPORT THIS LIST TO EXCEL

PROJECT NAME	STATUS	PROJECT TYPE	ADDRESS	CITY
1661 W 240TH STREET, FORMER SHACHIHATA, INC. SITE	ACTIVE	VOLUNTARY CLEANUP	1661 W. 240TH STREET	HARBOR CITY
1795 LONG BEACH BOULEVARD	CERTIFIED O&M - LAND USE RESTRICTIONS ONLY	VOLUNTARY CLEANUP	1795 LONG BEACH BOULEVARD	LONG BEACH
20TH STREET SCHOOL	CERTIFIED	SCHOOL CLEANUP	1777 EAST 20TH STREET	SIGNAL HILL
AJC SANDBLASTING, INC.	REFER: 1248 LOCAL AGENCY	EVALUATION	932 SCHLEY AVE.	WILMINGTON
ALAMEDA ST SAN LDFL	INACTIVE - NEEDS EVALUATION	EVALUATION	22700 S ALAMEDA ST	CARSON
ALAMITOS LAND/BIXBY HILL	INACTIVE - NEEDS EVALUATION	EVALUATION	HATHAWAY/TEMPLE/HILL ST. AREA	SIGNAL HILL
ALFA CORPORATION	REFER: 1248 LOCAL AGENCY	EVALUATION	1638 W. 227TH ST.	TORRANCE
ALLWASTE SERVICES, INC.	CLOSED	NON-OPERATING	925 W ESTHER ST	LONG BEACH
ALPERT & ALPERT IRON & METAL	REFER: 1248 LOCAL AGENCY	EVALUATION	21930 S. WILMINGTON AVE.	CARSON
ANAHEIM STREET SCHOOL	INACTIVE - NEEDS EVALUATION	SCHOOL INVESTIGATION	ANAHEIM STREET/PACIFIC AVENUE	LONG BEACH
ASCON OPERATOR ASBURY TRANSPORTATION	REFER: EPA	EVALUATION	BOUNDED NORTH BY LOMITA BLVD., SOUTH BY Q ST, WEST BY BLINN AND EAST BY ALAMEDA ST.	WILMINGTON

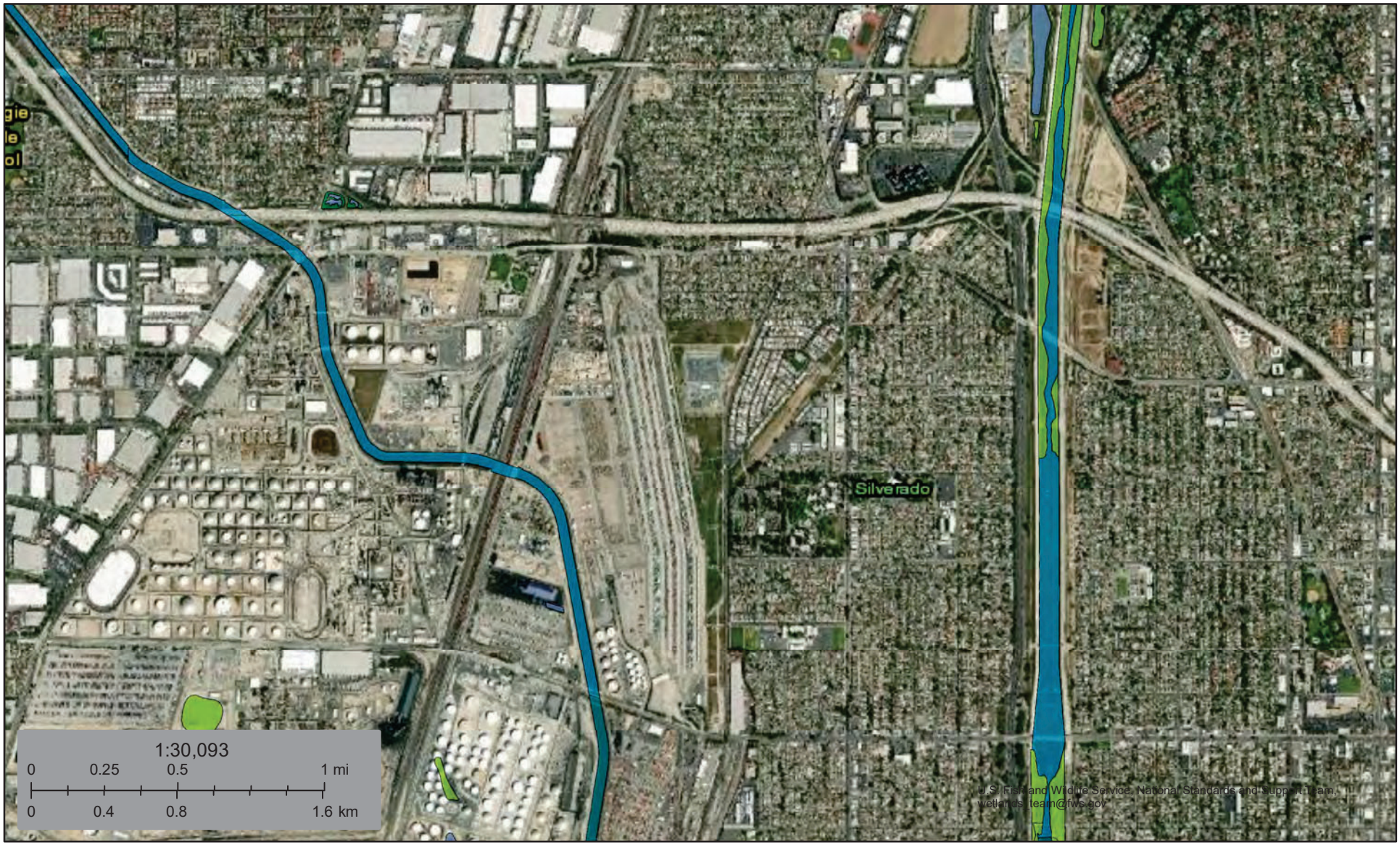

GeoTracker
Search for a Project
Search for an Address
Home
Download Data
Tools
Contact Us
LEGEND - CHOOSE MORE SITES
LUST Cleanup Sites - REMOVE
Cleanup Program Sites - REMOVE
Military Cleanup Sites - REMOVE
Military Privatized Sites - REMOVE
Military UST Sites - REMOVE
Signifies a Closed Site
ACTIVE MAP COVERAGES:
- Military Bases -
SITES VISIBLE ON MAP - CHOOSE FIELDS
SITE NAME
STATUS
950 E. SPRING STREET COMPLETED - CASE CLOSED
ACTA PARCEL PCH-1552 COMPLETED - CASE CLOSED
ACTA PARCEL PCH-1553 COMPLETED - CASE CLOSED
ACTA PARCEL PCH-1554 COMPLETED - CASE CLOSED
ACTA SOUTH - PARCEL SE-349 COMPLETED - CASE CLOSED
ACTA SOUTH - PARCEL SE-351 COMPLETED - CASE CLOSED
ACTA SOUTH - PARCEL SE-352/353 COMPLETED - CASE CLOSED
ACTA SOUTH - PARCEL SE-358 COMPLETED - CASE CLOSED
ACTA SOUTH - PARCEL SE-370 COMPLETED - CASE CLOSED
AIR PRODUCTS & CHEMICALS, INC. COMPLETED - CASE CLOSED
ARCO COMPLETED - CASE CLOSED
ARCO COMPLETED - CASE CLOSED
Sites Shown on Map: 165 Total Sites 42 Open Sites 123 Closed Sites 44 Sites w/Water Quality Data
Map data ©2023 Google 200 m
Report a map error


Well Finder
CalGEM GIS
More Info | Help | ©
Well Status and Well Type Filter
Search
Zoom to Field
Measurement
Layers
Enter place or location
Well
API: 0403701278
Lease Name: Cy
Well Number: 3
Status: Plugged
Type: Dry Hole
Operator: Alford Development Company
View in WellSTAR
Dashboard: About Wells
Well Record
Get Driving Directions
Zoom to
Watson
Arlington
Upper Westside
Westside
Watson Junction
Wilmington
E Sepulveda Blvd
E 223rd St
W Lincoln St
W Arlington St
W Cameron St
W 34th St
W 33rd St
W 32nd St
W 31st St
W Spring St
W Canton St
W Burnett St
W 23rd St
W Hill St
W 21st St
Long Beach Fwy
Intermodal Container Transfer Facility ICTF
Hudson
Elizabeth Hudson K-8 School
Juan Rodriguez
Admiral Kidd
0.3mi
1:18,056 33.822375 -118.193158
Powered by WellSTAR

U.S. Fish and Wildlife Service

National Wetlands Inventory

wetlands avocet



April 20, 2023

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

DEFENSE ENVIRONMENTAL RESTORATION PROGRAM
FORMERLY USED DEFENSE SITES
FINDINGS AND DETERMINATION OF ELIGIBILITY

WILMINGTON CLASS AND HOLD YARD
WILMINGTON, CALIFORNIA
SITE NO. J09CA073000

FINDINGS OF FACT

1. The property comprising the Wilmington Class and Hold Yard was acquired by the U.S. Army during the years 1943 and 1944. Records indicate that 272.23 acres were leased from the City of Los Angeles (W2972-eng-755 and W04-193-eng-4356). Approximately 1.55 acres were leased from the Watson Land Company (W04-193-eng-2652). Approximately 0.65 acres were acquired by permit and 0.142 acres were acquired by license from various private and public parties. Thus, a total of 274.57 acres were acquired by the Army for the Wilmington Class and Hold Yard.

2. The site was used by the U.S. Army as a loading and storage area for military equipment awaiting shipment. Improvements to the site, all constructed in 1943 and 1944, included three warehouses, a railroad spur, sewer and water lines. No visible indications of unsafe debris, contamination, or ordnance were observed at the site resulting from DOD use or ownership. **However, DOD may have installed two underground storage tanks on the north side of existing warehouse No. 17, which was used as an ordnance filler depot to the Port of Los Angeles.**

3. In the months of May and June 1946, 201.57 and 73 acres, respectively, of the Classification and Hold Yard were declared surplus. On 1 July 1946 the 274.57 acre site was formally transferred to the Veterans Administration. Following this, no transfer records were found that describe the termination of numerous leases, permits, and licenses that were acquired for this site. However, through conversations with the Real Property Division of the City of Los Angeles it has been determined the City of Los Angeles currently owns 274.57 acres previously leased to the Army for the former Wilmington Classification and Hold Yard. This property is associated with the Port of Los Angeles and is used to support loading and storage activities, import and export operations, and oil refining.

SITE No. J09CA073000

DETERMINATION

Based on the foregoing Findings of Fact, this site has been determined to be formerly used by the Department of Defense (DoD). It is therefore eligible for the Defense Environmental Restoration Program, Formerly Used Defense Sites, established under 10 USC 2701, et seq.

30 Sep 99
DATE

for Peter T. Madsen
Colonel (P). U.S. Army
Commanding

SITE SURVEY SUMMARY SHEET
FOR
DERP-FUDS SITE NO. J09CA073000
WILMINGTON CLASS AND HOLD YARD
Original 30 June 1993
Supplemental 29 July 1999

SITE NAME: Wilmington Class and Hold Yard, **also known as Wilmington Classification and Hold Yard.**

LOCATION: City of Los Angeles, California.

SITE HISTORY: The property was acquired in 1943 and 1944 as a place to store equipment awaiting shipment. Improvements to the site, all constructed in 1943 and 1944, included three warehouses, a railroad spur, sewer and water lines. No visible indications of unsafe debris, contamination, or ordnance were observed at the site resulting from DOD use or ownership. **However, a recent investigation indicated that there may be two DOD-installed underground storage tanks (USTs), located on the north side of the existing warehouse No. 17 (formerly Manuel Warehouse No. 3), which was utilized as an ordnance filler depot to the Port of Los Angeles during World War II.**

In the months of May and June 1946, 201.57 and 73 acres, respectively, of the Class and Hold Yard were declared surplus. On 1 July 1946 the land was transferred to the Veterans Administration. The City of Los Angeles currently owns 272.23 acres of the former Wilmington Class and Hold Yard.

The property is currently being beneficially used for many purposes. Business located on the property include shipping container platforms for loading and unloading container on to railroad cars (Intermodal Container and Transportation Facility), sulfur storage (California Sulfur Company), import and export operations (Import Dealers Service Corporation), warehouses (Port of Los Angeles, California Cartage Company, Inc.) and a refinery (Texaco). **The USTs located north of Warehouse No. 17 may not have been beneficially used since DOD use of the property. The DOD also constructed and utilized a railyard during World War II. Various types and sources of subsurface soil contamination have been identified in the railyard portion of the site. Subsequent tenants have beneficially used this railyard; therefore, the subsurface contamination does not appear to be exclusively attributable to DOD use.**

SITE VISIT: A site visit was conducted on 6 April 1993 by Frank Scognamillo and David Eckstein of Ebasco Environmental, Santa Ana, California. No apparent DOD related contamination was visible. **The current tenant, Cal Cartage, Inc. denied access to Perry Russell and Karin Anderson of Science Applications International Corporation (SAIC), Santa Barbara, California, on 15 July 1999, for a site visit. Cal Cartage requested that Mr. Russell and Ms. Anderson acquire access through the Port of Los Angeles, the owners of the property. A lack of time precluded access to the property through the Port of Los Angeles.**

CATEGORY OF HAZARD: CON/HTRW, OE

PROJECT DESCRIPTION:

CON/HTRW: Two USTs of unknown size may be located on the north side of existing Warehouse No. 17. Recommend pursue further investigation regarding existence of tanks and potential beneficial use by subsequent site tenants.

OE: Recommend the Huntsville Engineering and Support Center make a determination regarding further investigation at this site.

AVAILABLE STUDIES AND REPORTS: A real estate file is maintained by the Real Estate Division, Los Angeles District, U.S. Army Corps of Engineers.

A report entitled "Basic Historical Report of Los Angeles Ordnance Depot, Wilmington, California", prepared and edited by Harris W. Swan Jr. Capt. Ord., Dept. Assistant, is available in Record Group 156, Box #1, 314.7, at the National Archives, Laguna Niguel, California.

The following reports are available at the Port of Los Angeles, Environmental Management Department:

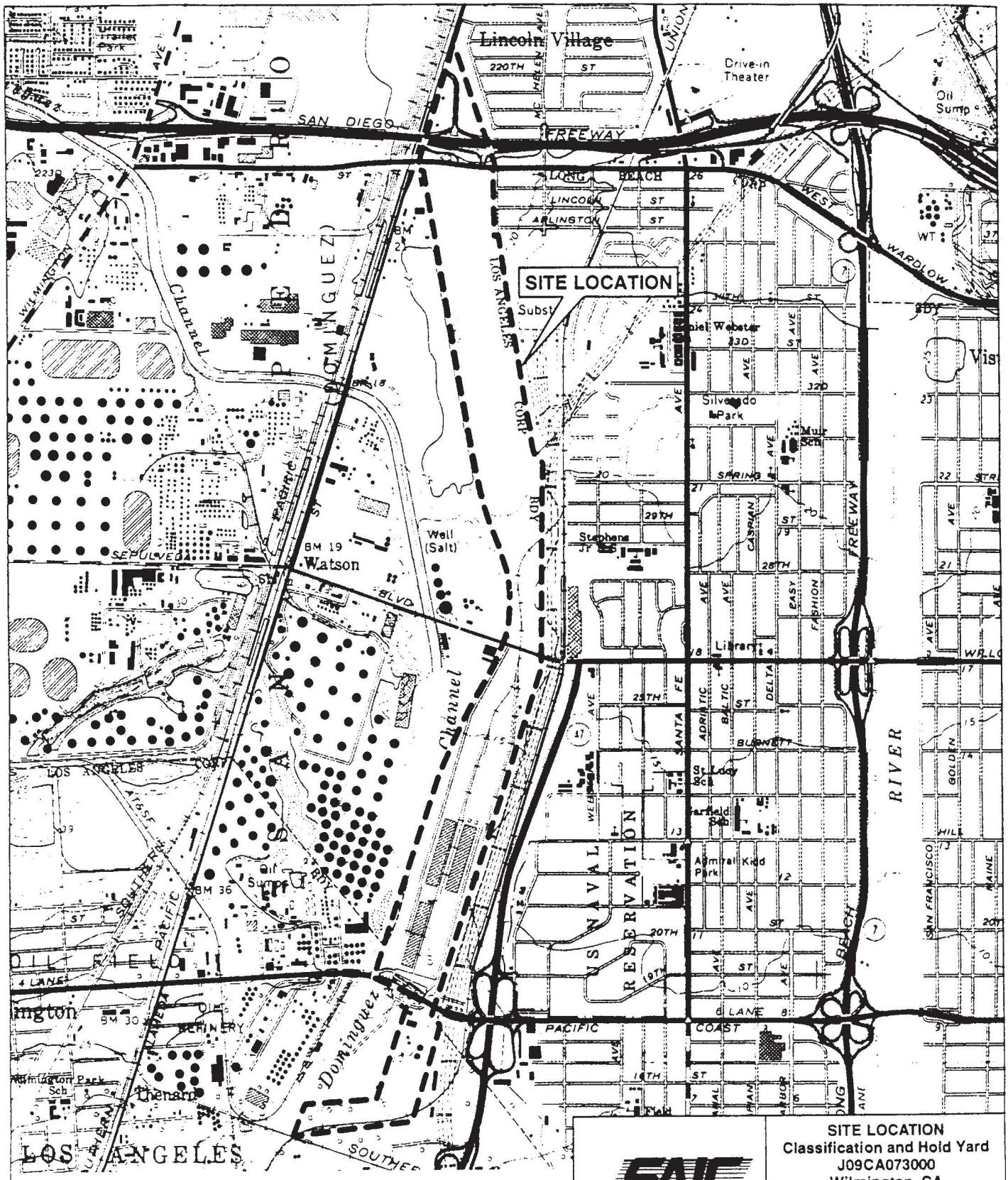
Preliminary Site Assessment Report for the Port of Los Angeles Manual Yard Rail Facility, Wilmington, California, prepared for Worldport LA by Woodward-Clyde Consultants, May 1997.

Manuel Yard Intermodal Terminal Conceptual Design Report, prepared for Worldport LA by Holmes & Narver, March 1997.

SITE No. J09CA073000

Soil Investigation Report for the Port of Los Angeles Manual Yard Rail Facility, Los Angeles, California, prepared for Worldport LA by Woodward-Clyde Consultants, April 1998.

DISTRICT POC: Jeffery B. Armentrout, Los Angeles District,(213) 452-3720.



Scale

0 0.5 1.0

Mile

Reference: USGS 7.5 Min. Quadrangle: Long Beach, CA; 1964, Photorevised 1981 T4S, R13W, No Sec. No.

N

SAIC

Science Applications International Corporation

An Employee-Owned Company

SITE LOCATION
Classification and Hold Yard
J09CA073000
Wilmington, CA
Supplemental

PROJECT NO.
01-0236-04-1838-200

DRAWN BY	CHECKED BY	DATE
KA	PR	7-99

PROJECT SUMMARY SHEET
FOR DERP-FUDS CON/HTRW PROJECT NO. J09CA073001
Wilmington Class and Hold Yard
Wilmington, California
Site No. J09CA073000
27 July 1999

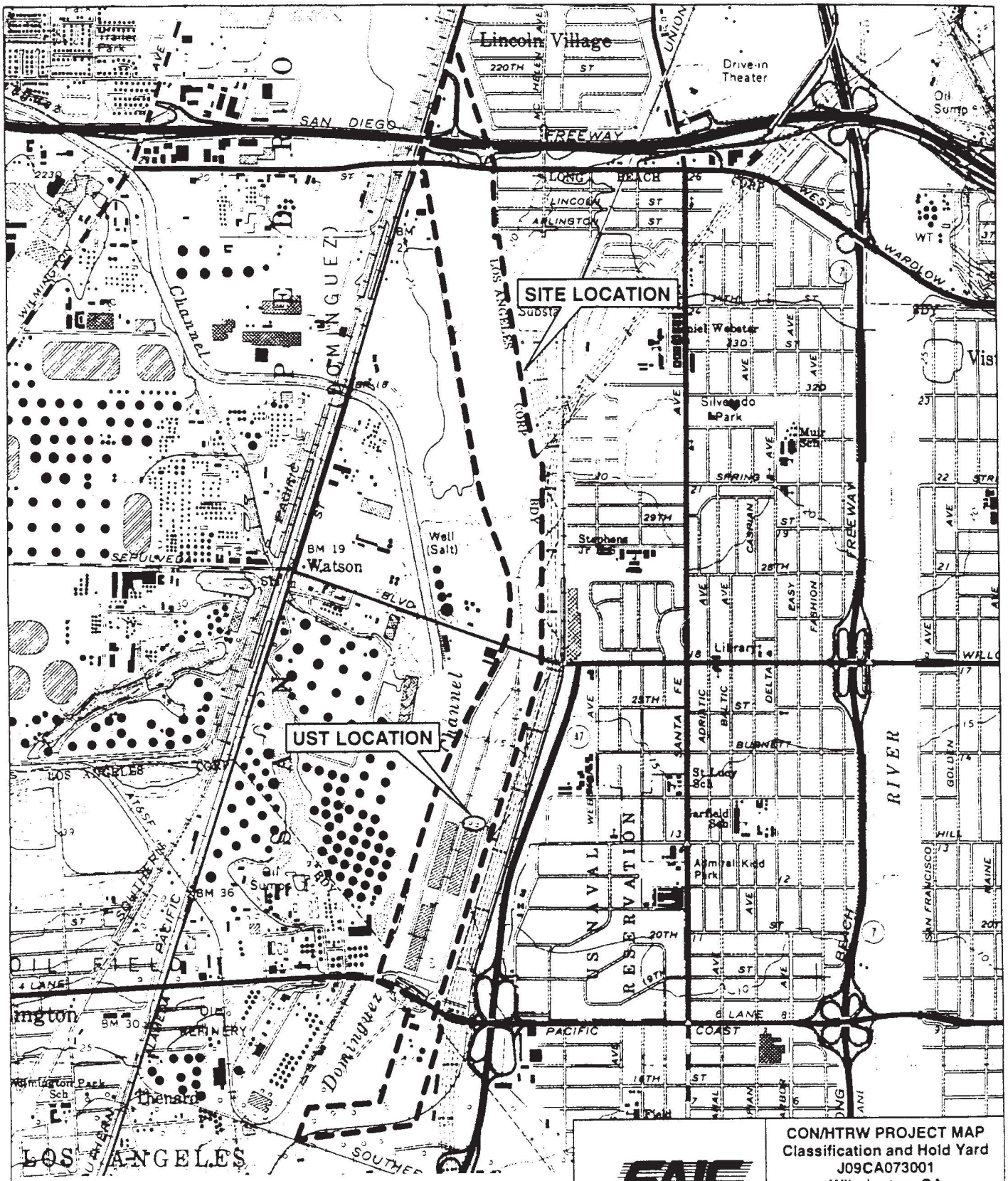
PROJECT DESCRIPTION: Based on information provided by Mr. Christopher Foley, Marine Environmental Supervisor, Environmental Management Division for the Port of Los Angeles, two underground fuel storage tanks (USTs) of unknown size may be present at the site. The depth of the tanks is also unknown. The tanks are potentially located on the north side of the existing Warehouse No. 17 (formerly Los Angeles Ordnance Depot, Manuel Warehouse No. 3).

PROJECT ELIGIBILITY: DOD controlled the subject property from 1944 until 1946 and evidence suggests that the DOD used the USTs during this time period.

POLICY CONSIDERATIONS: Based on available records it appears that the DOD relinquished control of the property in 1946. It is unclear if the Port of Los Angeles or any current or previous occupant of the property beneficially used the USTs subsequent to DOD use. No releases have been documented from these USTs. No other policy considerations are known to affect proposal of this project.

PROPOSED PROJECT: Pursue further investigation regarding existence of the tanks.

DISTRICT POC: Jeffrey B. Armentrout, Los Angeles District (213) 452-3720.



Reference: USGS 7.5 Min. Quadrangle: Long Beach, CA: 1964, Photorevised 1981 T4S, R13W, No Sec. No.

SAIC
Science Applications International Corporation
An Employee-Owned Company

CON/HTRW PROJECT MAP
Classification and Hold Yard
J09CA073001
Wilmington, CA
Supplemental

PROJECT NO.
01-0236-04-1838-200

DRAWN BY	CHECKED BY	DATE
KA	PR	7-99

Project Present Value Cost Summary Report

Project

Name: Wilmington Class & Holding Yard Wilmington, Ca.
ID: J09CA0730
Location: LOS ANGELES DEFENSE AREA, CALIFORNIA
Description: CON\HTRW Site investigation to determine existence of tanks and potential beneficial use by subsequent site tenants.

Site

Name: UST SITES
ID: 01
Type: Con/HTRW
Description: Pursue further investigation regarding existance of Tanks.

Phase Element Type	Phase Element Name	Capital Cost	O&M Cost
Studies	PEA	51,323	
Remedial Design	RA-C	19,896	
Remedial Action	RA-C	331,599	
	Site Totals	**402,818**	**0**
	Project Totals	**$402,818**	**$0**

Note: All costs are shown as "Present Value" costs
(with markups, non-escalated)

Cost Database Date1/1/99

Print Date: 9/28/99 1:07:25 PM

This report for official U.S. Government use only.

Project Escalated Cost Summary Report

Project

Name: Wilmington Class & Holding Yard Wilmington, Ca.
ID: J09CA0730
Location: LOS ANGELES DEFENSE AREA, CALIFORNIA
Description: CON\HTRW Site investigation to determine existence of tanks and potential beneficial use by subsequent site tenants.

Cost Category (Phase Element)	Direct Cost	Markups	Total Costs
Studies	$18,150	$33,173	$51,323
Remedial Design	$9,745	$10,151	$19,896
Remedial Action (Capital)	$162,411	$169,188	$331,599
Subtotal:	$190,306	$212,512	$402,818
		Escalation Dollars:	$9,909
		Total Project Cost	$412,727

Note: All costs are shown as "Present Value" costs (with markups and escalation)

Cost Database Date1/1/99

Print Date: 9/28/99

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09/28/1999 13:48 5165577626 CESPK-ED PAGE 05/05

Project Present Value Cost Summary Report

Project
Name: Wilmington Class & Holding Yard Wilmington, Ca.
ID: J09CA0730
Location: LOS ANGELES DEFENSE AREA, CALIFORNIA
Description: CON\HTRW Site investigation to determine existence of tanks and potential beneficial use by subsequent site tenants.

Site
Name: UST SITES
ID: 01
Type: Con/HTRW
Description: Pursue further investigation regarding existance of Tanks.

Phase Element Type	Phase Element Name	Capital Cost	O&M Cost
Studies	PEA	51,323	
Remedial Design	RA-C	19,896	
Remedial Action	RA-C	331,599	
	Site Totals	**402,818**	**0**
	Project Totals	**$402,818**	**$0**

Note: All costs are shown as "Present Value" costs
(with markups, non-escalated)

Cost Database Date 1/1/99

Print Date: 9/28/99 1:07:25 PM

This report for official U.S. Government use only.

Project Escalated Cost Summary Report

Project

Name: Wilmington Class & Holding Yard Wilmington, Ca.
ID: J09CA0730
Location: LOS ANGELES DEFENSE AREA, CALIFORNIA
Description: CON\HTRW Site investigation to determine existence of tanks and potential beneficial use by subsequent site tenants.

Cost Category (Phase Element)	Direct Cost	Markups	Total Costs
Studies	$18,150	$33,173	$51,323
Remedial Design	$9,745	$10,151	$19,896
Remedial Action (Capital)	$162,411	$169,188	$331,599
Subtotal:	$190,306	$212,512	$402,818
		Escalation Dollars:	$9,909
		Total Project Cost	$412,727

Note: All costs are shown as "Present Value" costs (with markups and escalation)

Cost Database Date1/1/99

This report for official U.S. Government use only.

PROJECT SUMMARY SHEET
FOR DERP-FUDS OE PROJECT NO. J09CA073002
Wilmington Class and Hold Yard, Wilmington, California
Site No. J09CA073000
27 July 1999

PROJECT DESCRIPTION: This site was used as a DOD ordnance depot from 1944 to 1946. Because the former ordnance depot is currently used as a freight distribution center, it is unlikely that ordnance remains from DOD occupation of the property. However, a detailed site walk and personal interviews were not completed as part of this investigation due to denial of site access by the current tenant.

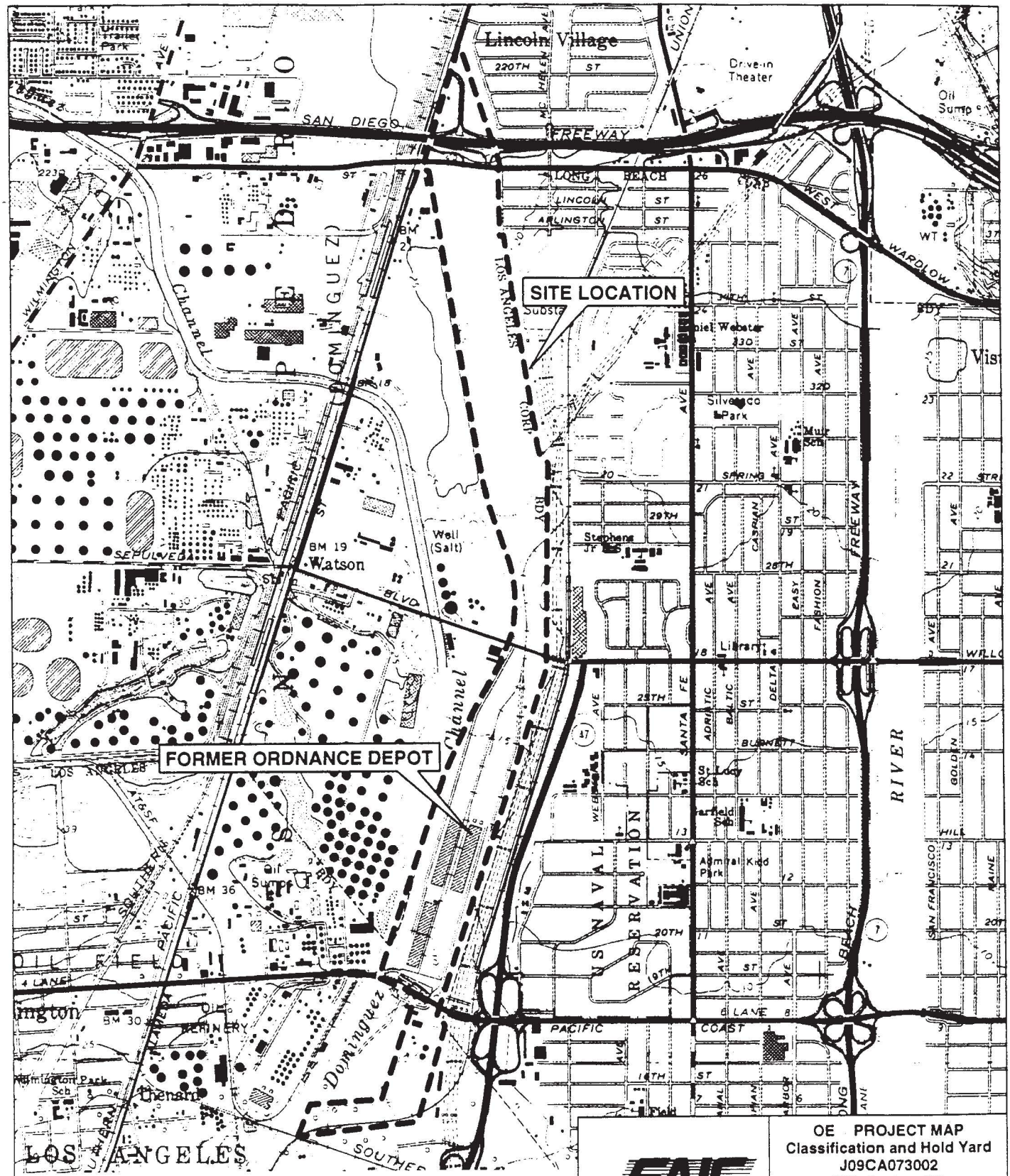
PROJECT ELIGIBILITY: DOD controlled the subject property from 1944 until 1946 and evidence suggests that the DOD used existing warehouse No. 17 as an ordnance filler depot to the Port of Los Angeles. Ordnance found on the property may be the result of DOD activity.

POLICY CONSIDERATIONS: There are no policy considerations that prevent proposal of this project.

PROPOSED PROJECT: Recommend the Huntsville Engineering and Support Center make a determination regarding further investigation at this site.

RAC FORM: Attached.

DISTRICT POC: Jeffrey B. Armentrout, Los Angeles District (213) 452-3720.



Reference: USGS 7.5 Min. Quadrangle: Long Beach, CA; 1964, Photorevised 1981 T4S, R13W, No Sec. No.

SAIC
Science Applications International Corporation
An Employee-Owned Company

OE PROJECT MAP
Classification and Hold Yard
J09CA073002
Wilmington, CA
Supplemental

PROJECT NO.
01-0236-04-1838-200

DRAWN BY	CHECKED BY	DATE
KA	PR	7-99

18 June 1999

RISK ASSESSMENT PROCEDURES FOR ORDNANCE AND EXPLOSIVES (OE) SITES

Site Name Wilmington Class and Hold Yard
Site Location Wilmington, CA
DERP Project # J09CA073001
Date Completed July 15, 1999

Rater's Name Perry Russel - SAIC
Phone Number (805) 966 - 0811
Organization L.A. Dist.
Score 4 Recommended 5

OE RISK ASSESSMENT:

This risk assessment procedure was developed in accordance with MIL-STD 882C and AR 385-10. The Risk Assessment Code (RAC) score will be used by the U.S. Army Engineering and Support Center, Huntsville (USAESCH), Ordnance and Explosives Team (USAESCH-OE) to prioritize the remedial action(s) at Formerly Used Defense Sites (FUDS). The risk assessment should be based on the best available information resulting from records searches, reports of Explosive Ordnance Disposal (EOD) Detachments actions, field observations, interviews, and measurements. This information is used to assess the risk involved based on the potential OE hazards identified at the site. The risk assessment is composed of two factors, hazard severity and hazard probability. Personnel involved in visits to potential OE sites should view the USAESCH-OE videotape entitled "A Life Threatening Encounter: OEW".

Part 1. Hazard Severity. Hazard severity categories are defined to provide a qualitative measure of the worst credible event resulting from personnel exposure to various types and quantities of unexploded ordnance.

TYPE OF ORDNANCE: (Circle all that apply)	VALUE
A. Conventional ordnance and ammunition:	
Medium/large caliber (20mm and larger)	10
Bombs, explosive	10
Grenades, hand or rifle, explosive	10
Landmine, explosive	10
Rockets, guided missile, explosive	10
Detonators, blasting caps, fuzes, boosters, bursters	6
Bombs, practice (w/spotting charges)	6

Grenades, practice (w/spotting charges)	4
Landmine, practice (w/spotting charges)	4
Small arms, complete round (.22 cal -.50 cal)	(1)
Small arms, expended	0
Practice ordnance (wo/spotting charges)	0

Conventional ordnance and ammunition (largest single value) 1

What evidence do you have regarding conventional unexploded ordnance? An ordnance inventory dated 23 February, 1944

B. Pyrotechnics (for munitions not described above):	VALUE
Munition (containers) containing White Phosphorus (WP) or other pyrophoric material (i.e., spontaneously flammable)	10
Munition containing a flame or incendiary material (i.e., Napalm, Triethylaluminum metal incendiaries)	6
Flares, signals, simulators, screening smokes (other than WP)	4

Pyrotechnics (select the single largest value) 0

What evidence do you have regarding pyrotechnics?

C. Bulk High Explosives (HE) (not an integral part of conventional ordnance; uncontainerized):	VALUE
Primary or initiating explosives (Lead Styphnate, Lead Azide, Nitroglycerin, Mercury Azide, Mercury Fulminate, Tetracene, etc.)	10
Demolition charges	10
Secondary explosives (PETN, Compositions A, B, C, Tetryl, TNT, RDX, HMX, HBX, Black Powder, etc.)	8

Military dynamite	6
Less sensitive explosives (Ammonium Nitrate, Explosive D, etc.)	3
High explosives (select the largest single value)	0

What evidence do you have regarding bulk explosives?_____

D. Bulk propellants (not an integral part of rockets, guided missiles, or other conventional ordnance; uncontainerized):

	VALUE
Solid or liquid propellants	6
Propellants	0

What evidence do you have regarding bulk propellants?_____

E. Chemical Warfare Materiel (CWM) and Radiological Weapons:

	VALUE
Toxic chemical agents (choking, nerve, blood, blister)	25
War Gas Identification Sets	20
Radiological	15
Riot Control Agents (vomiting, tear)	5
Chemical and Radiological (select the largest single value	0

What evidence do you have regarding chemical or radiological?_____

TOTAL HAZARD SEVERITY VALUE (Sum of value A through E (maximum of 61) 1

Apply this value to Table 1 to determine Hazard Severity Category

TABLE 1
HAZARD SEVERITY*

DESCRIPTION	CATEGORY	HAZARD SEVERITY VALUE
CATASTROPHIC	I	21 and/or greater
CRITICAL	II	10 to 20
MARGINAL	III	5 to 9
NEGLIGIBLE	(IV)	(1 to 4)
**NONE	V	0

*Apply Hazard Severity Category to Table 3

**If hazard severity value is 0, you do not need to complete Part II of this form. Proceed to Part III and use a RAC score of 5 to determine your appropriate action.

PART II. Hazard Probability. The probability that a hazard has been, or will be, created due to the presence and other rated factors of unexploded ordnance or explosive materials on a formerly used Department of Defense (DoD) site.

AREA, EXTENT, ACCESSIBILITY OF OE HAZARD (Circle all that apply)

A. Locations of OE hazards:	VALUE
On the surface	5
Within tanks, pipes, vessels, or other confined areas	4
Inside walls, ceilings, or other building/structure	3
Subsurface	(2)

Location (select the single largest value) 2

What evidence do you have regarding location of OE? No specific information regarding location except entire warehouse No. 17 was used as an ordnance depot.

B. Distance to nearest inhabited location/structure likely to be at risk from OE hazard (road, park, playground, building, etc.) — VALUE

Less than 1,250 feet	(5)
1,250 feet to 0.5 mile	4
0.5 mile to 1.0 mile	3
1.0 mile to 2.0 Miles	2
Over 2 miles	1

Distance (select the single largest value) 5

What are the nearest inhabited structures/buildings? Former Ordnance depot is active freight distribution warehouse.

C. Number(s) of building(s) within a 2-mile radius measured from the OE hazard area, not the installation boundary. — VALUE

26 and over	(5)
16 to 25	4
11 to 15	3
6 to 10	2
1 to 5	1
0	0

Number of buildings (select the single largest value) 5

Narrative: Surrounded by other warehouse, industrial buildings, a petroleum tank farm, and a refinery

D. Types of Buildings (within a 2 mile radius) — VALUE

Educational, child care, residential, hospitals hotels, commercial, shopping centers	5
Industrial, warehouse, etc.	(4)

Agricultural, forestry, etc.	3
Detention, correctional	2
No buildings	0
Types of buildings (select the single largest value	4

Describe the types of buildings: Same as C.

E. Accessibility to site refers to access by humans to ordnance and explosives. Use the following guidance:	VALUE
No barrier nor security system	(5)
Barrier is incomplete (e.g., in disrepair or does not completely surround the site). Barrier is intended to deny egress from the site, as for a barbed wire fence for grazing.	4
A barrier (any kind of fence in good repair) but no separate means to control entry. Barrier is intended to deny access to the site.	3
Security Guard, but no barrier	2
Isolated site	1
A 24-hour surveillance system (e.g., television monitoring or surveillance by guards or facility personnel continuously monitors and controls entry; or, an artificial or natural barrier (e.g., fence combined with a cliff) which completely surrounds the area; and, a means to control entry at all times through the gates or other entrances (e.g., an attendant, television monitors, locked entrances, or controlled roadway access to the area).	0
Accessibility (select the single largest value)	5

Describe the site accessibility: Former ordnance depot is active warhouse with many employees.

F. Site Dynamics. This deals with site conditions are subject to change in the future, but may be stable at the present. Examples would be excessive soil erosion on beaches or streams, increasing land development that could reduce distances from the site to inhabited areas or otherwise increase accessibility. VALUE

Expected 5
None anticipated (0)

Site dynamics (select value) 0

Describe the site dynamics;

TOTAL HAZARD PROBABILITY VALUE (sum of largest values for A through F (maximum of 30) 21

Apply this value to Hazard Probability Table 2 to determine the Hazard Probability Level.

TABLE 2
HAZARD PROBABILITY

DESCRIPTION	LEVEL	HAZARD PROBABILITY VALUE
FREQUENT	A	27 or greater
PROBABLE	(B)	(21 to 26)
OCCASIONAL	C	15 to 20
REMOTE	D	8 to 14
IMPROBABLE	E	less than 8

*Apply Hazard Probability Level to Table 3.

Part III. Risk Assessment. The risk assessment value for this site is determined using the following Table. Enter the results of the Hazard Probability and Hazard Severity values.

TABLE 3

PROBABILITY LEVEL	FREQUENT A	PROBABLE B	OCCASIONAL C	REMOTE D	IMPROBABLE E
SEVERITY CATEGORY:					
CATASTROPHIC I	1	1	2	3	4
CRITICAL II	1	2	3	4	5
MARGINABLE III	2	3	4	4	5
NEGLIGIBLE IV	3	(4)	4	5	5

RISK ASSESSMENT CODE (RAC)

RAC 1 Expedite INPR, recommending further action by USAESCH-Immediately call USAESCH-OE-S (comm 256-895-1582/1598).

RAC 2 High priority on completion of INPR-Recommend further action by USAESCH.

RAC 3 Complete INPR-Recommend further action by USAESCH.

(RAC 4) Complete INPR-Recommend further action by USAESCH.

RAC 5 Usually indicates that No DOD Action Indicated (NDAI) is necessary, Submit NDAI and RAC to USAESCH.

PART IV. Narrative. Summarize the documented evidence that supports this risk assessment. If no documented evidence was available, explain all the assumptions that you made.

See attached justification.

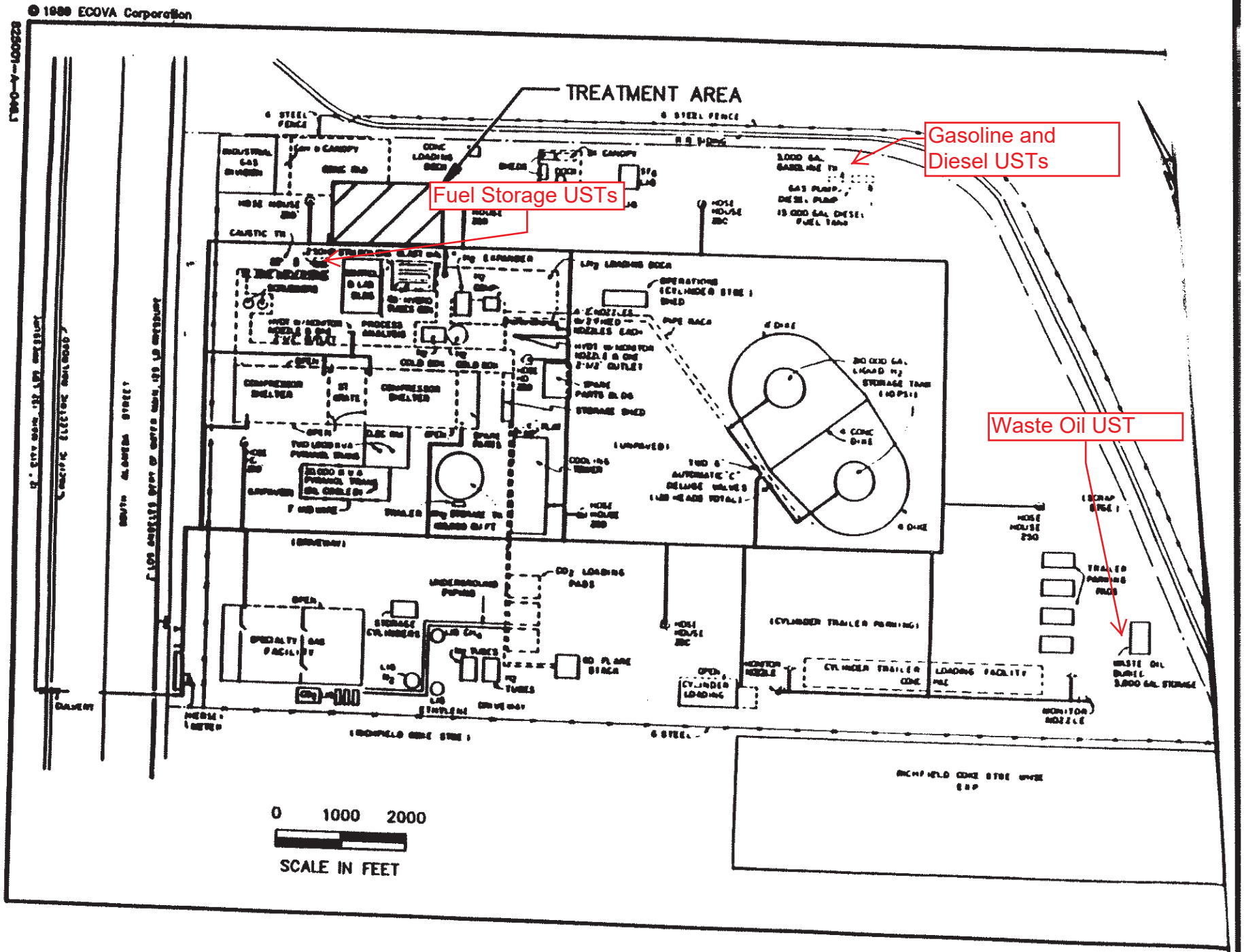
RISK ASSESSMENT PROCEDURES FOR
ORDNANCE AND EXPLOSIVES (OE) SITES
FOR
DERP-FUDS SITE NO. J09CA073000
WILMINGTON CLASS AND HOLD YARD
WILMINGTON, CALIFORNIA

Numerous historical documents indicate that 200,000-square foot Manuel Warehouse No. 3 (currently warehouse No. 17) and surrounding buildings were used as an ordnance depot at the site from 1944 to 1946. An ordnance inventory, dated 23 February 1944, indicates that small arms, automatic weapons, grenade launchers, anti-aircraft artillery, as well as various non-ordnance supplies, were stored and transferred from this warehouse to the Port of Embarkation at the Port of Los Angeles.

The site is currently owned by the Port of Los Angeles (part of the City of Los Angeles) and leased to California Cartage, Inc. (Cal Cartage), a company which receives, redistributes, and then exports freight through the Port of Los Angeles. Existing warehouse No. 17 (former Manuel Warehouse No. 3) is currently used as part of the Cal Cartage freight business, therefore, it is unlikely that ordnance remains at the site. However, this supposition was indeterminate since a detailed site visit was denied by Cal Cartage. They requested that permission for a site visit be acquired from the Port of Los Angeles, the site owner. Time limitations precluded gaining access to the site for completion of a visual inspection and personal interviews.

A risk assessment code score of four has been calculated, based on a severity category IV (negligible) and a probability level B (probable). However, due to the transient nature of DOD activity at this site, as well as the current use of the former depot as a freight warehouse, a RAC 5 is recommended.

4907 ;


© 1988 ECOVA Corporation
TREATMENT AREA
Gasoline and Diesel USTs
Fuel Storage USTs
Waste Oil UST
0 1000 2000
SCALE IN FEET

PROVISIONAL PERMIT APPLICATION SUPPLEMENT
HAZARDOUS MATERIALS UNDERGROUND STORAGE
COUNTY OF LOS ANGELES, DEPARTMENT OF PUBLIC WORKS
ENGINEERING SERVICES DIVISION
2250 ALCAZAR STREET LOS ANGELES, CA 90033

RECEIVED
MAY 5 1986
DEPARTMENT OF PUBLIC WORKS
ENGINEERING SERVICES DIVISION

DUE DATE MAY 02 1986

FILE NO 5385
PERMIT NO 3293
R/C CODE 22
SIC CODE
STATE ID# 3098
TGC TGC

THIS FORM MUST ACCOMPANY ALL HMUSP APPLICATIONS
*****See instructions on back of this form*****

IF NO UNDERGROUND TANKS AT THIS FACILITY, GO TO PARTS F & G

03098

(A) AIR PRODUCTS AND CHEMICALS
23320 SOUTH ALAMEDA STREET
LONG BEACH CA 90810

RE: 23320 SOUTH ALAMEDA STREET
LONG BEACH 5385-22

(B) APPLICATION FOR (CHECK ONE ONLY):

EXISTING TANKS	[X]
NEW CONSTRUCTION	[ ]
REPAIR*[ ] MODIFICATION*	[ ]
ADDITIONAL INSTALLATION*	[ ]
CHANGE OF MATERIAL STORED*	[ ]

*ADDITIONAL APPROVAL

(C) ASSESSOR PARCEL IDENTIFICATION (OBTAIN FROM PROPERTY TAX BILL):

MAP BOOK NUMBER_____ PAGE NUMBER_____ PARCEL NUMBER_____

(D) THIS SUPPLEMENT MUST BE ACCOMPANIED BY:

EXISTING TANK APPLICATIONS

* STATE PERMIT APPLICATION FORM(S) FOR EACH CONTAINER, OR	[X]
COPIES OF H.S.S.S. AS FILED WITH STATE (FOR EACH CONTAINER)	[ ]
* A STATEMENT VERIFYING SAFE STORAGE FOR EACH CONTAINER	[ ]
* HMUSP APPLICATION FEE (COMPLETE PART E)	[X]

NEW CONSTRUCTION APPLICATIONS

* STATE PERMIT APPLICATION FORM(S) FOR EACH CONTAINER	[ ]
* FOUR (4) SETS OF CONSTRUCTION PLANS AND SPECIFICATIONS	[ ]
* HMUSP APPLICATION FEE (COMPLETE PART E)	[ ]

(E) HAZARDOUS MATERIALS UNDERGROUND STORAGE PERMIT (HMUSP) FEE SCHEDULE

NUMBER OF TANKS AT FACILITY: 5

NUMBER OF TANKS:	HMUSP APPLICATION FEE	+	STATE SURCHARGE	=	TOTAL FEES DUE
1 - 5	$76	+	$56 PER TANK	=	356.00
6 - 20	$152	+	$56 PER TANK	=	
21 OR MORE	$228	+	$56 PER TANK	=	
ADDITIONAL APPROVALS	$38 EACH TANK		NONE	=	

EXAMPLE: 6 TANKS = $152 + 6($56) = $488 = TOTAL FEES DUE
MAKE CHECKS PAYABLE TO "L. A. COUNTY DEPARTMENT OF PUBLIC WORKS"

(F) TO BE FILLED OUT BY PERSONS CLAIMING AN EXEMPTION TO REGULATION

[ ] THERE ARE NO UNDERGROUND STORAGE TANKS WITHIN THIS FACILITY.
[ ] FINAL INTERCEPTOR(S) REGULATED UNDER INDUSTRIAL WASTE PERMIT #_____.
[ ] UNDERGROUND STORAGE TANK WITHIN THIS FACILITY IS USED ONLY FOR THE EMERGENCY SPILL CONTAINMENT FOR ABOVE GROUND STORAGE TANKS.
[ ] OTHER (ATTACH A WRITTEN STATEMENT)

(G) ALL PERSONS FILING THIS FORM MUST COMPLETE THIS SECTION:

SIGNATURE L. E. Whited TITLE Production Manager

PRINTED NAME L. E. Whited DATE 4/28/86

INSTRUCTIONS

HAZARDOUS MATERIALS UNDERGROUND STORAGE PERMIT (HMUSP)
PERMIT APPLICATION SUPPLEMENT

DO NOT USE THIS FORM FOR CLOSURE, TRANSFER OR RENEWAL OF AN EXISTING HMUSP

(A) Facility name, mailing address and facility address on new permit applications must correspond with information on Part II of the State Permit Application (SPA) form. Please correct mailing label information if affixed for an existing facility.

(B) Use a separate application supplement for each permit activity. Check the new construction box only if there are no existing tanks and no previous HMUSP has been issued for this facility. Additional approval applications must be accompanied by a description of work and four (4) sets of plans and specifications as appropriate. Additional approval requests that change data previously supplied on Parts IV through VIII of the Hazardous Substance Storage Statement (HSSS) as filed with the California Water Resources Control Board or the SPA as filed with a County of Los Angeles HMUSP application shall include an updated SPA. The container number on the updated SPA must correspond with the previous number submitted.

(C) Assessor parcel identification is required for new permit applications at existing facilities and new construction (no existing HMUSP) applications only.

(D) The information required in Part D is the minimum necessary to allow issuance of a Provisional HMUSP. When a Provisional HMUSP has been issued for a facility, the owner will be required to submit for review and approval a facility plot plan, Leak Detection Program (LDP) and a Tank Monitoring Program (TMP) to be implemented in accordance with a timetable to be included within the Provisional HMUSP as conditions and limitations. New construction plans and specifications must show the location of and include details of all containers and monitoring devices proposed. A TMP must be approved and implemented prior to the issuance of a full term HMUSP.

(E) A HMUSP application fee must accompany all applications. The state surcharge is required for first time HMUSP applications (not required for additional approvals). Specify the number of tanks at the facility.

(F) Persons that have been notified to file for a HMUSP and do not store any hazardous materials underground should check the appropriate box and return this form to avoid any unnecessary follow-up mailings.

The storage of hazardous waste in an underground tank where the specific tank is named in a hazardous waste facility permit issued by the California Department of Health Services is not subject to the HMUSP requirements. Owners of such facilities must furnish the permit number for facilities where this exclusion is requested.

Final interceptors in industrial waste pretreatment systems, catch basins, refinery pipelines, lagoons, stormdrains, oil field gathering lines, well cellars, above ground storage tank spill containment, unlined pits or sumps, and piping not directly associated with a permitted facility are not subject to a HMUSP.

(G) Existing facility and new construction HMUSP application supplements and SPA's must be signed by:

1) A principal executive officer at the level of vice-president or by an authorized representitive. The representitive must be responsible for the overall operation of the facility where the tank(s) are located.
2) A general partner proprietor.
3) A principal executive officer, ranking elected official or authorized representitive of a public agency.

Additional approval application supplements may be signed by a person under contract to and authorized by the owner/operator of a facility.

STATE ID NUMBER

APPLICATION FOR PERMIT TO OPERATE UNDERGROUND STORAGE TANK

(X) 01 NEW PERMIT ( ) 05 RENEWED PERMIT ( ) 07 TANK CLOSED ( ) 09 DELETE FROM FILE (NO FEE)
( ) 02 CONDITIONAL PERMIT ( ) 06 AMENDED PERMIT ( ) 08 MINOR CHANGE (NO SURCHARGE)

I OWNER

NAME(COPPORATION,INDIVIDUAL OR PUBLIC AGENCY)		PUBLIC AGENCY ONLY	
Air Products and Chemicals, Inc.		( ) 01 FED ( ) 02 STATE ( ) 03 LOCAL	
STREET ADDRESS: P. O. Box 538	CITY: Allentown	STATE: PA	ZIP: 18105

II FACILITY

FACILITY NAME		DEALER/FOREMEN/SUPERVISOR	
Air Products - Long Beach Facility		Mr. R. L. Shadman	
STREET ADDRESS: 23320 South Alameda Street		NEAREST CROSS STREET	
CITY: Long Beach	COUNTY: Los Angeles		ZIP: 90810
MAILING ADDRESS: Same	CITY: Long Beach	STATE: CA	ZIP: 90810
PHONE W/AREA CODE: - - 213-830-5231	TYPE OF BUSINESS: ( ) 01 GASOLINE STATION (XX) 02 OTHER		
NUMBER OF CONTAINERS: 5	RURAL AREAS ONLY :	TOWNSHIP	RANGE / SECTION

III 24 HOUR EMERGENCY CONTACT PERSON

DAYS: NAME(LAST NAME FIRST) AND PHONE W/AREA CODE	NIGHTS: NAME(LAST NAME FIRST) AND PHONE W/AREA CODE
Shadman, R. L. - - 213-830-5231	Shadman, R. L. - - 805-583-2185

COMPLETE THE FOLLOWING ON A SEPARATE FORM FOR EACH CONTAINER

IV DESCRIPTION

A. (XX) 01 TANK ( ) 02 OTHER: — CONTAINER NUMBER: 28.91

B. MANUFACTURER (IF APPROPRIATE): Unknown — YEAR MFG: Unknown — C. YEAR INSTALLED: 1962 ( ) UNKNOWN

D. CONTAINER CAPACITY: 2000 GALLONS ( ) UNKNOWN — E. DOES THE CONTAINER STORE: ( ) 01 WASTE (X) 02 PRODUCT

F. DOES THE CONTAINER STORE MOTOR VEHICLE FUEL OR WASTE OIL ? (X) 01 YES ( ) 02 NO IF YES CHECK APPROPRIATE BOX(ES):
( ) 01 UNLEADED ( ) 02 REGULAR ( ) 03 PREMIUM (X) 04 DIESEL ( ) 05 WASTE OIL ( ) 06 OTHER

V CONTAINER CONSTRUCTION

A. THICKNESS OF PRIMARY CONTAINMENT: 3/16 ( ) GAUGE (X) INCHES ( ) CM ( ) UNKNOWN

B. ( ) 01 VAULTED (LOCATED IN AN UNDERGROUND VAULT) (X) 02 NON-VAULTED ( ) 03 UNKNOWN

C. ( ) 01 DOUBLE WALLED (X) 02 SINGLE WALLED ( ) 03 LINED

D. ( ) 01 CARBON STEEL ( ) 02 STAINLESS STEEL ( ) 03 FIBERGLASS ( ) 04 POLYVINYL CHLORIDE ( ) 05 CONCRETE
( ) 06 ALUMINUM ( ) 07 STEEL CLAD ( ) 08 BRONZE ( ) 09 COMPOSITE ( ) 10 NON-METALLIC
(X) 12 UNKNOWN ( ) 13 OTHER:

STATE ID NUMBER

CONTAINER CONSTRUCTION

E. ( ) 01 RUBBER LINED ( ) 02 ALKYD LINING ( ) 03 EPOXY LINING ( ) 04 PHENOLIC LINING ( ) 05 GLASS LINING
( ) 07 UNLINED (X) 08 UNKNOWN ( ) 09 OTHER:

F. ( ) 01 POLYETHLENE WRAP ( ) 02 VINYL WRAPPING ( ) 03 CATHODIC PROTECTION (X) 04 UNKNOWN ( ) 05 NONE
( ) 06 TAR OR ASPHALT ( ) 09 OTHER:

VI PIPING

A. ABOVEGROUND PIPING: ( ) 01 DOUBLE-WALLED PIPE ( ) 02 CONCRETE-LINED TRENCH ( ) 03 GRAVITY
(CHECK APPROPRIATE BOX(ES) ( ) 04 PRESSURE ( ) 05 SUCTION ( ) 06 UNKNOWN ( ) 07 NONE

B. UNDERGROUND PIPING: ( ) 01 DOUBLE-WALLED PIPE ( ) 02 CONCRETE-LINED TRENCH ( ) 03 GRAVITY
(CHECK APPROPRIATE BOX(ES) ( ) 04 PRESSURE (X) 05 SUCTION ( ) 06 UNKNOWN ( ) 07 NONE

VII LEAK DETECTION

( ) 01 VISUAL ( ) 02 STOCK INVENTORY ( ) 04 VAPOR SNIFF WELLS ( ) 05 SENSOR INSTRUMENT
( ) 06 GROUND WATER MONITORING WELLS ( ) 07 PRESSURE TEST ( ) 09 NONE (X) 10 OTHER: Level Check

VIII CHEMICAL COMPOSITION OF MATERIALS STORED IN UNDERGROUND CONTAINERS

IF YOU CHECKED YES TO IV-F YOU ARE NOT REQUIRED TO COMPLETE THIS SECTION

CURRENTLY STORED	PREVIOUSLY STORED	DELETE	CAS# (IF KNOWN)	CHEMICAL (DO NOT USE COMMERCIAL NAME)
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		

IS CONTAINER LOCATED ON AN AGRICULTURAL FARM? ( ) 01 YES (X) 02 NO

L. E. Whited
THIS FORM HAS BEEN COMPLETED UNDER THE PENALTY OF PERJURY AND, TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT.

PERSON FILING (SIGNATURE)	PHONE W/AREA CODE
BS L. E. Whited	

FOR LOCAL AGENCY USE ONLY

ADMINISTRATING AGENCY	CITY CODE	COUNTY CODE
Los Angeles County Dept of Public Works		19

CONTACT PERSON	PHONE W/AREA CODE
Carl Sjoberg	(213) 226-4000

DATE OF LAST INSPECTION	IN COMPLIANCE ( ) 01 YES ( ) 02 NO	PERMIT APPROVAL DATE	TRANSACTION DATE	LOCAL PERMIT ID #

Official Registration Form

California Water Resources Control Board

Hazardous Substance Storage Statement

Who Must File: Each person storing hazardous substances in any underground container must file this form no later than July 1, 1984 (After October 1, 1984 and no later than January 1, 1985 for tanks used on farms).

Definition of Underground Containers: The law applies to "concrete sumps, nonvaulted buried tanks or other underground containers." (Water Code section 13173) All containers, including earthen walled pits, ponds, lagoons and sumps, that are below the normal ground surface level must register. A tank sitting on the ground is not included. Containers partially beneath the surface are included. Lined or unlined pits, ponds and lagoons are covered if earth has been removed from the storage area to construct the facility. Normal grading is not considered construction below ground level.

Definition of Hazardous Substance: Any substance listed in Section 6382 of the Labor Code or in Section 25316 of the Health and Safety Code. This includes: gasoline, diesel fuel, all industrial solvents, pesticides, herbicides and fumigants. If the material must be carried by a registered hauler, disposed of at a hazardous waste site, is explosive, generates pressure due to heat or decomposition or would harm humans or wildlife you must register the tank. Wastes are included.

Fee: For each tank registered a $10 fee must be paid, except that retail gasoline stations pay $5 per tank.

Penalties: For failure to file, the penalty is $500-$5,000 per day. If you falsify information, you can be fined up to $20,000 for each day the information is incorrect and has not been corrected.

Confidentiality: If you have information protected by trade secret laws, please attach a list of the information on this form that is confidential and the justification for confidentiality, including specific citations of relevant statutory and case law.

Multiple Containers: Fill I and II on one form and leave it blank on all the remaining forms. Attach all forms together securely. If you own more than 50 tanks you can file information on computer tape. Call 916/324-1262 for information.

This is not a Permit Application. All Underground Tanks will be subject to local regulation. Some jurisdictions have already begun programs. Check with your local county government for further information.

NOTE: ALL UNDERGROUND CONTAINERS MUST REGISTER EVEN IF STATE AND/OR LOCAL PERMITS ARE IN FORCE.

I Owner

Name (Corporation, Individual or Public Agency): Air Products and Chemicals, Inc.

Street Address: Box 538 | City: Allentown | State: PA | ZIP: 18105

II Facility

Facility Name: Air Products and Chemicals, Inc. | Owner, Foreman, Supervisor: Mr. Ronald L. Shadman

Street Address: 23320 South Alameda Street | Nearest Cross Street:

City: Long Beach | County: Los Angeles | ZIP: 90810

Mailing Address: Same | City: | State: | ZIP:

Phone w/ area code: (213) 830-5231 | Type of Business: ☐ 01 Motor Vehicle Fuel Station ☒ 02 Other: Industrial Gases

Number of Tanks at this Facility: 5 | Rural Areas Only: | Township: | Range: | Section:

III 24 Hour Emergency Contact Person

Days: Name (last name first) and Phone w/ area code: Shadman, R. L. (213) 830-5231

Nights: Name (last name first) and Phone w/ area code: Shadman, R. L. (805) 583-2165

COMPLETE THE FOLLOWING ON A SEPARATE FORM FOR EACH CONTAINER

IV Description

A. ☒ 01 Tank ☐ 02 Sump ☐ 03 Lagoon, Pit or Pond ☐ 04 Other: _____ | Container Number (if there is no number, assign one): 28.91

B. Manufacturer (if appropriate): unknown | Year of Mfg.: unknown | C. Year Installed: 1962 ☐ Unknown

D. Container Capacity: 2000 gallons ☐ Unknown | E. Container Repairs: ☒ 01 None ☐ 02 Unknown ☐ 03 Yes Year: _____

F. Is Container currently used? ☐ 01 Yes ☒ 02 No If No, year of last use: 1983 ☐ 03 Unknown

G. Does the Container Store (Check One): ☐ 01 Waste ☒ 02 Product

H. Does the Container Store Motor Vehicle Fuel or Waste Oil? ☒ 01 Yes ☐ 02 No If Yes, Check appropriate box(es):

☐ 01 Unleaded ☐ 02 Regular ☐ 03 Premium ☒ 04 Diesel ☐ 05 Waste Oil ☐ 06 Other (List): _____

V Container Construction

A. Thickness of Primary Containment: 3/16 ☐ Gauge ☒ Inches ☐ cm ☐ Unknown

B. ☐ 01 Vaulted (Located in an underground Vault.) ☒ 02 Non-vaulted ☐ 03 Unknown

C. ☐ 01 Double Walled ☒ 02 Single Walled ☐ 03 Lined ☐ 04 Wrapped ☐ 05 Unknown ☐ 06 None

D. ☐ 01 Carbon Steel ☐ 02 Stainless Steel ☐ 03 Fiberglass ☐ 04 Polyvinyl Chloride ☐ 05 Concrete ☐ 06 Aluminum

☐ 07 Steel Clad ☐ 08 Bronze ☐ 09 Composite ☐ 10 Non-metallic ☐ 11 Earthen Walls

☒ 12 Unknown ☐ 13 Other: _____

E. ☐ 01 Rubber Lined ☐ 02 Alkyd Lining ☐ 03 Epoxy Lining ☐ 04 Phenolic Lining ☐ 05 Glass Lining ☐ 06 Clay Lining

☐ 07 Unlined ☒ 08 Unknown ☐ 09 Other: _____

F ☐ 01 Polyethlene Wrap ☐ 02 Vinyl Wrapping ☐ 03 Cathodic Protection ☒ 04 Unknown ☐ 05 None ☐ 06 Other: _____

VI Piping

A. Associated Piping:	☐ 01 Above Ground	☒ 02 Underground	☐ 03 Vaulted	
B. Underground Piping:	☐ 01 Gravity	☐ 02 Pressure	☒ 03 Suction	☐ 04 Unknown
C. Piping Repairs:	☒ 01 None	☐ 02 Unknown	☐ 03 Yes, Year of most recent repair: _____	

VII Leak Detection

☐ 01 Visual ☐ 02 Stock Inventory ☐ 03 Tile Drain ☐ 04 Vapor Sniff Wells ☐ 05 Sensor Instrument

☐ 06 Ground Water Monitoring Wells ☐ 07 Pressure Test ☐ 08 Internal Inspection ☐ 09 None

☒ 10 Other: Level Check

VIII Chemical Composition of Materials *Currently* or *Previously* Stored in Underground Containers

If you checked yes to IV-H you are not required to complete this section.

currently stored	previously stored	CAS # (if known)	Chemical Do Not Use Commercial Name (Use additional paper for more room
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		

Is Container located on an Agricultural Farm? ☐ 01 Yes ☐ 02 No

IX IMPORTANT! Read instructions before signing:

Signature: The form must be signed by 1) a principal executive officer at the level of vice-president or by an authorized representative. The representative must be responsible for the overall operation of the facility where the tank(s) are located 2) a general partner proprietor, or 3) a principal executive officer, ranking elected official or authorized representative of a public agency.

This form has been completed under the penalty of perjury and, to the best of my knowledge, is true and correct.

Signature		Date
William J Scharle		6/27/89
Printed Name: William J. Scharle	Title: PSG Vice President	Phone Number: 215-481-7151

Send check to: Hazardous Substance Storage Statement, State Water Resources Control Board, P.O. Box 100 Sacramento CA 95801-0100

Person Filing Statement	Phone Number
George M. Beris	(215) 481-1186

For additional forms or more information call 916/324-1262

FOR STATE USE ONLY

Date Received			

RA 31597

STATE ID NUMBER

APPLICATION FOR PERMIT TO OPERATE UNDERGROUND STORAGE TANK

( ) 01 NEW PERMIT ( ) 05 RENEWED PERMIT ( ) 07 TANK CLOSED ( ) 09 DELETE FROM FILE (NO FEE)
( ) 02 CONDITIONAL PERMIT ( ) 06 AMENDED PERMIT ( ) 08 MINOR CHANGE (NO SURCHARGE)

I OWNER

NAME(CORPORATION,INDIVIDUAL OR PUBLIC AGENCY)	PUBLIC AGENCY ONLY ( ) 01 FED ( ) 02 STATE ( ) 03 LOCAL

STREET ADDRESS	CITY	STATE	ZIP

II FACILITY

FACILITY NAME	DEALER/FOREMEN/SUPERVISOR	
STREET ADDRESS	NEAREST CROSS STREET	
CITY	COUNTY	ZIP

MAILING ADDRESS	CITY	STATE	ZIP

PHONE W/AREA CODE - -	TYPE OF BUSINESS ( ) 01 GASOLINE STATION ( ) 02 OTHER

NUMBER OF CONTAINERS	RURAL AREAS ONLY :	TOWNSHIP	RANGE	SECTION

III 24 HOUR EMERGENCY CONTACT PERSON

DAYS: NAME(LAST NAME FIRST) AND PHONE W/AREA CODE - -	NIGHTS: NAME(LAST NAME FIRST) AND PHONE W/AREA CODE - -

COMPLETE THE FOLLOWING ON A SEPARATE FORM FOR EACH CONTAINER

IV DESCRIPTION

A. (X) 01 TANK ( ) 02 OTHER:	CONTAINER NUMBER 28.7
B. MANUFACTURER (IF APPROPRIATE): Unknown YEAR MFG: Unknown	C. YEAR INSTALLED 1962 ( ) UNKNOWN
D. CONTAINER CAPACITY: 6000 GALLONS ( ) UNKNOWN	E. DOES THE CONTAINER STORE: (X) 01 WASTE ( ) 02 PRODUCT

F. DOES THE CONTAINER STORE MOTOR VEHICLE FUEL OR WASTE OIL ? ( ) 01 YES (X) 02 NO IF YES CHECK APPROPRIATE BOX(ES):
( ) 01 UNLEADED ( ) 02 REGULAR ( ) 03 PREMIUM ( ) 04 DIESEL ( ) 05 WASTE OIL ( ) 06 OTHER

V CONTAINER CONSTRUCTION

A. THICKNESS OF PRIMARY CONTAINMENT: 5/16 ( ) GAUGE (X) INCHES ( ) CM ( ) UNKNOWN

B. ( ) 01 VAULTED (LOCATED IN AN UNDERGROUND VAULT) (X) 02 NON-VAULTED ( ) 03 UNKNOWN

C. ( ) 01 DOUBLE WALLED XX 02 SINGLE WALLED ( ) 03 LINED

D. ( ) 01 CARBON STEEL ( ) 02 STAINLESS STEEL ( ) 03 FIBERGLASS ( ) 04 POLYVINYL CHLORIDE ( ) 05 CONCRETE
( ) 06 ALUMINUM ( ) 07 STEEL CLAD ( ) 08 BRONZE ( ) 09 COMPOSITE ( ) 10 NON-METALLIC
(X) 12 UNKNOWN ( ) 13 OTHER:

STATE ID NUMBER

CONTAINER CONSTRUCTION

E. ( ) 01 RUBBER LINED ( ) 02 ALKYD LINING ( ) 03 EPOXY LINING ( ) 04 PHENOLIC LINING ( ) 05 GLASS LINING
( ) 07 UNLINED (X) 08 UNKNOWN ( ) 09 OTHER:

F. ( ) 01 POLYETHLENE WRAP ( ) 02 VINYL WRAPPING ( ) 03 CATHODIC PROTECTION (X) 04 UNKNOWN ( ) 05 NONE
( ) 06 TAR OR ASPHALT ( ) 09 OTHER:

VI PIPING

A. ABOVEGROUND PIPING: ( ) 01 DOUBLE-WALLED PIPE ( ) 02 CONCRETE-LINED TRENCH ( ) 03 GRAVITY
(CHECK APPROPRIATE BOX(ES) ( ) 04 PRESSURE ( ) 05 SUCTION ( ) 06 UNKNOWN ( ) 07 NONE

B. UNDERGROUND PIPING: ( ) 01 DOUBLE-WALLED PIPE ( ) 02 CONCRETE-LINED TRENCH (X) 03 GRAVITY
(CHECK APPROPRIATE BOX(ES) ( ) 04 PRESSURE ( ) 05 SUCTION ( ) 06 UNKNOWN ( ) 07 NONE

VII LEAK DETECTION

( ) 01 VISUAL ( ) 02 STOCK INVENTORY ( ) 04 VAPOR SNIFF WELLS ( ) 05 SENSOR INSTRUMENT
( ) 06 GROUND WATER MONITORING WELLS ( ) 07 PRESSURE TEST (X) 09 NONE ( ) 10 OTHER:

VIII CHEMICAL COMPOSITION OF MATERIALS STORED IN UNDERGROUND CONTAINERS

IF YOU CHECKED YES TO IV-F YOU ARE NOT REQUIRED TO COMPLETE THIS SECTION

CURRENTLY STORED	PREVIOUSLY STORED	DELETE	CAS# (IF KNOWN)	CHEMICAL (DO NOT USE COMMERCIAL NAME)
(XX) 01	( ) 02	( ) 03		10% Waste NAOH Solution
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		

IS CONTAINER LOCATED ON AN AGRICULTURAL FARM? ( ) 01 YES (X) 02 NO

THIS FORM HAS BEEN COMPLETED UNDER THE PENALTY OF PERJURY AND, TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT.

PERSON SIGNING (SIGNATURE)	PHONE W/AREA CODE
By D. E. Corbett	

FOR LOCAL AGENCY USE ONLY

ADMINISTRATING AGENCY	CITY CODE	COUNTY CODE
Los Angeles County Dept of Public Works		19

CONTACT PERSON	PHONE W/AREA CODE
Carl Sjoberg	(213) 226-4000

DATE OF LAST INSPECTION	IN COMPLIANCE	PERMIT APPROVAL DATE	TRANSACTION DATE	LOCAL PERMIT ID #
	( ) 01 YES ( ) 02 NO			

Official Registration Form

California Water Resources Control Board

Hazardous Substance Storage Statement

Who Must File: Each person storing hazardous substances in any underground container must file this form no later than July 1, 1984 (After October 1, 1984 and no later than January 1, 1985 for tanks used on farms).

Definition of Underground Containers: The law applies to "concrete sumps, nonvaulted buried tanks or other underground containers." (Water Code section 13173) All containers, including earthen walled pits, ponds, lagoons and sumps, that are below the normal ground surface level must register. A tank sitting on the ground is not included. Containers partially beneath the surface are included. Lined or unlined pits, ponds and lagoons are covered if earth has been removed from the storage area to construct the facility. Normal grading is not considered construction below ground level.

Definition of Hazardous Substance: Any substance listed in Section 6382 of the Labor Code or in Section 25316 of the Health and Safety Code. This includes: gasoline, diesel fuel, all industrial solvents, pesticides, herbicides and fumigants. If the material must be carried by a registered hauler, disposed of at a hazardous waste site, is explosive, generates pressure due to heat or decomposition or would harm humans or wildlife you must register the tank. Wastes are included.

Fee: For each tank registered a $10 fee must be paid, except that retail gasoline stations pay $5 per tank.

Penalties: For failure to file, the penalty is $500-$5,000 per day. If you falsify information, you can be fined up to $20,000 for each day the information is incorrect and has not been corrected.

Confidentiality: If you have information protected by trade secret laws, please attach a list of the information on this form that is confidential and the justification for confidentiality, including specific citations of relevant statutory and case law.

Multiple Containers: Fill I and II on one form and leave it blank on all the remaining forms. Attach all forms together securely. If you own more than 50 tanks you can file information on computer tape. Call 916/324-1262 for information.

This is not a Permit Application. All Underground Tanks will be subject to local regulation. Some jurisdictions have already begun programs. Check with your local county government for further information.

NOTE: ALL UNDERGROUND CONTAINERS MUST REGISTER EVEN IF STATE AND/OR LOCAL PERMITS ARE IN FORCE.

I Owner

Name (Corporation, Individual or Public Agency)			
Air Products and Chemicals, Inc.			
Street Address	City	State	ZIP
Box 538	Allentown	PA	18105

II Facility

Facility Name	Owner/Foreman/Supervisor	
Air Products and Chemicals, Inc.	Mr. Ronald L. Shadman	
Street Address		Nearest Cross Street
23320 South Alameda Street		
City	County	ZIP
Long Beach	Los Angeles	90810
Mailing Address	City	State / ZIP
Same		
Phone w/area code	Type of Business	
(215) 830-5231	☐ 01 Motor Vehicle Fuel Station ☒ 02 Other: Industrial Gases	
Number of Tanks at this Facility	Rural Areas Only: Township	Range / Section
5		

III 24 Hour Emergency Contact Person

Days: Name (last name first) and Phone w/area code	Nights: Name (last name first) and Phone w/area code
Shadman, R. L. (213) 830-5231	Shadman, R. L. (805) 583-2165

COMPLETE THE FOLLOWING ON A SEPARATE FORM FOR EACH CONTAINER

IV Description

A. ☒ 01 Tank ☐ 02 Sump ☐ 03 Lagoon, Pit or Pond ☐ 04 Other: _____ Container Number (If there is no number assign one): 28.7

B. Manufacturer (if appropriate): unknown Year of Mfg.: unknown C. Year Installed: 1962 ☐ Unknown

D. Container Capacity: 6000 gallons ☐ Unknown E. Container Repairs: ☐ 01 None ☒ 02 Unknown ☐ 03 Yes Year: _____

F. Is Container currently used? ☒ 01 Yes ☐ 02 No If No, year of last use: _____ ☐ 03 Unknown

G. Does the Container Store (Check One): ☒ 01 Waste ☐ 02 Product

H. Does the Container Store Motor Vehicle Fuel or Waste Oil? ☐ 01 Yes ☒ 02 No If Yes, Check appropriate box(es):

☐ 01 Unleaded ☐ 02 Regular ☐ 03 Premium ☐ 04 Diesel ☐ 05 Waste Oil ☐ 06 Other (List): _____

V Container Construction

A. Thickness of Primary Containment: 5/16 ☐ Gauge ☒ Inches ☐ cm ☐ Unknown

B. ☐ 01 Vaulted (Located in an underground Vault.) ☒ 02 Non-vaulted ☐ 03 Unknown

C. ☐ 01 Double Walled ☒ 02 Single Walled ☐ 03 Lined ☐ 04 Wrapped ☐ 05 Unknown ☐ 06 None

D. ☐ 01 Carbon Steel ☐ 02 Stainless Steel ☐ 03 Fiberglass ☐ 04 Polyvinyl Chloride ☐ 05 Concrete ☐ 06 Aluminum

☐ 07 Steel Clad ☐ 08 Bronze ☐ 09 Composite ☐ 10 Non-metallic ☐ 11 Earthen Walls

☒ 12 Unknown ☐ 13 Other: _____

E. ☐ 01 Rubber Lined ☐ 02 Alkyd Lining ☐ 03 Epoxy Lining ☐ 04 Phenolic Lining ☐ 05 Glass Lining ☐ 06 Clay Lining

☐ 07 Unlined ☒ 08 Unknown ☐ 09 Other: _____

F ☐ 01 Polyethlene Wrap ☐ 02 Vinyl Wrapping ☐ 03 Cathodic Protection ☒ 04 Unknown ☐ 05 None ☐ 06 Other: _____

VI Piping

A. Associated Piping:	☐ 01 Above Ground	☐ 02 Underground	☐ 03 Vaulted	
B. Underground Piping:	☒ 01 Gravity	☐ 02 Pressure	☐ 03 Suction	☐ 04 Unknown
C. Piping Repairs:	☒ 01 None	☐ 02 Unknown	☐ 03 Yes. Year of most recent repair: _____	

VII Leak Detection

☐ 01 Visual ☐ 02 Stock Inventory ☐ 03 Tile Drain ☐ 04 Vapor Sniff Wells ☐ 05 Sensor Instrument

☐ 06 Ground Water Monitoring Wells ☐ 07 Pressure Test ☐ 08 Internal Inspection ☒ 09 None

☐ 10 Other: _____

VIII Chemical Composition of Materials *Currently* or *Previously* Stored in Underground Containers

If you checked yes to IV-H you are not required to complete this section.

currently stored	previously stored	CAS # (if known)	Chemical *Do Not Use Commercial Name* (Use additional paper for more room
☒ 01	☐ 02		10% Waste NaOH solution
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		

Is Container located on an Agricultural Farm? ☐ 01 Yes ☒ 02 No

IX IMPORTANT! Read instructions before signing:

Signature: The form must be signed by 1) a principal executive officer at the level of vice-president or by an authorized representative. The representative must be responsible for the overall operation of the facility where the tank(s) are located 2) a general partner proprietor, or 3) a principal executive officer, ranking elected official or authorized representative of a public agency.

This form has been completed under the penalty of perjury and, to the best of my knowledge, is true and correct.

Signature		Date
William J. Scharle		4/27/89
Printed Name	**Title**	**Phone & area code**
William J. Scharle	PSG Vice President	215-481-7151

Send check to: Hazardous Substance Storage Statement, State Water Resources Control Board, P.O. Box 100, Sacramento CA 95801-0100

Person Filing Statement	Phone & area code
George M. Beris	(215) 481-4486

For additional forms or more information call 916/324-1262

FOR STATE USE ONLY

Date Received			

84 31597

STATE ID NUMBER

APPLICATION FOR PERMIT TO OPERATE UNDERGROUND STORAGE TANK

( ) 01 NEW PERMIT ( ) 05 RENEWED PERMIT ( ) 07 TANK CLOSED ( ) 09 DELETE FROM FILE (NO FEE)
( ) 02 CONDITIONAL PERMIT ( ) 06 AMENDED PERMIT ( ) 08 MINOR CHANGE (NO SURCHARGE)

I OWNER

NAME(COPPORATION,INDIVIDUAL OR PUBLIC AGENCY)	PUBLIC AGENCY ONLY ( ) 01 FED ( ) 02 STATE ( ) 03 LOCAL

STREET ADDRESS	CITY	STATE	ZIP

II FACILITY

FACILITY NAME	DEALER/FOREMEN/SUPERVISOR	
STREET ADDRESS	NEAREST CROSS STREET	
CITY	COUNTY	ZIP

MAILING ADDRESS	CITY	STATE	ZIP

PHONE W/AREA CODE - -	TYPE OF BUSINESS ( ) 01 GASOLINE STATION ( ) 02 OTHER

NUMBER OF CONTAINERS	RURAL AREAS ONLY :	TOWNSHIP	RANGE	SECTION

III 24 HOUR EMERGENCY CONTACT PERSON

DAYS: NAME(LAST NAME FIRST) AND PHONE W/AREA CODE - -	NIGHTS: NAME(LAST NAME FIRST) AND PHONE W/AREA CODE - -

COMPLETE THE FOLLOWING ON A SEPARATE FORM FOR EACH CONTAINER

IV DESCRIPTION

A. (X) 01 TANK ( ) 02 OTHER:	CONTAINER NUMBER 28.5
B. MANUFACTURER (IF APPROPRIATE): Unknown YEAR MFG: Unknown	C. YEAR INSTALLED 1962 ( ) UNKNOWN
D. CONTAINER CAPACITY: 2000 GALLONS ( ) UNKNOWN	E. DOES THE CONTAINER STORE: XX 01 WASTE ( ) 02 PRODUCT

F. DOES THE CONTAINER STORE MOTOR VEHICLE FUEL OR WASTE OIL ? (X) 01 YES ( ) 02 NO IF YES CHECK APPROPRIATE BOX(ES):
( ) 01 UNLEADED ( ) 02 REGULAR ( ) 03 PREMIUM ( ) 04 DIESEL (X) 05 WASTE OIL ( ) 06 OTHER

V CONTAINER CONSTRUCTION

A. THICKNESS OF PRIMARY CONTAINMENT: 3/16 ( ) GAUGE (XX INCHES ( ) CM ( ) UNKNOWN

B. ( ) 01 VAULTED (LOCATED IN AN UNDERGROUND VAULT) (X) 02 NON-VAULTED ( ) 03 UNKNOWN

C. ( ) 01 DOUBLE WALLED (X) 02 SINGLE WALLED ( ) 03 LINED

D. ( ) 01 CARBON STEEL ( ) 02 STAINLESS STEEL ( ) 03 FIBERGLASS ( ) 04 POLYVINYL CHLORIDE ( ) 05 CONCRETE
( ) 06 ALUMINUM ( ) 07 STEEL CLAD ( ) 08 BRONZE ( ) 09 COMPOSITE ( ) 10 NON-METALLIC
(X) 12 UNKNOWN ( ) 13 OTHER:

STATE ID NUMBER

CONTAINER CONSTRUCTION

E. ( ) 01 RUBBER LINED ( ) 02 ALKYD LINING ( ) 03 EPOXY LINING ( ) 04 PHENOLIC LINING ( ) 05 GLASS LINING
( ) 07 UNLINED (X) 08 UNKNOWN ( ) 09 OTHER:

F. ( ) 01 POLYETHLENE WRAP ( ) 02 VINYL WRAPPING ( ) 03 CATHODIC PROTECTION (X) 04 UNKNOWN ( ) 05 NONE
( ) 06 TAR OR ASPHALT ( ) 09 OTHER:

VI PIPING

A. ABOVEGROUND PIPING: ( ) 01 DOUBLE-WALLED PIPE ( ) 02 CONCRETE-LINED TRENCH ( ) 03 GRAVITY
(CHECK APPROPRIATE BOX(ES) ( ) 04 PRESSURE ( ) 05 SUCTION ( ) 06 UNKNOWN ( ) 07 NONE

B. UNDERGROUND PIPING: ( ) 01 DOUBLE-WALLED PIPE ( ) 02 CONCRETE-LINED TRENCH (X) 03 GRAVITY
(CHECK APPROPRIATE BOX(ES) ( ) 04 PRESSURE ( ) 05 SUCTION ( ) 06 UNKNOWN ( ) 07 NONE

VII LEAK DETECTION

( ) 01 VISUAL ( ) 02 STOCK INVENTORY ( ) 04 VAPOR SNIFF WELLS ( ) 05 SENSOR INSTRUMENT
( ) 06 GROUND WATER MONITORING WELLS ( ) 07 PRESSURE TEST (X) 09 NONE ( ) 10 OTHER:

VIII CHEMICAL COMPOSITION OF MATERIALS STORED IN UNDERGROUND CONTAINERS

IF YOU CHECKED YES TO IV-F YOU ARE NOT REQUIRED TO COMPLETE THIS SECTION

CURRENTLY STORED	PREVIOUSLY STORED	DELETE	CAS# (IF KNOWN)	CHEMICAL (DO NOT USE COMMERCIAL NAME)
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		

IS CONTAINER LOCATED ON AN AGRICULTURAL FARM? ( ) 01 YES (X) 02 NO

THIS FORM HAS BEEN COMPLETED UNDER THE PENALTY OF PERJURY AND, TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT.

PERSON FILING (SIGNATURE)	PHONE W/AREA CODE
R.E. White	

FOR LOCAL AGENCY USE ONLY

ADMINISTRATING AGENCY	CITY CODE	COUNTY CODE
Los Angeles County Dept of Public Works		19

CONTACT PERSON	PHONE W/AREA CODE
Carl Sjoberg	(213) 226-4000

DATE OF LAST INSPECTION	IN COMPLIANCE	PERMIT APPROVAL DATE	TRANSACTION DATE	LOCAL PERMIT ID #
	( ) 01 YES ( ) 02 NO			

Official Registration Form

California Water Resources Control Board

Hazardous Substance Storage Statement

Who Must File: Each person storing hazardous substances in any underground container must file this form no later than July 1, 1984 (After October 1, 1984 and no later than January 1, 1985 for tanks used on farms).

Definition of Underground Containers: The law applies to "concrete sumps, nonvaulted buried tanks or other underground containers." (Water Code section 13173) All containers, including earthen walled pits, ponds, lagoons and sumps, that are below the normal ground surface level must register. A tank sitting on the ground is not included. Containers partially beneath the surface are included. Lined or unlined pits, ponds and lagoons are covered if earth has been removed from the storage area to construct the facility. Normal grading is not considered construction below ground level.

Definition of Hazardous Substance: Any substance listed in Section 6382 of the Labor Code or in Section 25316 of the Health and Safety Code. This includes: gasoline, diesel fuel, all industrial solvents, pesticides, herbicides and fumigants. If the material must be carried by a registered hauler, disposed of at a hazardous waste site, is explosive, generates pressure due to heat or decomposition or would harm humans or wildlife you must register the tank. Wastes are included.

Fee: For each tank registered a $10 fee must be paid, except that retail gasoline stations pay $5 per tank.

Penalties: For failure to file, the penalty is $500-$5,000 per day. If you falsify information, you can be fined up to $20,000 for each day the information is incorrect and has not been corrected.

Confidentiality: If you have information protected by trade secret laws, please attach a list of the information on this form that is confidential and the justification for confidentiality, including specific citations of relevant statutory and case law.

Multiple Containers: Fill I and II on one form and leave it blank on all the remaining forms. Attach all forms together securely. If you own more than 50 tanks you can file information on computer tape. Call 916/324-1262 for information.

This is not a Permit Application. All Underground Tanks will be subject to local regulation. Some jurisdictions have already begun programs. Check with your local county government for further information.

NOTE: ALL UNDERGROUND CONTAINERS MUST REGISTER EVEN IF STATE AND/OR LOCAL PERMITS ARE IN FORCE.

I Owner

Name (Corporation, Individual or Public Agency): Air Products and Chemicals, Inc.

Street Address: Box 538 | City: Allentown | State: PA | ZIP: 18105

II Facility

Facility Name: Air Products and Chemicals, Inc. | Owner, Operator, Supervisor: Mr. Ronald L. Shadman

Street Address: 23320 South Alameda Street | Nearest Cross Street:

City: Long Beach | County: Los Angeles | ZIP: 90810

Mailing Address: Same | City: | State: | ZIP:

Phone w/ area code: (213) 830-5231 | Type of Business: ☐ 01 Motor Vehicle Fuel Station ☒ 02 Other: Industrial Gases

Number of Tanks at this Facility: 5 | Rural Areas Only: Township: | Range: | Section:

III 24 Hour Emergency Contact Person

Days: Name (last name first) and Phone w/ area code: Shadman, R. L. (213) 830-5231

Nights: Name (last name first) and Phone w/ area code: Shadman, R. L. (805) 583-2165

COMPLETE THE FOLLOWING ON A SEPARATE FORM FOR EACH CONTAINER

IV Description

A. ☒ 01 Tank ☐ 02 Sump ☐ 03 Lagoon, Pit or Pond ☐ 04 Other: _____ | Container Number (If there is no number assign one): 28.5

B. Manufacturer (If appropriate): Unknown Year of Mfg.: Unknown | C. Year Installed: 1962 ☐ Unknown

D. Container Capacity: 2000 gallons ☐ Unknown | E. Container Repairs: ☒ 01 None ☐ 02 Unknown ☐ 03 Yes Year: _____

F. Is Container currently used? ☒ 01 Yes ☐ 02 No If No, year of last use: _____ ☐ 03 Unknown

G. Does the Container Store (Check One): ☒ 01 Waste ☐ 02 Product

H. Does the Container Store Motor Vehicle Fuel or Waste Oil? ☒ 01 Yes ☐ 02 No If Yes, Check appropriate box(es):

☐ 01 Unleaded ☐ 02 Regular ☐ 03 Premium ☐ 04 Diesel ☒ 05 Waste Oil ☐ 06 Other (List): _____

V Container Construction

A. Thickness of Primary Containment: 3/16 ☐ Gauge ☒ Inches ☐ cm ☐ Unknown

B. ☐ 01 Vaulted (Located in an underground Vault.) ☒ 02 Non-vaulted ☐ 03 Unknown

C. ☐ 01 Double Walled ☒ 02 Single Walled ☐ 03 Lined ☐ 04 Wrapped ☐ 11 Unknown ☐ 06 None

D. ☐ 01 Carbon Steel ☐ 02 Stainless Steel ☐ 03 Fiberglass ☐ 04 Polyvinyl Chloride ☐ 05 Concrete ☐ 06 Aluminum

☐ 07 Steel Clad ☐ 08 Bronze ☐ 09 Composite ☐ 10 Non-metallic ☐ 11 Earthen Walls

☒ 12 Unknown ☐ 13 Other: _____

E. ☐ 01 Rubber Lined ☐ 02 Alkyd Lining ☐ 03 Epoxy Lining ☐ 04 Phenolic Lining ☐ 05 Glass Lining ☐ 06 Clay Lining

☐ 07 Unlined ☒ 08 Unknown ☐ 09 Other: _____

F. ☐ 01 Polyethlene Wrap ☐ 02 Vinyl Wrapping ☐ 03 Cathodic Protection ☒ 04 Unknown ☐ 05 None ☐ 06 Other: _____

VI Piping

A. Associated Piping:	☐ 01 Above Ground	☒ 02 Underground	☐ 03 Vaulted	
B. Underground Piping:	☒ 01 Gravity	☐ 02 Pressure	☐ 03 Suction	☐ 04 Unknown
C. Piping Repairs:	☒ 01 None	☐ 02 Unknown	☐ 03 Yes. Year of most recent repair: _____	

VII Leak Detection

☐ 01 Visual ☐ 02 Stock Inventory ☐ 03 Tile Drain ☐ 04 Vapor Sniff Wells ☐ 05 Sensor Instrument

☐ 06 Ground Water Monitoring Wells ☐ 07 Pressure Test ☐ 08 Internal Inspection ☒ 09 None

☐ 10 Other: _____

VIII Chemical Composition of Materials *Currently* or *Previously* Stored in Underground Containers

If you checked yes to IV-H you are not required to complete this section.

currently stored	previously stored	CAS # (if known)	Chemical *Do Not Use Commercial Name* (Use additional paper for more room)
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		

Is Container located on an Agricultural Farm? ☐ 01 Yes ☐ 02 No

IX IMPORTANT! Read instructions before signing:

Signature: The form must be signed by 1) a principal executive officer at the level of vice-president or by an authorized representative. The representative must be responsible for the overall operation of the facility where the tank(s) are located 2) a general partner proprietor, or 3) a principal executive officer, ranking elected official or authorized representative of a public agency.

This form has been completed under the penalty of perjury and, to the best of my knowledge, is true and correct.

Signature		Date
William J Scharle		6/27/89
Printed Name	**Title**	**Phone # area code**
William J. Scharle	PSG Vice President	215-481-7151

Send check to: Hazardous Substance Storage Statement, State Water Resources Control Board, P.O. Box 100, Sacramento, CA 95801-0100

Person Filing Statement	Phone # area code
George M. Beris	(215) 481-4486

For additional forms or more information call 916/324-1262

FOR STATE USE ONLY

84 21407

STATE ID NUMBER

APPLICATION FOR PERMIT TO OPERATE UNDERGROUND STORAGE TANK

( ) 01 NEW PERMIT ( ) 05 RENEWED PERMIT ( ) 07 TANK CLOSED ( ) 09 DELETE FROM FILE (NO FEE)
( ) 02 CONDITIONAL PERMIT ( ) 06 AMENDED PERMIT ( ) 08 MINOR CHANGE (NO SURCHARGE)

I OWNER

NAME(CORPORATION,INDIVIDUAL OR PUBLIC AGENCY)			PUBLIC AGENCY ONLY ( ) 01 FED ( ) 02 STATE ( ) 03 LOCAL
STREET ADDRESS	CITY	STATE	ZIP

II FACILITY

FACILITY NAME		DEALER/FOREMEN/SUPERVISOR	
STREET ADDRESS		NEAREST CROSS STREET	
CITY		COUNTY	ZIP
MAILING ADDRESS	CITY	STATE	ZIP
PHONE W/AREA CODE - -	TYPE OF BUSINESS ( ) 01 GASOLINE STATION (X) 02 OTHER Industrial Gas Division		
NUMBER OF CONTAINERS	RURAL AREAS ONLY :	TOWNSHIP	RANGE	SECTION

III 24 HOUR EMERGENCY CONTACT PERSON

DAYS: NAME(LAST NAME FIRST) AND PHONE W/AREA CODE	NIGHTS: NAME(LAST NAME FIRST) AND PHONE W/AREA CODE
Smith, D. L. - - 213-830-5205	Smith, D. L. - - 714-839-3027

COMPLETE THE FOLLOWING ON A SEPARATE FORM FOR EACH CONTAINER

IV DESCRIPTION

A. (X) 01 TANK ( ) 02 OTHER:		CONTAINER NUMBER LB-1GD-1
B. MANUFACTURER (IF APPROPRIATE):	YEAR MFG:	C. YEAR INSTALLED 1974 ( ) UNKNOWN
D. CONTAINER CAPACITY: 3000 GALLONS ( ) UNKNOWN	E. DOES THE CONTAINER STORE: ( ) 01 WASTE (X) 02 PRODUCT	
F. DOES THE CONTAINER STORE MOTOR VEHICLE FUEL OR WASTE OIL ? (X) 01 YES ( ) 02 NO IF YES CHECK APPROPRIATE BOX(ES): (X) 01 UNLEADED ( ) 02 REGULAR ( ) 03 PREMIUM ( ) 04 DIESEL ( ) 05 WASTE OIL ( ) 06 OTHER		

V CONTAINER CONSTRUCTION

A. THICKNESS OF PRIMARY CONTAINMENT: ( ) GAUGE ( ) INCHES ( ) CM (X) UNKNOWN

B. ( ) 01 VAULTED (LOCATED IN AN UNDERGROUND VAULT) (X) 02 NON-VAULTED ( ) 03 UNKNOWN

C. ( ) 01 DOUBLE WALLED ( ) 02 SINGLE WALLED ( ) 03 LINED Unknown

D. (X) 01 CARBON STEEL ( ) 02 STAINLESS STEEL ( ) 03 FIBERGLASS ( ) 04 POLYVINYL CHLORIDE ( ) 05 CONCRETE
( ) 06 ALUMINUM ( ) 07 STEEL CLAD ( ) 08 BRONZE ( ) 09 COMPOSITE ( ) 10 NON-METALLIC
( ) 12 UNKNOWN ( ) 13 OTHER:

STATE ID NUMBER

CONTAINER CONSTRUCTION

E. ( ) 01 RUBBER LINED ( ) 02 ALKYD LINING ( ) 03 EPOXY LINING ( ) 04 PHENOLIC LINING ( ) 05 GLASS LINING
( ) 07 UNLINED (X) 08 UNKNOWN ( ) 09 OTHER:

F. ( ) 01 POLYETHLENE WRAP ( ) 02 VINYL WRAPPING ( ) 03 CATHODIC PROTECTION (X) 04 UNKNOWN ( ) 05 NONE
( ) 06 TAR OR ASPHALT ( ) 09 OTHER:

VI PIPING

A. ABOVEGROUND PIPING: ( ) 01 DOUBLE-WALLED PIPE ( ) 02 CONCRETE-LINED TRENCH ( ) 03 GRAVITY
(CHECK APPROPRIATE BOX(ES) ( ) 04 PRESSURE ( ) 05 SUCTION ( ) 06 UNKNOWN ( ) 07 NONE

B. UNDERGROUND PIPING: ( ) 01 DOUBLE-WALLED PIPE ( ) 02 CONCRETE-LINED TRENCH ( ) 03 GRAVITY
(CHECK APPROPRIATE BOX(ES) ( ) 04 PRESSURE (X) 05 SUCTION ( ) 06 UNKNOWN ( ) 07 NONE

VII LEAK DETECTION

( ) 01 VISUAL (X) 02 STOCK INVENTORY ( ) 04 VAPOR SNIFF WELLS ( ) 05 SENSOR INSTRUMENT
( ) 06 GROUND WATER MONITORING WELLS ( ) 07 PRESSURE TEST ( ) 09 NONE (X) 10 OTHER: Water Test

VIII CHEMICAL COMPOSITION OF MATERIALS STORED IN UNDERGROUND CONTAINERS

IF YOU CHECKED YES TO IV-F YOU ARE NOT REQUIRED TO COMPLETE THIS SECTION

CURRENTLY STORED	PREVIOUSLY STORED	DELETE	CAS# (IF KNOWN)	CHEMICAL (DO NOT USE COMMERCIAL NAME)
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		

IS CONTAINER LOCATED ON AN AGRICULTURAL FARM? ( ) 01 YES (X) 02 NO

THIS FORM HAS BEEN COMPLETED UNDER THE PENALTY OF PERJURY AND, TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT.

PERSON FILING (SIGNATURE)	PHONE W/AREA CODE
RS T. E. White	

FOR LOCAL AGENCY USE ONLY

ADMINISTRATING AGENCY	CITY CODE	COUNTY CODE
Los Angeles County Dept of Public Works		19

CONTACT PERSON	PHONE W/AREA CODE
Carl Sjoberg	(213) 226-4000

DATE OF LAST INSPECTION	IN COMPLIANCE ( ) 01 YES ( ) 02 NO	PERMIT APPROVAL DATE	TRANSACTION DATE	LOCAL PERMIT ID #

Official Registration Form

California Water Resources Control Board

Hazardous Substance Storage Statement

Who Must File: Each person storing hazardous substances in any underground container must file this form no later than July 1, 1984 (After October 1, 1984 and no later than January 1, 1985 for tanks used on farms).

Definition of Underground Containers: The law applies to "concrete sumps, nonvaulted buried tanks or other underground containers." (Water Code section 13173) All containers, including earthen walled pits, ponds, lagoons and sumps, that are below the normal ground surface level must register. A tank sitting on the ground is not included. Containers partially beneath the surface are included. Lined or unlined pits, ponds and lagoons are covered if earth has been removed from the storage area to construct the facility. Normal grading is not considered construction below ground level.

Definition of Hazardous Substance: Any substance listed in Section 6382 of the Labor Code or in Section 25316 of the Health and Safety Code. This includes: gasoline, diesel fuel, all industrial solvents, pesticides, herbicides and fumigants. If the material must be carried by a registered hauler, disposed of at a hazardous waste site, is explosive, generates pressure due to heat or decomposition or would harm humans or wildlife you must register the tank. Wastes are included.

Fee: For each tank registered a $10 fee must be paid, except that retail gasoline stations pay $5 per tank.

Penalties: For failure to file, the penalty is $500-$5,000 per day. If you falsify information, you can be fined up to $20,000 for each day the information is incorrect and has not been corrected.

Confidentiality: If you have information protected by trade secret laws, please attach a list of the information on this form that is confidential and the justification for confidentiality, including specific citations of relevant statutory and case law.

Multiple Containers: Fill I and II on one form and leave it blank on all the remaining forms. Attach all forms together securely. If you own more than 50 tanks you can file information on computer tape. Call 916/324-1262 for information.

This is not a Permit Application. All Underground Tanks will be subject to local regulation. Some jurisdictions have already begun programs. Check with your local county government for further information.

NOTE: ALL UNDERGROUND CONTAINERS MUST REGISTER EVEN IF STATE AND/OR LOCAL PERMITS ARE IN FORCE.

I Owner

Name (Corporation, Individual or Public Agency): Air Products and Chemicals, Inc.

Street Address	City	State	ZIP
P.O. Box 538	Allentown	PA	18105

II Facility

Facility Name: Air Products and Chemicals, Inc. — Owner, Foreman, Supervisor:

Street Address: 23320 S. Alameda Street — Nearest Cross Street:

City	County	ZIP
Long Beach	Los Angeles	90810

Mailing Address	City	State	ZIP
Same			

Phone w/area code: — Type of Business: ☐ 01 Motor Vehicle Fuel Station ☒ 02 Other: Industrial Gas Division

Number of Tanks at this Facility	Rural Areas Only:	Township	Range	Section

III 24 Hour Emergency Contact Person

Days: Name (last name first) and Phone w/area code	Nights: Name (last name first) and Phone w/area code
Smith, D. L. 213-830-5205	Smith, D. L. 714-839-3027

COMPLETE THE FOLLOWING ON A SEPARATE FORM FOR EACH CONTAINER

IV Description

A. ☒ 01 Tank ☐ 02 Sump ☐ 03 Lagoon, Pit or Pond ☐ 04 Other: _____ Container Number (if there is no number assign one): LB-IGD-1

B. Manufacturer (if appropriate): _____ Year of Mfg.: _____ C. Year Installed: 1974 ☐ Unknown

D. Container Capacity: 3000 gallons ☐ Unknown E. Container Repairs: ☒ 01 None ☐ 02 Unknown ☐ 03 Yes Year: _____

F. Is Container currently used? ☒ 01 Yes ☐ 02 No If No, year of last use: _____ ☐ 03 Unknown

G. Does the Container Store (Check One): ☐ 01 Waste ☒ 02 Product

H. Does the Container Store Motor Vehicle Fuel or Waste Oil? ☒ 01 Yes ☐ 02 No If Yes, Check appropriate box(es):

☒ 01 Unleaded ☐ 02 Regular ☐ 03 Premium ☐ 04 Diesel ☐ 05 Waste Oil ☐ 06 Other (List): _____

V Container Construction

A. Thickness of Primary Containment: _____ ☐ Gauge ☐ Inches ☐ cm ☒ Unknown

B. ☐ 01 Vaulted (Located in an underground Vault.) ☒ 02 Non-vaulted ☐ 03 Unknown

C. ☐ 01 Double Walled ☐ 02 Single Walled ☐ 03 Lined ☐ 04 Wrapped ☒ 05 Unknown ☐ 06 None

D. ☒ 01 Carbon Steel ☐ 02 Stainless Steel ☐ 03 Fiberglass ☐ 04 Polyvinyl Chloride ☐ 05 Concrete ☐ 06 Aluminum

☐ 07 Steel Clad ☐ 08 Bronze ☐ 09 Composite ☐ 10 Non-metallic ☐ 11 Earthen Walls

☐ 12 Unknown ☐ 13 Other: _____

E. ☐ 01 Rubber Lined ☐ 02 Alkyd Lining ☐ 03 Epoxy Lining ☐ 04 Phenolic Lining ☐ 05 Glass Lining ☐ 06 Clay Lining

☐ 07 Unlined ☒ 08 Unknown ☐ 09 Other: _____

F. ☐ 01 Polyethlene Wrap ☐ 02 Vinyl Wrapping ☐ 03 Cathodic Protection ☒ 04 Unknown ☐ 05 None ☐ 06 Other: _____

VI Piping

A. Associated Piping:	☐ 01 Above Ground	☒ 02 Underground	☐ 03 Vaulted	
B. Underground Piping:	☐ 01 Gravity	☐ 02 Pressure	☒ 03 Suction	☐ 04 Unknown
C. Piping Repairs:	☒ 01 None	☐ 02 Unknown	☐ 03 Yes. Year of most recent repair: _____	

VII Leak Detection

☐ 01 Visual ☒ 02 Stock Inventory ☐ 03 Tile Drain ☐ 04 Vapor Sniff Wells ☐ 05 Sensor Instrument

☐ 06 Ground Water Monitoring Wells ☐ 07 Pressure Test ☐ 08 Internal Inspection ☐ 09 None

☒ 10 Other: Water Test

VIII Chemical Composition of Materials *Currently* or *Previously* Stored in Underground Containers

If you checked yes to IV-H you are not required to complete this section

currently stored	previously stored	CAS # (if known)	Chemical (Do Not Use Commercial Name) (Use additional paper for more room)
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		

Is Container located on an Agricultural Farm? ☐ 01 Yes ☒ 02 No

IX IMPORTANT! Read instructions before signing:

Signature: The form must be signed by 1) a principal executive officer at the level of vice-president or by an authorized representative. The representative must be responsible for the overall operation of the facility where the tank(s) are located. 2) a general partner proprietor, or 3) a principal executive officer, ranking elected official or authorized representative of a public agency.

This form has been completed under the penalty of perjury and, to the best of my knowledge, is true and correct.

Signature		Date
Printed Name: Stanley R. Roman	Title: Vice President IGD Sales	Phone # area code: 215-481-8197

Send check to: Hazardous Substance Storage Statement, State Water Resources Control Board, P.O. Box 100, Sacramento, CA 95801-0100

Person Filing Statement	Phone # area code
Eugene C. Crossland	215-481-5589

For additional forms or more information call 916/324-1262

FOR STATE USE ONLY

ID Number	Accounting Number	Check Number
Date Received	☐ 01	☐ 02 ☐ 03

Rev. 12/97

STATE ID NUMBER

APPLICATION FOR PERMIT TO OPERATE UNDERGROUND STORAGE TANK

( ) 01 NEW PERMIT ( ) 05 RENEWED PERMIT ( ) 07 TANK CLOSED ( ) 09 DELETE FROM FILE (NO FEE)
( ) 02 CONDITIONAL PERMIT ( ) 06 AMENDED PERMIT ( ) 08 MINOR CHANGE (NO SURCHARGE)

I OWNER

NAME(CORPORATION,INDIVIDUAL OR PUBLIC AGENCY)			PUBLIC AGENCY ONLY ( ) 01 FED ( ) 02 STATE ( ) 03 LOCAL
STREET ADDRESS	CITY	STATE	ZIP

II FACILITY

FACILITY NAME		DEALER/FOREMEN/SUPERVISOR	
STREET ADDRESS		NEAREST CROSS STREET	
CITY		COUNTY	ZIP
MAILING ADDRESS	CITY	STATE	ZIP
PHONE W/AREA CODE - -	TYPE OF BUSINESS ( ) 01 GASOLINE STATION (X) 02 OTHER Industrial Gas Division		

NUMBER OF CONTAINERS	RURAL AREAS ONLY :	TOWNSHIP	RANGE	SECTION

III 24 HOUR EMERGENCY CONTACT PERSON

DAYS: NAME(LAST NAME FIRST) AND PHONE W/AREA CODE	NIGHTS: NAME(LAST NAME FIRST) AND PHONE W/AREA CODE
Smith, D. L. - - 213-830-5205	Smith, D. L. - - 714-839-3027

COMPLETE THE FOLLOWING ON A SEPARATE FORM FOR EACH CONTAINER

IV DESCRIPTION

A. (X) 01 TANK ( ) 02 OTHER:		CONTAINER NUMBER LB-1GD-2
B. MANUFACTURER (IF APPROPRIATE):	YEAR MFG:	C. YEAR INSTALLED 1974 ( ) UNKNOWN
D. CONTAINER CAPACITY: 10,000 GALLONS ( ) UNKNOWN	E. DOES THE CONTAINER STORE: ( ) 01 WASTE (X) 02 PRODUCT	

F. DOES THE CONTAINER STORE MOTOR VEHICLE FUEL OR WASTE OIL ? (X) 01 YES ( ) 02 NO IF YES CHECK APPROPRIATE BOX(ES):
( ) 01 UNLEADED ( ) 02 REGULAR ( ) 03 PREMIUM (X) 04 DIESEL ( ) 05 WASTE OIL ( ) 06 OTHER

V CONTAINER CONSTRUCTION

A. THICKNESS OF PRIMARY CONTAINMENT: ( ) GAUGE ( ) INCHES ( ) CM (X) UNKNOWN

B. ( ) 01 VAULTED (LOCATED IN AN UNDERGROUND VAULT) ( ) 02 NON-VAULTED (X) 03 UNKNOWN

C. ( ) 01 DOUBLE WALLED ( ) 02 SINGLE WALLED ( ) 03 LINED Unknown

D. (X) 01 CARBON STEEL ( ) 02 STAINLESS STEEL ( ) 03 FIBERGLASS ( ) 04 POLYVINYL CHLORIDE ( ) 05 CONCRETE
( ) 06 ALUMINUM ( ) 07 STEEL CLAD ( ) 08 BRONZE ( ) 09 COMPOSITE ( ) 10 NON-METALLIC
( ) 12 UNKNOWN ( ) 13 OTHER:

STATE ID NUMBER

CONTAINER CONSTRUCTION

E. ( ) 01 RUBBER LINED ( ) 02 ALKYD LINING ( ) 03 EPOXY LINING ( ) 04 PHENOLIC LINING ( ) 05 GLASS LINING
( ) 07 UNLINED (X) 08 UNKNOWN ( ) 09 OTHER:

F. ( ) 01 POLYETHLENE WRAP ( ) 02 VINYL WRAPPING ( ) 03 CATHODIC PROTECTION (X) 04 UNKNOWN ( ) 05 NONE
( ) 06 TAR OR ASPHALT ( ) 09 OTHER:

VI PIPING

A. ABOVEGROUND PIPING: ( ) 01 DOUBLE-WALLED PIPE ( ) 02 CONCRETE-LINED TRENCH ( ) 03 GRAVITY
(CHECK APPROPRIATE BOX(ES) ( ) 04 PRESSURE (X) 05 SUCTION ( ) 06 UNKNOWN ( ) 07 NONE

B. UNDERGROUND PIPING: ( ) 01 DOUBLE-WALLED PIPE ( ) 02 CONCRETE-LINED TRENCH ( ) 03 GRAVITY
(CHECK APPROPRIATE BOX(ES) ( ) 04 PRESSURE ( ) 05 SUCTION ( ) 06 UNKNOWN ( ) 07 NONE

VII LEAK DETECTION

( ) 01 VISUAL (X) 02 STOCK INVENTORY ( ) 04 VAPOR SNIFF WELLS ( ) 05 SENSOR INSTRUMENT
( ) 06 GROUND WATER MONITORING WELLS ( ) 07 PRESSURE TEST ( ) 09 NONE (X) 10 OTHER: Water Test

VIII CHEMICAL COMPOSITION OF MATERIALS STORED IN UNDERGROUND CONTAINERS

IF YOU CHECKED YES TO IV-F YOU ARE NOT REQUIRED TO COMPLETE THIS SECTION

CURRENTLY STORED	PREVIOUSLY STORED	DELETE	CAS# (IF KNOWN)	CHEMICAL (DO NOT USE COMMERCIAL NAME)
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		

IS CONTAINER LOCATED ON AN AGRICULTURAL FARM? ( ) 01 YES (X) 02 NO

THIS FORM HAS BEEN COMPLETED UNDER THE PENALTY OF PERJURY AND, TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT.

PERSON FILING (SIGNATURE)	PHONE W/AREA CODE
PS L.E. Whites	

FOR LOCAL AGENCY USE ONLY

ADMINISTRATING AGENCY	CITY CODE	COUNTY CODE
Los Angeles County Dept of Public Works		19

CONTACT PERSON	PHONE W/AREA CODE
Carl Sjoberg	(213) 226-4000

DATE OF LAST INSPECTION	IN COMPLIANCE ( ) 01 YES ( ) 02 NO	PERMIT APPROVAL DATE	TRANSACTION DATE	LOCAL PERMIT ID #

Official Registration Form

California Water Resources Control Board

Hazardous Substance Storage Statement

Who Must File: Each person storing hazardous substances in any underground container must file this form no later than July 1, 1984 (After October 1, 1984 and no later than January 1, 1985 for tanks used on farms).

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Definition of Hazardous Substance: Any substance listed in Section 6382 of the Labor Code or in Section 25316 of the Health and Safety Code. This includes: gasoline, diesel fuel, all industrial solvents, pesticides, herbicides and fumigants. If the material must be carried by a registered hauler, disposed of at a hazardous waste site, is explosive, generates pressure due to heat or decomposition or would harm humans or wildlife you must register the tank. Wastes are included.

Fee: For each tank registered a $10 fee must be paid, except that retail gasoline stations pay $5 per tank.

Penalties: For failure to file, the penalty is $500-$5,000 per day. If you falsify information, you can be fined up to $20,000 for each day the information is incorrect and has not been corrected.

Confidentiality: If you have information protected by trade secret laws, please attach a list of the information on this form that is confidential and the justification for confidentiality, including specific citations of relevant statutory and case law.

Multiple Containers: Fill I and II on one form and leave it blank on all the remaining forms. Attach all forms together securely. If you own more than 50 tanks you can file information on computer tape. Call 916/324-1262 for information.

This is not a Permit Application. All Underground Tanks will be subject to local regulation. Some jurisdictions have already begun programs. Check with your local county government for further information.

NOTE: ALL UNDERGROUND CONTAINERS MUST REGISTER EVEN IF STATE AND/OR LOCAL PERMITS ARE IN FORCE.

I Owner

Name (Corporation, Individual or Public Agency)			
Street Address	City	State	ZIP

II Facility

Facility Name		Owner, Foreman, Supervisor	
Street Address		Nearest Cross Street	
City	County		ZIP
Mailing Address	City	State	ZIP
Phone w/ area code	Type of Business: ☐ 01 Motor Vehicle Fuel Station ☐ 02 Other:		
Number of Tanks at this Facility	**Rural Areas Only:** Township	Range	Section

III 24 Hour Emergency Contact Person

Days: Name (last name first) and Phone w/area code	Nights: Name (last name first) and Phone w/ area code
Smith, D. L. 213-830-5205	Smith, D. L. 714-839-3027

COMPLETE THE FOLLOWING ON A SEPARATE FORM FOR EACH CONTAINER

IV Description

A. ☒ 01 Tank ☐ 02 Sump ☐ 03 Lagoon, Pit or Pond ☐ 04 Other: _____ Container Number (if none, give no number assigned only): LB-IGD-2

B. Manufacturer (if appropriate): _____ Year of Mfg.: _____ C. Year Installed: 1974 ☐ Unknown

D. Container Capacity: 10,000 gallons ☐ Unknown E. Container Repairs: ☒ 01 None ☐ 02 Unknown ☐ 03 Yes Year: _____

F. Is Container currently used? ☒ 01 Yes ☐ 02 No If No, year of last use: _____ ☐ 03 Unknown

G. Does the Container Store (Check One): ☐ 01 Waste ☒ 02 Product

H. Does the Container Store Motor Vehicle Fuel or Waste Oil? ☒ 01 Yes ☐ 02 No If Yes, Check appropriate box(es):

☐ 01 Unleaded ☐ 02 Regular ☐ 03 Premium ☒ 04 Diesel ☐ 05 Waste Oil ☐ 06 Other (List): _____

V Container Construction

A. Thickness of Primary Containment: _____ ☐ Gauge ☐ Inches ☐ cm ☒ Unknown

B. ☐ 01 Vaulted (Located in an underground Vault.) ☐ 02 Non-vaulted ☒ 03 Unknown

C. ☐ 01 Double Walled ☐ 02 Single Walled ☐ 03 Lined ☐ 04 Wrapped ☒ 05 Unknown ☐ 06 None

D. ☒ 01 Carbon Steel ☐ 02 Stainless Steel ☐ 03 Fiberglass ☐ 04 Polyvinyl Chloride ☐ 05 Concrete ☐ 06 Aluminum

☐ 07 Steel Clad ☐ 08 Bronze ☐ 09 Composite ☐ 10 Non-metallic ☐ 11 Earthen Walls

☐ 12 Unknown ☐ 13 Other: _____

E. ☐ 01 Rubber Lined ☐ 02 Alkyd Lining ☐ 03 Epoxy Lining ☐ 04 Phenolic Lining ☐ 05 Glass Lining ☐ 06 Clay Lining

☐ 07 Unlined ☒ 08 Unknown ☐ 09 Other: _____

F. ☐ 01 Polyethlene Wrap ☐ 02 Vinyl Wrapping ☐ 03 Cathodic Protection ☒ 04 Unknown ☐ 05 None ☐ 06 Other: _____

VI Piping

A. Associated Piping:	☒ 01 Above Ground	☐ 02 Underground	☐ 03 Vaulted	
B. Underground Piping:	☐ 01 Gravity	☐ 02 Pressure	☒ 03 Suction	☐ 04 Unknown
C. Piping Repairs:	☒ 01 None	☐ 02 Unknown	☐ 03 Yes. Year of most recent repair: _____	

VII Leak Detection

☐ 01 Visual ☒ 02 Stock Inventory ☐ 03 Tile Drain ☐ 04 Vapor Sniff Wells ☐ 05 Sensor Instrument

☐ 06 Ground Water Monitoring Wells ☐ 07 Pressure Test ☐ 08 Internal Inspection ☐ 09 None

☒ 10 Other: Water Test

VIII Chemical Composition of Materials *Currently* or *Previously* Stored in Underground Containers

If you checked yes to IV-H you are not required to complete this section

currently stored	previously stored	CAS # (If known)	Chemical (Do Not Use Common Name - Use additional paper for more room)
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		

Is Container located on an Agricultural Farm? ☐ 01 Yes ☒ 02 No

IX IMPORTANT! Read instructions before signing:

Signature: The form must be signed by 1) a principal executive officer at the level of vice-president or by an authorized representative. The representative must be responsible for the overall operation of the facility where the tank(s) are located. 2) a general partner proprietor, or 3) a principal executive officer, ranking elected official or authorized representative of a public agency.

This form has been completed under the penalty of perjury and, to the best of my knowledge, is true and correct.

Signature		Date
Printed Name: Stanley R. Roman	Title: Vice President IGD Sales	Phone w. area code: 215-481-8197

Send check to: Hazardous Substance Storage Statement, State Water Resources Control Board, P.O. Box 100, Sacramento, CA 95801-0100

Person Filing Statement	Phone w. area code
Eugene C. Crossland	215-481-5589

For additional forms or more information call 916/324-1262

FOR STATE USE ONLY

ID Number	Accounting Number	County Number
Date Received	☐ 01	☐ 02 ☐ 03

84 27A07

Air Products and Chemicals, Inc.
Box 538
Allentown, PA 18105
Telephone (215) 481-4911

RECEIVED
MAY 5 1986
DEPARTMENT OF PUBLIC WORKS
ENGINEERING SERVICES DIVISION

AIR PRODUCTS

28 April 1986

Hazardous Materials Underground
Storage
County of Los Angeles, Dept. of
Public Works
Engineering Services Division
2250 Alcazar Street
Los Angeles, CA 90033

RE: Air Products and Chemicals, Inc.
Long Beach, CA 90810

Dear Sir/Madam:

Enclosed are the registrations of underground storage tanks for the above referenced facility. We had anticipated removal of these tanks by now, since the plant operation have ceased, but tank removal has been delayed until this fall.

For this reason, we are registering these tanks for the iterim period until they are removed.

Please call Robert Swigart at (215) 481-8867 if you have any questions. Thank you for your cooperation with this matter.

Sincerely,

Air Products and Chemicals, Inc.

L. E. Whited
Production Manager

RJS

RJS/tms

Attachment

3036 B

APPLICATION FOR CLOSURE
HAZARDOUS MATERIALS UNDERGROUND STORAGE
COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
WASTE MANAGEMENT DIVISION
2250 ALCAZAR STREET
LOS ANGELES, CALIFORNIA 90033

OWNER:
NAME AIR PRODUCTS & CHEMICALS, INC
ADDRESS BOX 538 CITY ALLENTOWN STATE PA ZIP 18105

CK # 3/06 $255.00

FACILITY:
NAME AIR PRODUCTS & CHEMICALS, INC.
SITE ADDRESS 23320 S. ALAMEDA ST. CITY CARSON ZIP
MAILING ADDRESS 23320 S. ALAMEDA ST CITY CARSON STATE ZIP
CONTACT PERSON DAVE SMITH TITLE FACILITY MGMT PHONE 213-830-5205

CLOSURE REQUESTED:
☐ TEMPORARY (REFER TO CONDITIONS A AND B ON BACK OF THIS FORM)
EFFECTIVE DATE OF CLOSURE
DATE OPERATION WILL RESUME
☒ PERMANENT, TANK(S) REMOVAL DISPOSAL DESTINATION AMR, ONTERIO, CA
(REFER TO CONDITIONS A AND C ON BACK OF THIS FORM)
☐ PERMANENT, TANK(S) IN PLACE
(REFER TO CONDITIONS A AND D ON BACK OF THIS FORM)

TANK(S) DESCRIPTION: (ATTACH ADDITIONAL LIST IF NECESSARY.)

TANK NO.	MATERIAL	AGE (YEARS)	CAPACITY (GAL)	MATERIALS STORED (PAST AND PRESENT)
1	STEEL	20	10,000	DIESEL
3	STEEL	20	3,000	GASOLINE
4	STEEL	20	2,000	WASTE OIL
5	STEEL	20	500	DIESEL

	YES	NO
HAS ANY UNAUTHORIZED DISCHARGE EVER OCCURRED AT THIS SITE?	☐	☒
HAVE STRUCTURAL REPAIRS EVER BEEN MADE ON THESE TANKS?	☐	☒
WILL NEW UNDERGROUND TANKS BE INSTALLED FOLLOWING CLOSURE?	☐	☒
WILL ANY WELLS, INCLUDING MONITORING WELLS, BE ABANDONED?	☐	☒

IF THE RESPONSE TO ANY OF THE ABOVE QUESTIONS IS YES, ATTACH EXPLANATION.

BY SIGNATURE BELOW THE APPLICANT CERTIFIES THAT HE/SHE HAS READ AND UNDERSTANDS THE CONDITIONS ON THE REVERSE SIDE OF THIS FORM AND THAT THE STATEMENTS AND DISCLOSURES ABOVE ARE TRUE AND CORRECT.

APPLICANT'S SIGNATURE Ronald S. Tillman DATE 7/28/87
OWNER ☐ OPERATOR ☐ CONTRACTOR INTERNATIONAL TECHNOLOGY CORPORATION
STATE LICENSE NO. 137422

TO BE COMPLETED BY THE COUNTY ENGINEER

BY SIGNATURE BELOW APPLICANT IS GRANTED APPROVAL TO PROCEED WITH THE CLOSURE.

FEE COLLECTED $ 255.00
PERMIT NO 3036 B
FILE NO 5385 R/C 22

Blair D Burgess DATE 7/29/87
TO ARRANGE FOR AN INSPECTION, TELEPHONE DON TRUMAN

LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
CLOSURE REPORT REQUIREMENTS

A closure report shall be submitted to the Los Angeles County Department of Public Works, Waste Management Division, P.O. Box 4089, Los Angeles, CA 90051 containing:

1. File number of facility and closure permit number.
2. Plot plan to scale showing locations of tanks, sampling points, buildings, adjacent streets and north arrow.
3. Description of methods for obtaining, handling and transporting samples.
4. Time and date samples were obtained.
5. If borings were established, boring logs certified by a CA Registered Geologist, CA Certified Engineering Geologist or CA Registered Civil Engineer with sufficient experience in soils.
6. Chain-of-custody documentation initiated by person obtaining sample through person at State Department of Health Services certified laboratory.
7. Disposal destination of tanks and evidence of legal disposal.
8. Analysis results by a State certified laboratory submitted on laboratory letterhead showing analysis date, methods of extraction and methods of analysis.
9. Documentation as to depth of groundwater at facility.
10. Manifests to document hazardous waste disposal of any removed soil.
11. Any observations of site contamination.
12. Remedial action plan to mitigate contamination.
13. Report to be signed by CA Registered Geologist, CA Certified Engineering Geologist or CA Registered Civil Engineer with sufficient experience in soils.

Signature Ronald S. [illegible] Date 7/28/87

CLOSURE PERMIT SUPPLEMENT
HAZARDOUS MATERIALS UNDERGROUND STORAGE
LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
WASTE MANAGEMENT DIVISION
2250 ALCAZAR STREET
LOS ANGELES, CALIFORNIA 90033

Closure Permit No. 3436 B
File No. I-5335-22

To satisfy the permanent closure requirements for underground storage tanks previously storing hazardous materials, site integrity must be demonstrated by the analysis of soil samples and, if applicable, groundwater samples as outlined below. These requirements are in addition to the conditions listed on the Application fo Closure or contained in an approved Closure Plan.

1. Samples shall be obtained at the sampling points (SP) indicated on the attached plot plan.

2. For each SP, samples shall be obtained at the following depths:

SP	Depth(s)	Compounds	Analysis Method
1,2	2' TO 4' BELOW TANK INVERT	T.P.H	EPA 8015 OR 418.1
3,4	" "	"	" "
5,6	" "	"	EPA 8015
7,8	" "	"	EPA 418.1

3. All soil samples obtained shall be undisturbed and unexposed prior to analysis. The method used to obtain the samples and the date of sampling shall be included in the final report.

4. If groundwater is encountered during sampling, a groundwater monitoring well shall be established at the most downgradient sampling point. The well shall be developed by removing a minimum of four well volumes and a groundwater sample shall be obtained and analyzed.

5. The analysis results for all soil samples shall be expressed in milligrams per kilogram (mg/kg). Analysis results for groundwater samples shall be expressed in parts per billion (ppb).

6. Analysis results shall be reported on laboratory letterhead and shall include the following information: a) The date the analysis was conducted; b) The method of extraction (if applicable); c) The method of analysis.

7. All soil/groundwater samples obtained shall be handled and transported to a laboratory in strict accordance with applicable EPA regulations utilizing chain-of-custody procedures. Chain-of-custody documentation shall be included in the final report.

8. If the soil/groundwater analysis indicates undefined contamination at the facility, additional sampling shall be required to define the vertical and lateral extent present.

9. A final report that contains all of the above required information shall be submitted to the office above within one (1) month from the sampling date or 180 days from the date of this permit, whichever earlier.

INTERNATIONAL TECHNOLOGY CORPORATION

By _____ Date _____ Subject _____ Sheet No. ____ of ____

Chkd. By ____ Date _____ Proj. No. _____

TANK REMOVAL FOR:

AIR PRODUCTS & CHEMICALS, INC.

23320 SOUTH ALAMEDA STREET

~~LONG BEACH~~ CARSON, CA

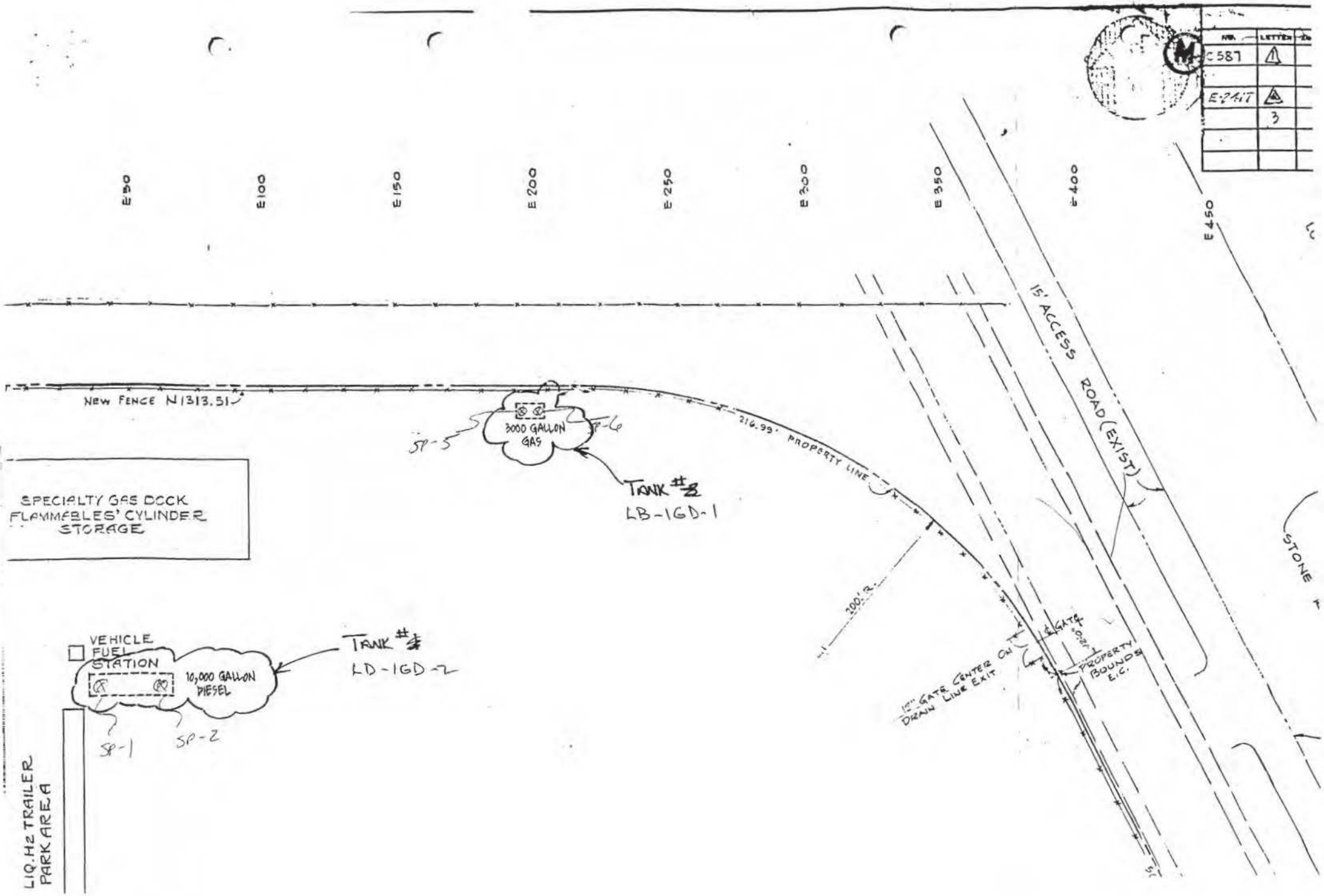
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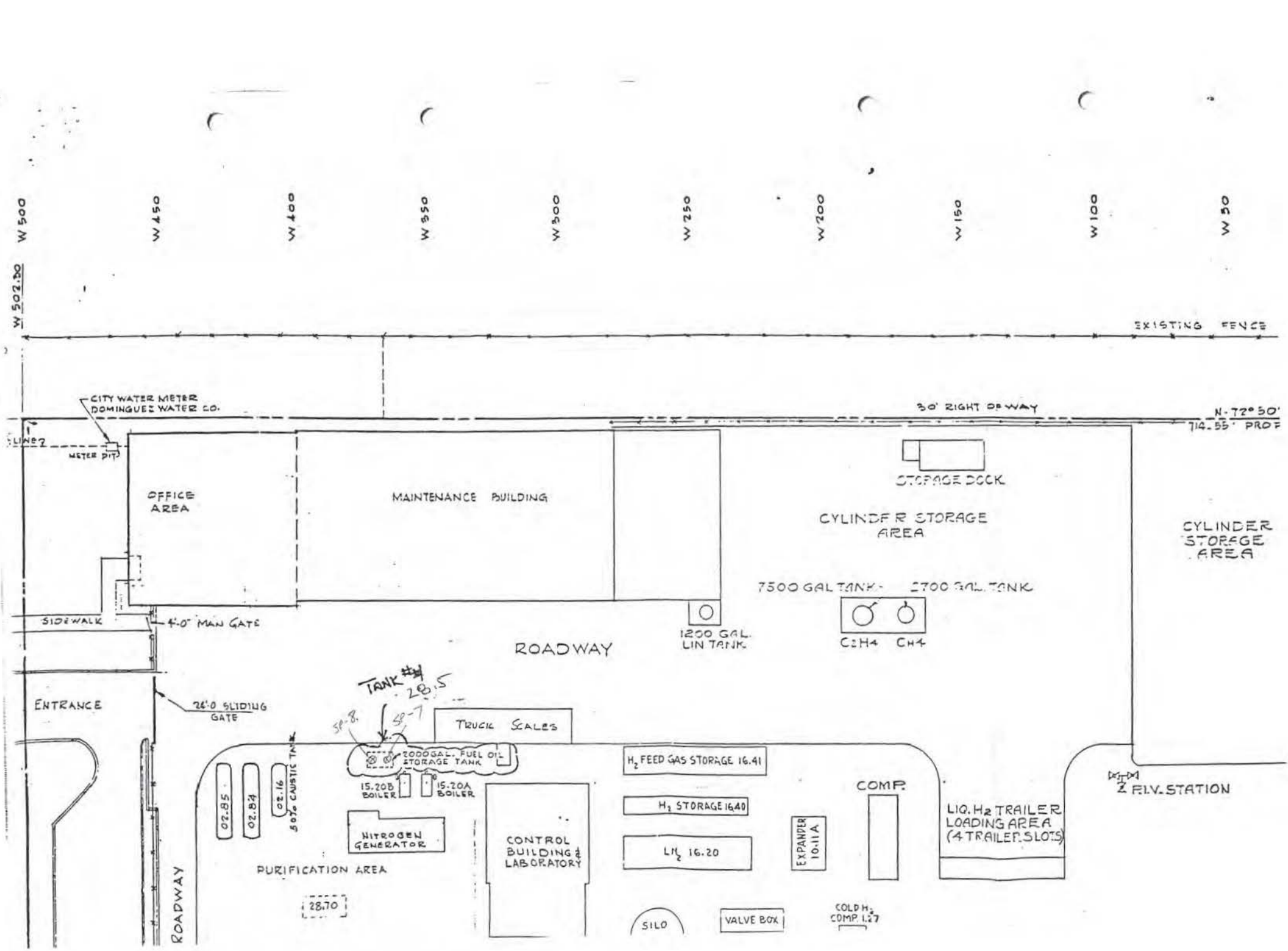
IT CORPORATION

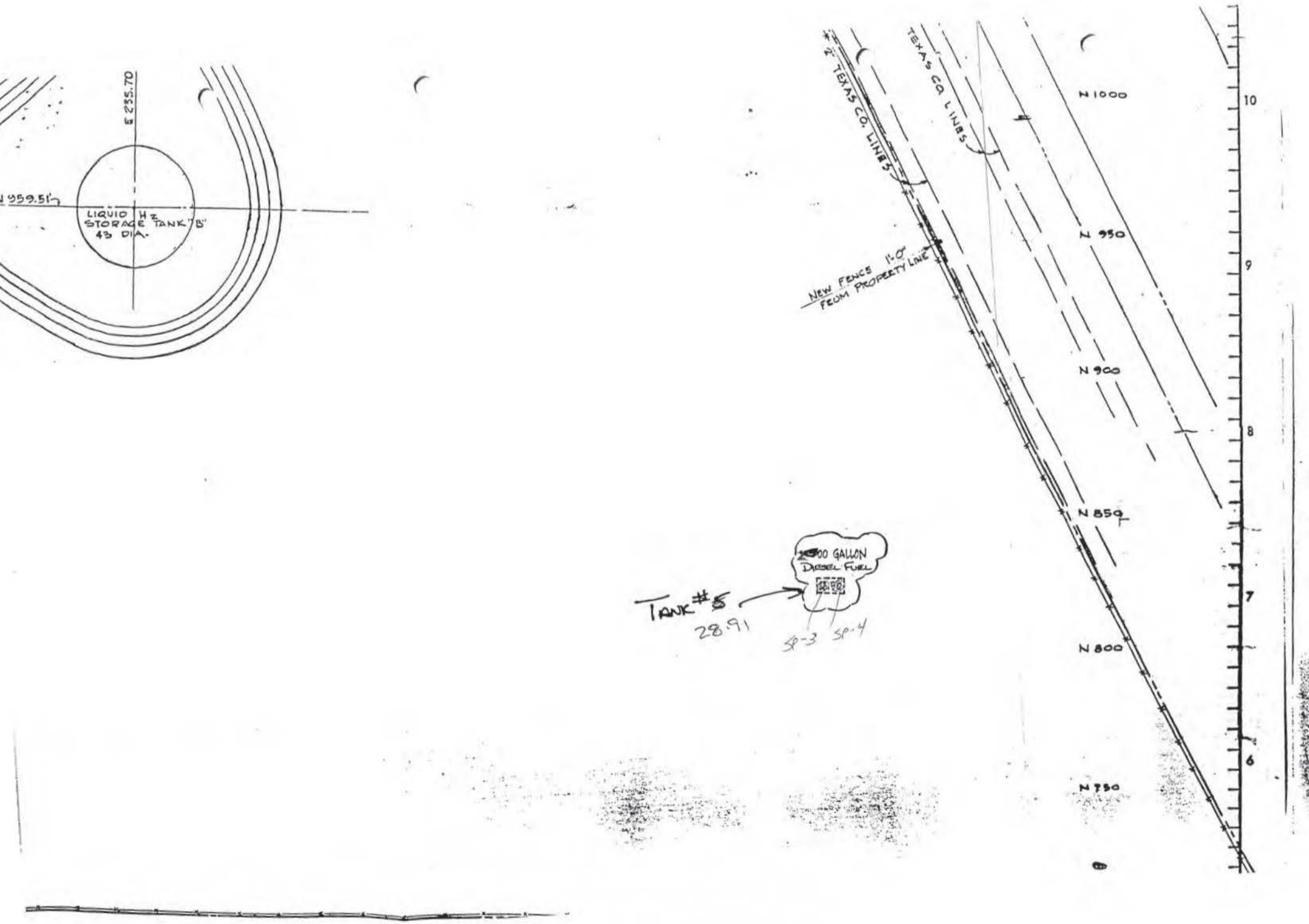
SCOPE: REMOVE:

TANK #	VOLUME	CONTENTS
~~1~~ LD-16D-2	10,000	Diesel
~~3~~ LB-16D-1	3,000	GASOLINE
4 28.5	2,000	W/ASTE OIL
~~5~~ 28.91	~~5000~~ 2000	Diesel

— SITE PLAN ATTACHED —


E50
E100
E150
E200
E250
E300
E350
E400
E450
15' ACCESS ROAD (EXIST)
STONE
New Fence N1313.51
216.99' PROPERTY LINE
3000 GALLON GAS
SP-5
SP-4
TANK #3
LB-1GD-1
SPECIALTY GAS DOCK
FLAMMABLES' CYLINDER
STORAGE
200.2'
VEHICLE FUEL STATION
10,000 GALLON DIESEL
TANK #4
LD-1GD-2
SP-1
SP-2
LIQ. H2 TRAILER PARK AREA
16" GATE CENTER ON DRAIN LINE EXIT
GATE
10.21'
PROPERTY BOUNDS E.I.C.
C587
E-2417
3


W 500
W 450
W 400
W 350
W 300
W 250
W 200
W 150
W 100
W 50
W 502.30
EXISTING FENCE
CITY WATER METER
DOMINGUEZ WATER CO.
METER PIT
30' RIGHT OF WAY
N-72° 50'
714.55' PROP
OFFICE AREA
MAINTENANCE BUILDING
STORAGE DOCK
CYLINDER STORAGE AREA
CYLINDER STORAGE AREA
7500 GAL TANK
2700 GAL. TANK
SIDEWALK
4'-0" MAN GATE
ROADWAY
1200 GAL. LIN TANK
C2H4
CH4
ENTRANCE
26'-0 SLIDING GATE
TANK #2805
58-8
58-7
TRUCK SCALES
2000 GAL. FUEL OIL STORAGE TANK
15.20B BOILER
15.20A BOILER
02.85
02.84
02.16
50% CAUSTIC TANK
H2 FEED GAS STORAGE 16.41
COMP.
H2 STORAGE 16.40
LIQ. H2 TRAILER LOADING AREA (4 TRAILER SLOTS)
F.I.V. STATION
NITROGEN GENERATOR
CONTROL BUILDING & LABORATORY
LN2 16.20
EXPANDER 10-11A
PURIFICATION AREA
28.70
ROADWAY
SILO
VALVE BOX
COLD H2 COMP. L.27


E 235.70
N 959.51
LIQUID H2 STORAGE TANK "B" 43 DIA.
TEXAS CO. LINES
TEXAS CO. LINES
NEW FENCE 1'-0" FROM PROPERTY LINE
N 1000
N 950
N 900
N 850
N 800
N 750
10
9
8
7
6
GALLON DIESEL FUEL
TANK #5
28.91
SP-3
SP-4

COUNTY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

Department of Public Works
Waste Management Division
24320 S. Narbonne Avenue
Lomita, CA 90717
(213) 534-4862

THOMAS A. TIDEMANSON, Director
HIAM BARMACK, Chief Deputy Director
JAMES L. EASTON, Chief Deputy Director
WYNN L. SMITH, Chief Deputy Director

ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 2419
LOS ANGELES, CALIFORNIA 90061

IN REPLY PLEASE
REFER TO FILE
I - 5385-22
P-3036-8

Attention: Carl Sjoberg

The address below was inspected for compliance with the Los Angeles County Code, Title 11, Division 4, underground storage of hazardous materials.

_ Tank(s) installation 4 Tank(s) removal

Company Name: Air Products + Chemicals 437-0461

Address 23320 S. Alameda St. Tel: (213) ~~830-5205~~

Owner/person responsible Dave Smith

Contractor I.T. Tel (714) 261-6441

Address 17461 Derian Ave., Irvine

Tank Store Size 1-10,000 Diesel; 1-~~2~~000 diesel; 3000 gasoline, 2000 waste oil

Waste oil ✓ Gasoline ✓ Diesel 2 Chemical _ I.W. _

Other _____

single containment ✓ secondary containment __ monitoring system __

secondary piping __ other _____

Date inspected 8/4/87

Complies ✓

Not comply _____

Most western diesel tank (listed as 500 gallon, but 2000 gallon) excavation highly contaminated. Clean up may be difficult due to the tank being adjacent to permanently tacked down machinery & above ground tanks. Rumored that plant will be demolished soon. Other excavations look fairly clean. Sampling techniques good.

Inspector Bonnie Keolian

Bonnie Keolian
Industrial Waste Engineering Inspector

3036 B

APPLICATION FOR CLOSURE
HAZARDOUS MATERIALS UNDERGROUND STORAGE
COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
WASTE MANAGEMENT DIVISION
2250 ALCAZAR STREET
LOS ANGELES, CALIFORNIA 90033

OWNER:
NAME Air Products & Chemicals, Inc
ADDRESS Box 538 CITY Allentown STATE PA ZIP 18105

FACILITY:
NAME Air Products & Chemicals, Inc.
SITE ADDRESS 23320 S. Alameda St. CITY Carson ZIP
MAILING ADDRESS 23320 S. Alameda St CITY Carson STATE ZIP
CONTACT PERSON Dave Smith TITLE Facility Mgmt PHONE 213-830-5205

CLOSURE REQUESTED:
☐ TEMPORARY (REFER TO CONDITIONS A AND B ON BACK OF THIS FORM)
EFFECTIVE DATE OF CLOSURE
DATE OPERATION WILL RESUME
☒ PERMANENT, TANK(S) REMOVAL DISPOSAL DESTINATION AMR, Ontario, CA
(REFER TO CONDITIONS A AND C ON BACK OF THIS FORM)
☐ PERMANENT, TANK(S) IN PLACE
(REFER TO CONDITIONS A AND D ON BACK OF THIS FORM)

TANK(S) DESCRIPTION: (ATTACH ADDITIONAL LIST IF NECESSARY.)

TANK NO.	MATERIAL	AGE (YEARS)	CAPACITY (GAL)	MATERIALS STORED (PAST AND PRESENT)
1	STEEL	20	10,000	DIESEL
3	STEEL	20	3,000	GASOLINE
4	STEEL	20	2,000	WASTE OIL
5	STEEL	20	500	DIESEL

	YES	NO
HAS ANY UNAUTHORIZED DISCHARGE EVER OCCURRED AT THIS SITE?	☐	☒
HAVE STRUCTURAL REPAIRS EVER BEEN MADE ON THESE TANKS?	☐	☒
WILL NEW UNDERGROUND TANKS BE INSTALLED FOLLOWING CLOSURE?	☐	☒
WILL ANY WELLS, INCLUDING MONITORING WELLS, BE ABANDONED?	☐	☒

IF THE RESPONSE TO ANY OF THE ABOVE QUESTIONS IS YES, ATTACH EXPLANATION.

BY SIGNATURE BELOW THE APPLICANT CERTIFIES THAT HE/SHE HAS READ AND UNDERSTANDS THE CONDITIONS ON THE REVERSE SIDE OF THIS FORM AND THAT THE STATEMENTS AND DISCLOSURES ABOVE ARE TRUE AND CORRECT.

APPLICANT'S SIGNATURE Ronald S. Tillman DATE 7/28/87
OWNER ☐ OPERATOR ☐ CONTRACTOR International Technology Corporation
STATE LICENSE NO. 137422

TO BE COMPLETED BY THE COUNTY ENGINEER

BY SIGNATURE BELOW APPLICANT IS GRANTED APPROVAL TO PROCEED WITH THE CLOSURE.

FEE COLLECTED $ 755.00
PERMIT NO 3036 B
FILE NO 5385 R/C 22

Blair D Burgess L DATE 7/29/87
TO ARRANGE FOR AN INSPECTION, TELEPHONE Don Tolman

PROVISIONAL
HAZARDOUS MATERIALS UNDERGROUND STORAGE PERMIT
COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
WASTE MANAGEMENT DIVISION
2250 ALCAZAR STREET
LOS ANGELES, CALIFORNIA 90033

PERMIT NO. 3293

EXPIRATION DATE NOV 27 1987

PERMISSION IS HEREBY GRANTED UNDER LACC TITLE 11, DIVISION 4 TO:

005385-22 <<<<<<<< FILE NUMBER

AIR PRODUCTS MFG CORP <<<<<<<< PERMITTEE
23320 S ALAMEDA ST
CARSON CA 90810

RE: 23320 S ALAMEDA ST <<<<<<<< FACILITY ADDRESS

TO STORE HAZARDOUS MATERIALS IN UNDERGROUND TANK(S) LOCATED AT THE FACILITY ABOVE.

NUMBER OF PERMITTED TANKS: 5

THIS PROVISIONAL PERMIT IS SUBJECT TO THE FOLLOWING REQUIREMENTS:

PART A — GENERAL CONDITIONS AND LIMITATIONS (ATTACHED).

PART B — AUTHORIZED HAZARDOUS MATERIAL STORAGE TANKS (ATTACHED).

PART C — SPECIFIC CONDITIONS AND LIMITATIONS:

1. THE PERMITTEE SHALL SUBMIT FOR APPROVAL AND IMPLEMENT A LEAK DETECTION PROGRAM (LDP) AND A TANK MONITORING PROGRAM (TMP) PREPARED IN ACCORDANCE WITH "UNDERGROUND STORAGE OF HAZARDOUS MATERIALS - GUIDELINES FOR EXISTING FACILITIES, OCTOBER 1986."

2. THE FOLLOWING TIME SCHEDULE SHALL APPLY TO SUBMITTALS REQUIRED BY THIS PROVISIONAL PERMIT:

   a. PERMIT FEE DUE BY (SEE INVOICE) To Be Billed

   b. TANK INTEGRITY TEST RESULTS DUE BY AUG 27 1987

   c. PROPOSALS FOR LDP AND TMP DUE BY AUG 27 1987

3. PERMIT EFFECTIVE DATE 5-5-86
   NOTE: THE EFFECTIVE DATE IS DETERMINED BY ORIGINAL DATE OF PERMIT APPLICATION.

PART D — SPECIAL CONDITIONS AND LIMITATIONS ATTACHED. YES [ ] NO [XX]

This Provisional Permit is valid only for the continued operation of tanks providing suitable storage and expires six (6) months from the date of issue. Permittee has until the expiration date to complete an approved LDP and to install and be in compliance with an approved TMP. Upon full compliance with the approved LDP and TMP and all other conditions and limitations, this Provisional Permit will be replaced by a full term Operational Permit for the remainder of the unexpired five (5) year term from the effective date unless otherwise noted in Part D above.

T. A. TIDEMANSON
DIRECTOR OF PUBLIC WORKS

BY _____ MAY 27 1987
WASTE MANAGEMENT DIVISION

PP801 10/86

UNAUTHORIZED DISCHARGES

20. As soon as any person in charge of a facility or responsible for emergency response for a facility has knowledge of any confirmed or unconfirmed unauthorized discharge of a hazardous material, such person shall take all necessary steps to ensure the discovery, containment, and cleanup of such discharge and shall notify the DPW of the occurrence as required.

21. Any owner or operator who has knowledge of a confirmed unauthorized discharge shall immediately notify the DPW.

22. Within the jurisdiction of the Los Angeles County Fire Department, an unauthorized discharge shall also be reported to the Los Angeles County Forester and Fire Warden, Fire Prevention and Conservation Bureau.

23. The permittee shall institute and complete all actions necessary to remedy the effects of any unauthorized discharge, whether sudden or gradual, and supply information on such actions to the DPW.

24. The continued use of, and permit approval for, existing facilities is subject to review and modification or termination by the DPW whenever there has been any unauthorized discharge. In determining whether continued underground storage in such facility is suitable, the DPW shall consider the age of the facility, the methods of containment, the methods of monitoring, the feasibility of the required retrofit, the concentration of the hazardous materials contained, the severity of potential unauthorized discharge and the suitability of other long term preventive measures.

EVALUATIONS AND INSPECTIONS

25. Whenever the approval or satisfaction of the DPW may be required for a design, monitoring, testing or other technical submittal by a permittee, the DPW may require such permittee, at the permittee's sole cost and expense, to retain a suitable qualified independent engineer, chemist or other appropriate professional consultant acceptable to the DPW, for the purpose of evaluating and rendering a professional opinion respecting the adequacy of such submittal.

26. The DPW conduct inspections for the purpose of ascertaining compliance by the permittee and effecting corrections of any conditions which would constitute any violation of any statute, code, rule or regulation affecting the underground storage of hazardous materials.

27. Whenever necessary for the purpose of investigation or enforcement, or whenever a representative of the DPW, County Health Officer, or Forester and Fire Warden has reasonable cause to believe that there exists in any structure or upon any premises any condition which constitutes a violation, said representative may enter such structure or premises at all reasonable times to inspect the same, or to perform any duty imposed by law.

28. The permittee shall conduct regular inspections of the facility to assure compliance with this permit and shall maintain logs or file reports in accordance with this permit.

29. The DPW may require the periodic employment of special inspectors to conduct an audit or assessment of permittee's facility to make a hazardous material safety evaluation and to determine compliance.

30. Permittee shall, within 30 days of said evaluation, file with the DPW a plan to implement all recommendations, or shall demonstrate to the satisfaction of the DPW why such recommendations shall not be implemented.

31. The DPW may require that any regular or special inspection by the permittee be made in the presence of a representative of the DPW. The DPW may further require advance notice of not less than 72 hours as to the availability of equipment, material and personnel required to conduct such inspections.

SUSPENSIONS AND REVOCATIONS

32. This permit is subject to suspension or revocation if conditions exist which would justify denial of a permit or if permittee fails to correct unsatisfactory conditions.

33. Failure to adhere to all applicable conditions and limitations of this permit shall constitute a willful violation of Title 11, Division 4 of the Los Angeles County Code and may result in civil or criminal penalties, revocation of this permit, or both.

PART B — TANK DATA
HAZARDOUS MATERIALS UNDERGROUND STORAGE PERMIT NO. 3293

AUTHORIZED HAZARDOUS MATERIAL STORAGE TANKS

TANK NUMBER	CAPACITY (GALLONS)	CONTENTS
28.91	2,000	Diesel
28.7	6,000	10% Waste NAOH Solution
28.5	2,000	Waste Oil
LB-1GD-1	3,000	Unleaded
LD-1GD-2	10,000	Diesel

PROVISIONAL
HAZARDOUS MATERIALS UNDERGROUND STORAGE PERMIT
COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
WASTE MANAGEMENT DIVISION
2250 ALCAZAR STREET
LOS ANGELES, CALIFORNIA 90033

PERMIT NO. 3293

EXPIRATION DATE NOV 27 1987

PERMISSION IS HEREBY GRANTED UNDER LACC TITLE 11, DIVISION 4 TO:

005385-22 <<<<<<<< FILE NUMBER
<<<<<<<< PERMITTEE

AIR PRODUCTS MFG CORP
23320 S ALAMEDA ST
CARSON CA 90810

<<<<<<<< FACILITY ADDRESS

RE: 23320 S ALAMEDA ST

TO STORE HAZARDOUS MATERIALS IN UNDERGROUND TANK(S) LOCATED AT THE FACILITY ABOVE.

NUMBER OF PERMITTED TANKS: 5

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2. THE FOLLOWING TIME SCHEDULE SHALL APPLY TO SUBMITTALS REQUIRED BY THIS PROVISIONAL PERMIT:

   a. PERMIT FEE DUE BY (SEE INVOICE) To Be Billed

   b. TANK INTEGRITY TEST RESULTS DUE BY AUG 27 1987

   c. PROPOSALS FOR LDP AND TMP DUE BY AUG 27 1987

3. PERMIT EFFECTIVE DATE 5-5-86
   NOTE: THE EFFECTIVE DATE IS DETERMINED BY ORIGINAL DATE OF PERMIT APPLICATION.

PART D — SPECIAL CONDITIONS AND LIMITATIONS ATTACHED. YES [ ] NO [XX]

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T. A. TIDEMANSON
DIRECTOR OF PUBLIC WORKS

BY _____ MAY 27 1987
WASTE MANAGEMENT DIVISION

PP801 10/86

PART B — TANK DATA
HAZARDOUS MATERIALS UNDERGROUND STORAGE PERMIT NO. 3293

AUTHORIZED HAZARDOUS MATERIAL STORAGE TANKS

TANK NUMBER	CAPACITY (GALLONS)	CONTENTS
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LB-1GD-1	3,000	Unleaded
LD-1GD-2	10,000	Diesel

COUNTY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

1540 ALCAZAR STREET
LOS ANGELES, CALIFORNIA 90033
Telephone: (213) 226-8111

THOMAS A. TIDEMANSON, Director
WYNN SMITH, Chief Deputy Director
CECIL BUGH, Assistant Director

ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 4089
LOS ANGELES, CALIFORNIA 90051

October 1, 1987

IN REPLY PLEASE
REFER TO FILE:
I-5385-

Mr. Ronald Shadman
Air Products Manufacturing Corporation
23320 South Alameda Street
Carson, CA 90810

Dear Mr. Shadman:

HAZARDOUS MATERIALS UNDERGROUND STORAGE
SITE INVESTIGATION PROPOSAL AND/OR REMEDIAL ACTION PLAN
FACILITY AT: 23320 South Alameda Street

The site investigation proposal and/or remedial action plan submitted on September 3, 1987 for the above facility has been reviewed by this office and found adequate. You may proceed with the plan as proposed unless otherwise indicated below.

You are cautioned that any contaminated soils or hazardous materials generated during the approved operation must be manifested and transported to a hazardous waste disposal facility as required by California Health and Safety Code, Division 20, Chapter 6.5, unless evidence is presented indicating that the material may be disposed of at a less restricted facility. Copies of all completed manifests shall be submitted to this office as part of the final report.

[ ] A Hazardous Waste Facility Permit or a Variance from permit requirements must be obtained from the State Department of Health Services and copies submitted to this office before commencing the proposed remedial action.

[X] NOTE Requirements pertaining to closure permit 3036B have been satisfied. Upon completing the site assessment and any required remedial action, the closure will be final
A written report containing the required information must be submitted to this office by November 6, 1987.

If you have any questions concerning this matter, please contact Mr. Blair Burgess at (213) 226-4437.

Very truly yours,

T. A. TIDEMANSON
Director of Public Works

By Blair O. Burgess
Waste Management Division

cc: IT Corp.

SI103 Rev. 3/87

COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
1648 ALCAZAR STREET
LOS ANGELES, CALIFORNIA 90033
Telephone: (213) 226-8111

THOMAS A. TIDEMANSON, Director
WYNN SMITH, Chief Deputy Director
CECIL BUGH, Assistant Director

ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 4089
LOS ANGELES, CALIFORNIA 90051

Long Beach - Ind Waste

October 1, 1987

IN REPLY PLEASE
REFER TO FILE:
I-5385-

Mr. Ronald Shadman
Air Products Manufacturing Corporation
23320 South Alameda Street
Carson, CA 90810

Dear Mr. Shadman:

HAZARDOUS MATERIALS UNDERGROUND STORAGE
SITE INVESTIGATION PROPOSAL AND/OR REMEDIAL ACTION PLAN
FACILITY AT: 23320 South Alameda Street

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Very truly yours,

T. A. TIDEMANSON
Director of Public Works

By Blair O. Burgess
Waste Management Division

cc: IT Corp.

SI103 Rev. 3/87

Waste

Air Products and Chemicals, Inc.
Box 538
Allentown, PA 18105
Telephone (215) 481-4911

AIR PRODUCTS

12 November 1987

701303
BDB

RECEIVED
NOV 19 1987
DEPARTMENT OF PUBLIC WORKS
ENGINEERING SERVICES DIVISION

Mr. Blair Burgess
Department of Public Works
P.O. Box 4089
Los Angeles, CA 90051

Re: I-5385
Air Products Manufacturing Corporation
Carson, California Facility

Dear Mr. Burgess:

Per our earlier telephone conversation and my subsequent conversations with Mr. Ronald Illium, of International Technologies Corporation, we request approval to temporarily postpone the investigation and remedial action planned for tank number 28.91 at our South Alameda Street facility.

The hydrogen plant served by tank 28.91 is no longer in operation. Current plans call for the dismantlement of the facility. Because the area, in which tank 28.91 was located, is overlain by process equipment and structural concrete, it would be necessary to let a separate contract for partial demolition to properly complete the action plan. In addition an inactive, and previously emptied and cleaned, tank lies to the south of 28.91. It too is overlain extensively by equipment and concrete.

It is our hope to dismantle the entire facility, thereby allowing ready access to both tank areas. In this fashion we could then remove the inactive tank and perform a complete remediation to the 28.91 tank area. Accordingly, we are proceeding with the treatment of the previously excavated soils, and request approval to delay further investigation of the 28.91 area until 1 April 1989.

If you should have any questions or require additional information please contact me at (215) 481-5154.

Sincerely,

G P Thompson

Gerard P. Thompson

GPT:js
3016K-W3

cc: Ronald Illium, Project Engineer
International Technology Corporation
17461 Derian Avenue
Suite 190
Irvine, California 92714

COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS

1540 ALCAZAR STREET
LOS ANGELES, CALIFORNIA 90033
Telephone: (213) 226-8111

THOMAS A. TIDEMANSON, Director

ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 4089
LOS ANGELES, CALIFORNIA 90051

December 14, 1987

IN REPLY PLEASE
REFER TO FILE: I-5385-22

Mr. Gerard P. Thompson
Air Products and Chemicals, Inc.
Box 538
Allentown, PA 18105

Dear Mr. Thompson:

HAZARDOUS MATERIAL UNDERGROUND STORAGE PERMIT
REQUEST FOR TIME EXTENSION
PERMIT NO. 3293
FACILITY LOCATION: 23320 South Alameda Street

Your request for time extension to complete requirements under the subject Provisional Hazardous Materials Underground Storage Permit (HMUSP) is hereby granted as follows:

[ ] Provisional HMUSP expiration date is extended to _____.

[ ] Tank integrity test results due by _____.

[ ] LDP/TMP proposals due by _____.

[X] Other: Site investigation proposal due date extended to January 15, 1988. Immediate action is required due to reported depth to groundwater.

The time extension(s) above apply only to obligations due under your Provisional HMUSP and do not extend the HMUSP effective date or full term operational permit expiration date.

If you have any questions, please contact Mr. Blair Burgess at (213) 226-4437.

T. A. Tidemanson
Director of Public Works

By Blair O. Burgess
Waste Management Division

ET101

RECEIVED
JAN 20 1988
DEPARTMENT OF PUBLIC WORKS
ENGINEERING SERVICES DIVISION

13 Waste

Air Products and Chemicals, Inc.
Box 538
Allentown, PA 18105
Telephone (215) 481-4911

AIR PRODUCTS

I-5385

19 January 1988

810.25

Mr. Blair Burgess
County of Los Angeles
Department of Public Works
1540 Alcazard Street
Los Angeles, California 90023

BLB
800442

RE: Permit No. 3293
Air Products and Chemicals, Inc.
23320 South Alameda Street

Dear Mr. Burgess:

Per your 14 December 1987 letter and our 13 January 1987 telephone conversation, we are planning a two phased approach to the delineation and remediation of the soil contaimination, identified during the 4 August 1987 removal of the 2500 gallon diesel fuel tank.

Attached please find the Scope of Work, prepared by IT Corporation, to determine the depth of the existing contamination. Once we have determined if groundwater has been affected, we will prepare a proposal for determining the lateral extent of contamination along with remediation.

We plan to complete this first phase of work during the week of February 1, 1988.

If you should have any questions or require additional information, please contact me at (215) 481-5154.

Very truly yours,

Air Products and Chemicals, Inc.

GP Thompson

Gerard P. Thompson
Manager, Operations Environmental Engineering

GPT/tms

SCOPE OF WORK

Geophysical Underground Locator

Geophysical utility locating services will be used to delineate any utility conduits, subsurface piping, or other obstructions beneath proposed drilling locations.

Backfill Tank Excavation

Stockpiled soil from the tank excavation will be used as backfill. Prior to backfilling, any standing water will be pumped from the excavation. A sheet of Visqueen® plastic will be placed at the base. The fill material will be compacted in 1 to 2 foot lifts to provide a stable drilling platform.

Standing water will be sampled and analyzed for fuel hydrocarbons to determine appropriate disposition. The water will be removed with a vacuum truck and transported to an oil recycler, if necessary.

Drilling and Sample Collection

IT proposes to drill, log, and sample one soil boring (Boring B-1) within and three more (Borings B-2, B-3, and B-4) circumscribing the backfilled tank excavation of former Tank 28.91 (Refer to Figure 2 - Proposed Soil Boring Locations). The borings will be drilled using 10-inch outside diameter (O.D.), continuous-flight, hollow-stem augers. These borings will be advanced to the base of the soil contaminant plume or to first encounter of ground water, whichever is shallower. These borings will be used to determine the lateral and vertical extent of soil contamination and the presence or absence of near-surface ground water. Soil samples will be collected at 5 foot intervals during drilling for field observation and possible laboratory analysis. Headspace monitoring of soil cuttings using an HNu-model photoionization detector will corroborate further which samples will be submitted for chemical analysis.

Soil cuttings will be drummed on-site pending receipt of analytical results to determine appropriate disposal.

Drilling Without Sample Collection

One soil boring (Boring B-5) will be drilled to ground water in an area near but outside the soil contaminant plume. This boring will be drilled without sampling to a depth of 100 feet or to first encounter of ground water, whichever is shallower.

If ground water is encountered, a sample of aquifer material will be collected for grain size analysis to facilitate proper well installation. The boring will be terminated if a competent clay layer is encountered below the water table that is more than 5 feet thick. Care will be taken to preclude cross contamination of the uppermost aquifer. A sample of aquifer material will be collected for grain size analysis to facilitate proper well installation.

Laboratory Analyses

All analyses will be conducted by IT Analytical Services laboratory (ITAS) in Cerritos, California. Soil samples will be analyzed in accordance with the following U. S. EPA or U. S. EPA modified methods:

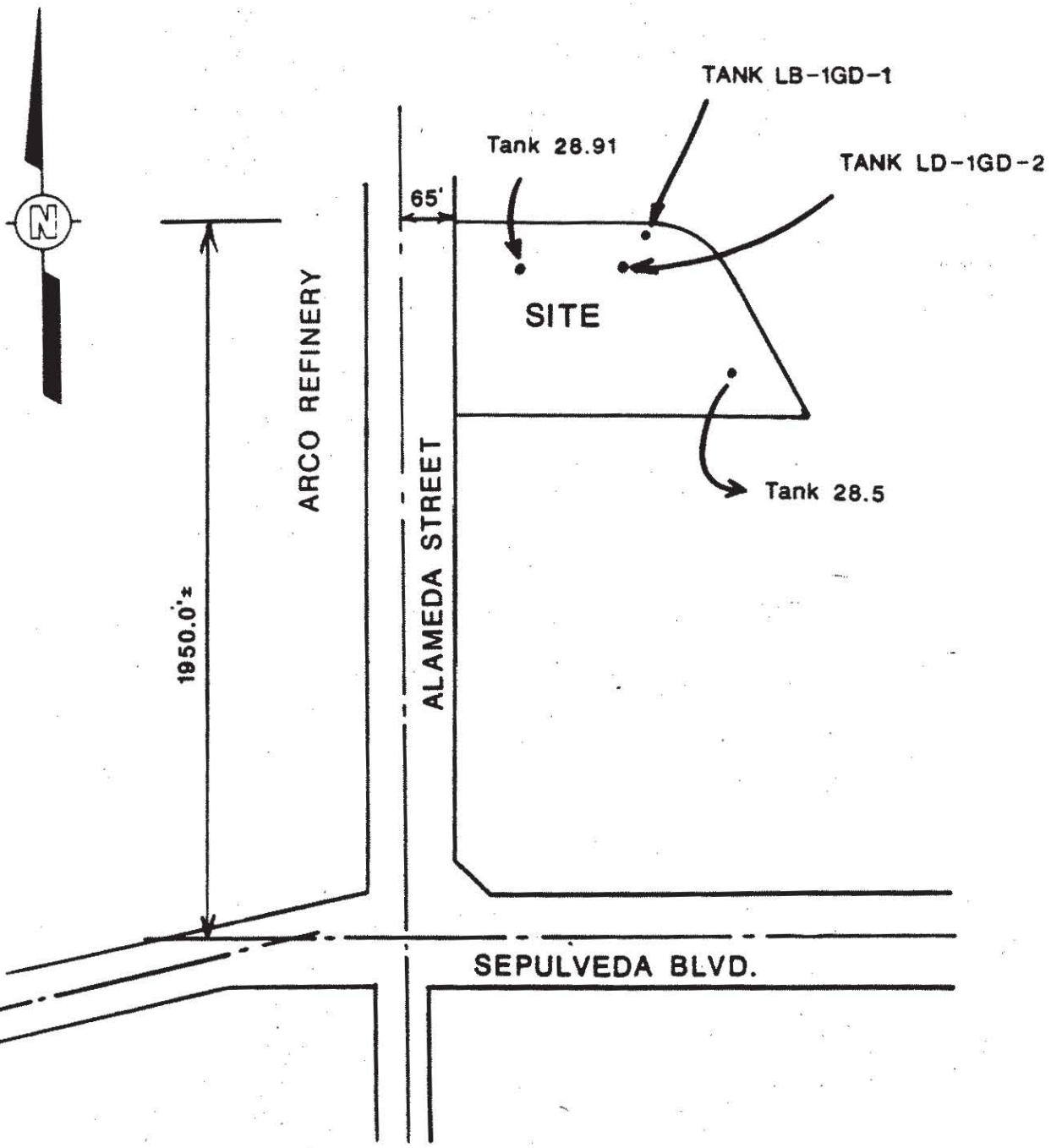
Total petroleum hydrocarbons modified (TPH) - EPA 418.1.
Flashpoint by Pensky-Martens closed cup tester - EPA 1010.
Total lead by direct aspiration, modified by California Department of Health Services (DOHS) - EPA 7420.
Benzene, toluene, xylene, and ethylbenzene (BTXE) - EPA 8020

We estimate that eight samples will be analyzed from the soil borings to determine analytically the degree of contamination and the depth at which diesel fuel contamination is no longer present. One surface water sample will be analyzed from the standing water in the tank excavation.

Report

Upon completion of the preliminary ground water site assessment and after receipt of analytical data, IT will prepare a detailed report documenting our field procedures, sample collection and preservation techniques, boring logs, analytical results, conclusions, and pertinent recommendations.

DRAWN BY	CHECKED BY	DRAWING NUMBER
KSC 1-11-88	APPROVED BY	B30852-A1



Not to Scale

Figure 1

Site Plan

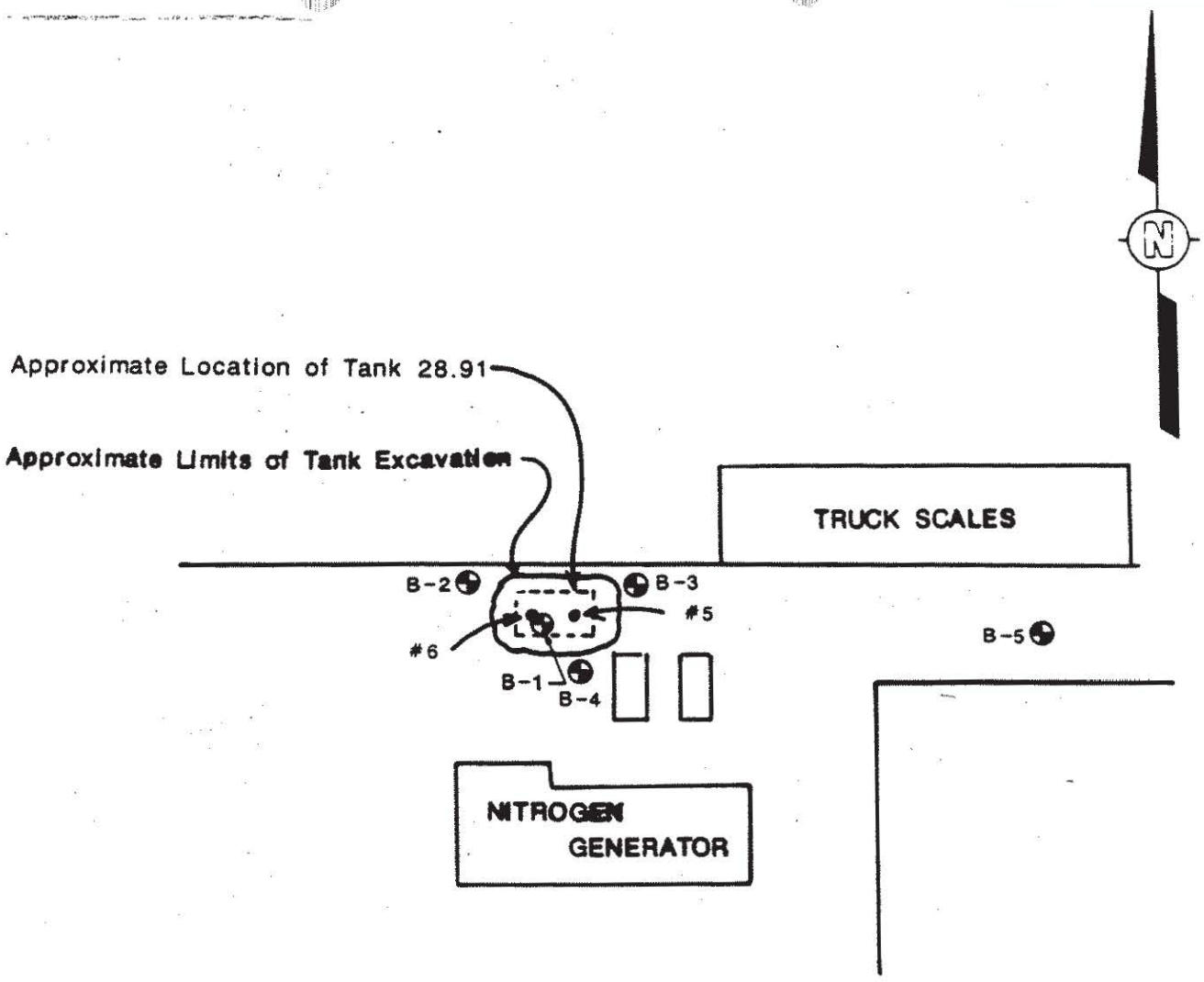
Carson Facility

PREPARED FOR

Air Products and Chemicals, Inc.
Allentown, Pennsylvania

IT ... Creating a Safer Tomorrow

DRAWN BY | CHECKED BY | APPROVED BY | DRAWING NUMBER
1-11-88 | CRP | 1-11-88 | B30852-A2



Not to Scale

LEGEND

#6 ● Soil Sample Location

B-1 ◔ Soil Boring Location

Figure 2

Proposed
Soil Boring Locations
Carson Facility

PREPARED FOR

Air Products and Chemicals, Inc.
Allentown, Pennsylvania

IT Creating a Safer Tomorrow

COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS

900 SOUTH FREMONT AVENUE
ALHAMBRA, CALIFORNIA 91803-1331
Telephone: (818) 458-5100

THOMAS A. TIDEMANSON, Director

ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 1460
ALHAMBRA, CALIFORNIA 91802-1460

12

March 16,1988

IN REPLY PLEASE REFER TO FILE: I-5385-22

Mr. Gerard Thompson
Air Products And Chemicals , Inc.
P.O. Box 538
Allentown , Pa 18105

Dear Mr. Thompson

HAZARDOUS MATERIALS UNDERGROUND STORAGE
SITE INVESTIGATION PROPOSAL AND/OR REMEDIAL ACTION PLAN
FACILITY AT: 23320 S. ALAMEDA ST., CARSON

The site investigation proposal and/or remedial action plan submitted on January 20, 1988 for the above facility has been reviewed by this office and found adequate. You may proceed with the plan as proposed unless otherwise indicated below.

You are cautioned that any contaminated soils or hazardous materials generated during the approved operation must be manifested and transported to a hazardous waste disposal facility as required by California Health and Safety Code, Division 20, Chapter 6.5, unless evidence is presented indicating that the material may be disposed of at a less restricted facility. Copies of all completed manifests shall be submitted to this office as part of the final report.

[ ] A Hazardous Waste Facility Permit or a Variance from permit requirements must be obtained from the State Department of Health Services and copies submitted to this office before commencing the proposed remedial action.

[x] NOTE The water well must be constructed down gradient of the former tank location. Water samples must be analyzed for T.P.H. (EPA 8015) and BTX ,(EPA 602).
A written report containing the required information must be submitted to this office by May 20, 1988 .

If you have any questions concerning this matter, please contact Mr. Blair Burgess at (818) 458-3507 .

Very truly yours,

T. A. TIDEMANSON
Director of Public Works

By Blair Burgess
Waste Management Division

cc: Mr. Ronald Shadman

SI103 Rev. 3/88

COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS

900 SOUTH FREMONT AVENUE
ALHAMBRA, CALIFORNIA 91803-1331
Telephone: (818) 458-5100

THOMAS A. TIDEMANSON, Director

ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 1460
ALHAMBRA, CALIFORNIA 91802-1460

June 24, 1988

IN REPLY PLEASE
REFER TO FILE: *I-5385-22*

Mr. Robert Swigart
Air Products and Chemicals, Inc.
P.O. Box 538
Allentown, Pa 18105

Dear Mr. Swigart

HAZARDOUS MATERIALS UNDERGROUND STORAGE
SITE INVESTIGATION REPORT
FACILITY AT: *23320 S. ALAMEDA STREET, CARSON*

This office reviewed the site investigation report submitted for the above facility. The report is not approved because of the reasons checked below:

[ ] The exact extent of contamination has not been defined. _____

[X] The proposed remedial action is inadequate. *The recommendations as stated in the report from International Technology Corp. should be better adhered.*

[ ] There is significant contamination at this site. Pursuant to Section 25297(b) of the California Health and Safety Code, we are referring the matter to the State Regional Water Quality Control Board. For further information regarding the Board's requirements, please contact Mr. Joshua Workman at 107 S. Broadway, Room 4027, Los Angeles, CA 90012, (213) 620-5662. All future correspondence shall be directed to the Board with a copy sent to this office.

[X] Other *A groundwater sample must be obtained and analyzed for TPH (EPA 8015) and B.T.X.E. (EPA 602).*

Make the required corrections as indicated above and submit a revised report to this office by August 26,1988.

If you have any questions concerning this matter, please contact *Mr. Blair Burgess* at (818) 458-*3507*.

Very truly yours,

T. A. TIDEMANSON
Director of Public Works

By _____
Waste Management Division

cc: *I.T. CORP., AIR PRODUCTS MFG. CORP.*

SI102 Rev. 3/88

B/4

Air Products and Chemicals, Inc.
Box 538
Allentown, PA 18105
Telephone (215) 481-4911

AIR PRODUCTS

850.16

6 July 1988

Department of Public Works
Cashier Section - Room 212
P.O. Box 4089, Terminal Annex
Los Angeles, Ca 90051

Re: Permit #3293 HMUSP
Air Products and Chemicals, Inc.
23320 S. Alameda Street
Carson, CA 90810

Dear Sir/Madam:

Please adjust our account for the above referenced facility according to closure permit 3036B. The attached letter documents the County file regarding these tank closures.

If you have any questions please contact me at 215/481-8867.

Sincerely,

Air Products and Chemicals, Inc.

Robert Swigart

R. J. Swigart
Operations Environmental Engineering

RJS/sah
5759E
attach.

cc: M. J. Sauers

MR R. Swigart
(215) 481-4911

8/4/87

wastes

Air Products and Chemicals, Inc.
Box 538
Allentown, PA 18105
Telephone (215) 481-4911

AIR PRODUCTS

20 July 1988

810.25.1

804138

County of Los Angeles
Department of Public Works
Hazardous Materials Underground Storage
P.O. Box 1460
Alhambra, CA 91802-1460

Attention: Blair Burgess

RECEIVED
JUL 20 1988
DEPARTMENT OF PUBLIC WORKS
WASTE MANAGEMENT DIVISION

RE: File I-5385-22
Revised Report/Remedial Action Plan
Air Products and Chemicals, Inc.
23320 S. Alameda Street
Carson, California

Dear Blair:

As mentioned in my 19 April 1988 correspondence, Air Products will employ an environmental consulting firm for the diesel contaminated soil remediation at our above referenced facility. Our selection will be made from one of the three firms I mentioned in our 19 July phone conversation.

As you requested, we will excavate to the extent that Benzene levels approach zero and total petroleum hydrocarbon (TPH) levels reach 100 - 300 ppm. Direct observation through excavating and sampling will best allow us to determine the extent of the clean-up required and whether additional analyses are warranted. We will then bio-treat the contaminated soil on-site to achieve less than 100 ppm TPH. More detailed information concerning the plan for bio-treatment will be provided to you when our contractor formulates a treatment program. Prior to excavation a health and safety plan will be submitted to you for approval before work begins.

We will forward our selected contractor's remedial plan as soon as possible. We would like to begin excavating by 6 September 1988. If you have any questions, please contact me at (215) 481-8867 or Gerard P. Thompson at (215) 481-5154.

Sincerely,

Air Products and Chemicals, Inc.

Robert Swigart

Robert J. Swigart
Environmental Analyst

RJS/tms/7381K

Waste

901158

8604.3

South Coast
AIR QUALITY MANAGEMENT DISTRICT
9150 FLAIR DRIVE, EL MONTE, CA 91731 (818) 572-6200

February 24, 1989

Mr. Miguel Ortega
Ecova, Corporate Office
3820 159th Avenue NE
Redmond, WA 98052

5385

RECEIVED
MAR 08 1989
DEPARTMENT OF PUBLIC WORKS
WASTE MANAGEMENT DIVISION

Dear Mr. Ortega:

Reference is made to your letter dated February 1, 1989, and work plan regarding the applicability of District Rule 1166 to your proposed "Solid-Phase Bioremediation of Contaminated Soil" at the Air Products Chemicals site located at 233020 S. Alameda Street in Carson, California.

Based on the information provided in your letter, only diesel fuel has contaminated the soil. According to District Rule 1166 (copy attached), if the initial boiling point of the organics in the soil is greater than 302 degrees Fahrenheit and the VOC readings above the soil are expected to be below 50 ppm, then the project is exempt from the Rule requirements under section (d)(1)(B). However, if VOC readings are detected above the soil during soil handling at 50 ppm or above, you should have verification from a laboratory that the organics in the soil have a boiling point above 302 degrees Fahrenheit in order to qualify for the exemption under section (d)(1)(B).

Furthermore, for your information, a permit is required by District Rule 201 (copy attached) for treatment of soil with any type of equipment which enhances volatilization (such as a vapor extraction system) and/or emits/controls emissions. The proposed bioremediation treatment method for treatment of soil contaminated with high boiling point organics which meets the exemption described above does not require a Permit to Construct and Operate. Please be advised however, that appropriate mitigation measures should be implemented during soil handling and bioremediation to prevent violations of District Rules 402 (Nuisance) and 403 (Fugitive Dust) (copies attached).

If you have any questions, please call Mrs. Stacey Ebiner at (818) 572-6318.

Very truly yours,

William J. Dennison
Director of Engineering

Mohsen Nazemi, P.E.
Supervising A.Q. Engineer

SMKE

Attachments

cc: Mr. John Huff
County of Los Angeles
Department of Public Works
Waste Management Division
P.O. Box 1460
Alhambra, CA 91802-1460

waste

ECOVA

860.4.3

901291

RECEIVED
MAR 1 7 1989
DEPARTMENT OF PUBLIC WORKS
WASTE MANAGEMENT DIVISION

February 27, 1989

Mr. John Huff
County of Los Angeles
Department of Public Works
Waste Management Division
P.O. Box 1460
Alhambra, California 91802-1460

5385

Dear Mr. Huff:

On Friday, February 24, 1989, I received notice from Ms. Stacy Ebiner of the South Coast Air Quality Management District (SCAQMD) informing me that the soil bioremediation project we proposed to execute at the Air Products Chemicals, Inc. plant, located at 233020 South Alameda Street, Carson, California, is exempt from the provisions of the SCAQMD Rule 1166.

We will mobilize equipment on March 8, 1989 and begin excavation operations on March 9, 1989. We will send your office a copy of the Baseline and Process Monitoring Report during the latter part of June, 1989 with the Clearance Data Report (Final Report) to follow in September, 1989.

Thank you,

Miguel A. Ortega
Project Manager

cc: R.J. Swigart-APCI
E.L. Bannister-APCI

Corporate Office
3820 159th Avenue NE
Redmond, WA 98052
(206) 883-1900
(206) 867-2210 FAX

Gulf Coast Region
12790 Merit Drive #220
Lock Box 145
Dallas, TX 75251
(214) 404-7540
(214) 404-7545 FAX

Eastern Region
500 Fifth Avenue
Suite 935
New York, NY 10110
(212) 840-1042
(212) 840-1663 FAX

38-0004 DPW 8/87

LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS
WASTE MANAGEMENT DIVISION

BILLING ADJUSTMENT

FN 5385 PN 3293 DR No.

BILLING

	Increase	Batch ID No.	Decrease	Batch ID No.
CO				
SS				

	Increase	Batch ID No.	Decrease	Batch ID No.
CO	68	601		
SS				

Trust Increase Batch ID No.

Trust Decrease Batch ID No. DR No.

Comment pd., no DR# per Carl

FN PN DR No.

BILLING

	Increase	Batch ID No.	Decrease	Batch ID No.
CO				
SS				

	Increase	Batch ID No.	Decrease	Batch ID No.
CO				
SS				

Trust Increase Batch ID No.

Trust Decrease Batch ID No. DR No.

Comment

BY Judy A Burrea Date 5-12-89

waste
$10.25

Air Products and Chemicals, Inc.
7201 Hamilton Boulevard
Allentown, PA 18195-1501
Telephone (215) 481-4911
Telex: 847416
Fax: (215) 481-5900

AIR PRODUCTS

RECEIVED
DEC 01 1989
DEPARTMENT OF PUBLIC WORKS
WASTE MANAGEMENT DIVISION

20 November 1989

Department of Public Works
Waste Management Division
P.O. Box 1460
Alhambra, CA 91802-1460

Re: Underground Storage Tank Update
Permit #3293
Air Products Manufacturing Corp.
23320 S. Alameda Street
Carson, CA

Dear Sir/Madam:

Enclosed please find the completed underground storage tank (UST) update forms for our above referenced facility. This plant was shutdown in March of 1986. Tank #28.70 was emptied and washed in July-August 1986 and has not been in use since. This tank had been used to store a 10% sodium hydroxide/90% water solution.

In August 1987 four other UST's were removed at this facility. The fifth tank #28.70 could not be removed because it is covered by a concrete equipment pad in a section of the plant where there are overhead pipe rack supports. This section would have to be demolished before tank #28.70 could be removed. We, therefore, would like to complete the requirements for permanent closure of this tank in place.

During investigations related to the removal of the other UST's, we were able to cut through the concrete pad near tank #28.70 and take a soil boring. This soil boring was analyzed for pH at 5 foot intervals down to 30 feet. The pH ranged from 7.6 to 8.3 standard units and would indicate that this caustic tank (10% NaOH/90% water) had never leaked. In addition an impervious concrete pad covers the tank, and the surrounding area, thus preventing any infiltration of surface water. The depth to groundwater at this site is 65 feet.

Given the above, please verify that this tank has met the requirements of permanent closure in place, or that it must still be filled with an inert material. If you have any questions, please call me at (215) 481-8867.

Sincerely,

Air Products and Chemicals, Inc.

Robert Swigart

Robert J. Swigart
Environmental Coordinator

RJS/mmj/9467K
Enclosures 3

COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS

900 SOUTH FREMONT AVENUE
ALHAMBRA, CALIFORNIA 91803-1331
Telephone: (818) 458-5100

THOMAS A. TIDEMANSON, Director

ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 1460
ALHAMBRA, CALIFORNIA 91802-1460

11/09/89

AIR PRODUCTS MFG CORP
0 P .O BOX 538
ALLENTOWN PA 18105

005385 2 2

Dear Underground Tank Owner/Operator:

FACILITY LOCATION: 23320 S ALAMEDA ST
PERMIT NUMBER: 00003293 NUMBER OF TANKS: 1

The recent enactment of Federal regulations for the control and monitoring of underground storage tanks (USTs) has made it necessary for local agencies and the State Water Resources Control Board to update information on file about the USTs at your facility and the ownership of these tanks. The State has developed the enclosed Form "A" (Site) and Form "B" (Tank) to record the required information.

The enclosed forms have been preprinted with information presently on file for the subject location. Please correct any erroneous data and complete the remaining information as described on the enclosed instructions. One Form "A" is required for each location where USTs exist and one Form "B" is required for EACH TANK at that location.

The completed forms must be submitted 30 days from date of this letter to:

DEPARTMENT OF PUBLIC WORKS
WASTE MANAGEMENT DIVISION
P.O. BOX 1460
ALHAMBRA, CA 91802-1460

This submittal is mandatory to maintain your UST permit

There is no fee required for this submittal. However, if there are USTs at this location that were not previously registered, you will be liable for additional permit and State surcharge fees. If some or all of the USTs shown for this location have been closed, so indicate on Form "B" and include the Closure Permit number on your submittal. Please note that USTs permitted for closure will remain on the record until ALL required post-closure information has been submitted and approved.

Your cooperation will greatly assist State and local compliance with UST regulations. Please contact the Waste Management Division, UST Unit, at (818) 458-3517 if you have any questions or need additional forms.

Very truly yours:

T. A. TIDEMANSON
Director of Public Works

PERMIT APPLICATION SUPPLEMENT/NOTICE TO FILE
HAZARDOUS MATERIALS UNDERGROUND STORAGE PERMIT
Los Angeles County Department of Public Works
Waste Management Division
900 South Fremont Avenue
Alhambra, CA 91803-1331

DUE DATE: _____

DPW USE ONLY
FILE # 2389-22
PERMIT # 3293
R/C CODE 22
SIC CODE _____
STATE ID # _____
TGP _____ TGC _____

THIS FORM MUST ACCOMPANY ALL TANK PERMIT APPLICATIONS TO OPERATE UNDERGROUND STORAGE TANKS
See instructions on back of this form

IF THERE ARE NO UNDERGROUND TANKS AT THIS FACILITY, GO TO PARTS F & G.

(A)

Air Products MFG
FACILITY NAME
7201 Hamilton BLVD
MAILING ADDRESS
Allentown PA 18195-1501
CITY STATE ZIP
23320 S. Alameda St
FACILITY LOCATION

(B) APPLICATION IS HEREBY MADE FOR A HAZARDOUS MATERIAL UNDERGROUND STORAGE PERMIT (***HMUSP***) TO OPERATE AND MAINTAIN UNDERGROUND STORAGE TANKS WITHIN LOS ANGELES COUNTY JURISDICTION.
NEW PERMIT ☐ **EXISTING PERMIT RENEWAL** ☐

EXISTING PERMIT NUMBER 1
NUMBER OF TANKS AT FACILITY _____

(C) ASSESSOR PARCEL IDENTIFICATION (OBTAIN FROM PROPERTY TAX BILL):

MAP BOOK NUMBER _____ PAGE NUMBER _____ PARCEL NUMBER _____

(D) THIS SUPPLEMENT MUST BE ACCOMPANIED BY:

[1] ONE COPY OF STATE FORM **"A"**, FACILITY/SITE INFORMATION, FOR EACH SITE.
[2] ONE COPY OF STATE FORM **"B"**, TANK PERMIT APPLICATION INFORMATION, FOR EACH TANK.
[3] LEAK DETECTION PROGRAM (***LDP***) AND TANK MONITORING PROGRAM (***TMP***) PROPOSALS.
[4] HMUSP APPLICATION FEE (COMPLETE PART E)

(E) HAZARDOUS MATERIALS UNDERGROUND STORAGE PERMIT (HMUSP) FEE SCHEDULE:

THE HMUSP APPLICATION FEE SHALL BE THE FIRST ANNUAL PERMIT MAINTENANCE FEE.
CIRCLE AMOUNT REMITTED

NUMBER OF TANKS:	HMUSP (APPLICATION FEE)		ANNUAL PERMIT MAINTENANCE FEE		STATE SURCHARGE		TOTAL FEES DUE
1	$171	+	$119	+	$ 56	=	$346
2	$201	+	$139	+	$112	=	$452
3	$231	+	$159	+	$168	=	$558
4	$261	+	$179	+	$224	=	$664
5	$291	+	$199	+	$280	=	$770
6 or more tanks	$141 + $30 per tank	+	$99 + $20 per tank	+	$56 per tank	=	_____

MAKE CHECKS PAYABLE TO: ***"L. A. COUNTY DEPARTMENT OF PUBLIC WORKS"***

(F) FACILITIES CLAIMING AN EXEMPTION TO REGULATION MUST COMPLETE THIS SECTION:

☐ THERE ARE NO UNDERGROUND STORAGE TANKS WITHIN THIS FACILITY.
☐ FINAL INTERCEPTOR(S) REGULATED UNDER INDUSTRIAL WASTE PERMIT No. _____.
☐ UNDERGROUND CONTAINERS WITHIN THIS FACILITY ARE USED ONLY FOR EMERGENCY SPILL CONTAINMENT FOR ABOVE GROUND STORAGE TANKS.
☐ OTHER (ATTACH A WRITTEN STATEMENT)

(G) ALL PERSONS FILING THIS FORM MUST COMPLETE THIS SECTION:

SIGNATURE _____ TITLE _____

PRINTED NAME _____ DATE _____

INSTRUCTIONS:

HAZARDOUS MATERIALS UNDERGROUND STORAGE PERMIT (***HMUSP***)
APPLICATION SUPPLEMENT

DO NOT USE THIS FORM FOR CLOSURE OR TRANSFER OF AN EXISTING *HMUSP*, A NEW CONSTRUCTION PLAN CHECK, OR AN ADDITIONAL APPROVAL.

(A) Facility name, mailing address and facility address on new permit applications must correspond with information on Part I of the State Form **"A"**, Facility/Site Information. Please correct mailing label information if affixed.

(B) This application supplement is to be used for application to operate and maintain existing tanks located within the jurisdiction of the Department of Public Works. Facilities located within the corporate limits of the cities of Burbank, Glendale, Long Beach, Los Angeles, Pasadena, San Fernando, Santa Monica, Torrance and Vernon should contact the respective local agencies directly for permit information. Permit renewal is authorized only if no ownership change has occurred. Specify the number of tanks at the facility.

(C) Assessor parcel identification is required for new permit applications only.

(D) The applicant is responsible for completing ***all*** information requested on State Forms **"A"** and **"B"**. The Department of Public Works Underground Tank Inspector will not fill out these forms for you. This application is due by the date indicated. If you are unable to submit your ***LDP/TMP*** by the due date, a Provisional ***HMUSP*** will be issued granting up to 90 days to complete your submittal. Evidence of safe storage must be submitted with this application to qualify for a provisional ***HMUSP***.

(E) The total fees to accompany this application represent the ***HMUSP*** application fee, the first annual ***HMUSP*** maintenance fee plus the State surcharge. Future annual ***HMUSP maintenance fees*** will be payable upon billing by the Department of Public Works.

(F) Persons that have been notified to file for a ***HMUSP*** and do not store any hazardous materials underground should check the appropriate box and return this form to avoid any unnecessary follow-up mailings.

The storage of hazardous waste in an underground tank where the specific tank is named in hazardous waste facility permit issued by the California Department of Health Services is not subject to the ***HMUSP*** requirements. Owners of such facilities must furnish a copy of the State permit for facilities where this exclusion is requested.

<u>Final</u> interceptors in industrial waste pretreatment systems, catch basins, refinery pipelines, lagoons, storm drains, oil field gathering lines, well cellars, above ground storage tank spill containment, unlined pits or sumps, and piping not directly associated with a permitted facility are not subject to a ***HMUSP***. *Claims for exemption are subject to verification.*

(G) This ***HMUSP*** application supplement and each State **"A"** or **"B"** must be signed by:

1) A principal executive officer at the level of vice-president or by an authorized representative. The representative must be responsible for the overall operation of the facility where the tank(s) are located.
2) A general partner proprietor.
3) A principal executive officer, ranking elected official or authorized representative of a public agency.

LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS

Waste Management Division

FORM 'A':
SITE

UNDERGROUND STORAGE TANK PROGRAM

FACILITY/SITE INFORMATION

COMPLETE THIS FORM FOR EACH FACILITY/SITE

MARK ONLY ONE ITEM
☐ 1 NEW PERMIT ☐ 2 INTERIM PERMIT ☐ 3 RENEWAL PERMIT ☐ 4 AMENDED PERMIT ☒ 5 CHANGE OF INFORMATION ☐ 6 TEMPORARY SITE CLOSURE ☐ 7 PERMANENTLY CLOSED SITE

I. FACILITY/SITE INFORMATION & ADDRESS — (MUST BE COMPLETED)

FACILITY/SITE NAME: AIR PRODUCTS MFG CORP	CARE OF ADDRESS INFORMATION: APMC, 2021 E. Rosecrans Ave., El Segundo
ADDRESS: 23320 S ALAMEDA ST	NEAREST CROSS STREET: Sepulveda; ☑ Box to indicate ☒ CORPORATION ☐ INDIVIDUAL ☐ PARTNERSHIP ☐ LOCAL-AGENCY ☐ COUNTY-AGENCY ☐ STATE-AGENCY ☐ FEDERAL-AGENCY
CITY NAME: CARSON	STATE: CA; ZIP CODE: 90810; SITE PHONE #, WITH AREA CODE: 213-518-0430
TYPE OF BUSINESS: ☐ 1 GAS STATION ☐ 2 DISTRIBUTOR ☐ 3 FARM ☐ 4 PROCESSOR ☒ 5 OTHER; ☑ Box if INDIAN RESERVATION or TRUST LANDS ☐	EPA ID #: CAT080010655; # of TANK's AT THIS SITE: 1
EMERGENCY CONTACT PERSON (PRIMARY)	**EMERGENCY CONTACT PERSON (SECONDARY)**
DAYS: NAME (LAST, FIRST): Mangas, John; PHONE # WITH AREA CODE: 213-643-8691	DAYS: NAME (LAST, FIRST): O'Connell, Dan; PHONE # WITH AREA CODE: 213-518-0430
NIGHTS: NAME (LAST, FIRST): Mangas, John; PHONE # WITH AREA CODE: 714-962-3655	NIGHTS: NAME (LAST, FIRST): O'Connell, Dan; PHONE # WITH AREA CODE: 714-840-8337

II. PROPERTY OWNER INFORMATION & ADDRESS — (MUST BE COMPLETED)

NAME: Air Products and Chemicals, Inc.	CARE OF ADDRESS INFORMATION		
MAILING or STREET ADDRESS: 7201 Hamilton Boulevard	☑ Box to indicate ☒ CORPORATION ☐ INDIVIDUAL ☐ PARTNERSHIP ☐ LOCAL-AGENCY ☐ COUNTY-AGENCY ☐ STATE-AGENCY ☐ FEDERAL-AGENCY		
CITY NAME: Allentown, PA	STATE: PA	ZIP CODE: 18195-1501	PHONE #, WITH AREA CODE: 215-481-8867

III. TANK OWNER INFORMATION & ADDRESS — (MUST BE COMPLETED)

NAME: Air Products and Chemicals, Inc.	CARE OF ADDRESS INFORMATION		
MAILING or STREET ADDRESS: 7201 Hamilton Boulevard	☑ Box to indicate ☒ CORPORATION ☐ INDIVIDUAL ☐ PARTNERSHIP ☐ LOCAL-AGENCY ☐ COUNTY-AGENCY ☐ STATE-AGENCY ☐ FEDERAL-AGENCY		
CITY NAME: ALLENTOWN	STATE: PA	ZIP CODE: 18195-1501	PHONE #, WITH AREA CODE: 215-481-8867

IV. LEGAL NOTIFICATION AND BILLING ADDRESS

CHECK ONE (1) BOX INDICATING WHICH ABOVE ADDRESS SHOULD BE USED FOR BOTH LEGAL NOTIFICATION AND BILLING: I. ☐ II. ☐ III. ☒

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT.

APPLICANT'S NAME (PRINTED & SIGNATURE)	DATE
Robert J. Swigart — Robert Swigart	20 NOV 89

LOCAL AGENCY USE ONLY

COUNTY #	JURISDICTION #	AGENCY #	FILE #	# of TANKS at SITE
19	000	001	005385	

CURRENT LOCAL AGENCY FACILITY ID #: 00000003098	APPROVED BY NAME	PHONE # WITH AREA CODE
PERMIT NUMBER: 00003293	PERMIT APPROVAL DATE: 05/05/86	PERMIT EXPIRATION DATE
LOCATION CODE: 22	CENSUS TRACT #	SUPERVISOR-DISTRICT CODE
BUSINESS PLAN FILED: YES ☐ NO ☐	DATE FILED	
CHECK #	PERMIT AMOUNT	SURCHARGE AMOUNT
FEE CODE	RECEIPT #	BY:

38-0023 DPW 9/89

WM018 rev. 10/18/89

LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS
Waste Management Division

FORM 'A':
SITE

UNDERGROUND STORAGE TANK PROGRAM
FACILITY/SITE, INFORMATION

INSTRUCTIONS FOR COMPLETING THIS FORM

GENERAL INSTRUCTIONS:

1. One FORM "A" shall be completed for all **NEW PERMITS, PERMIT CHANGES** or any **FACILITY/SITE INFORMATION CHANGES.**
2. **SUBMIT ONLY ONE (1) FORM "A"** for a Facility/Site, regardless of the number of tanks located at the site.
3. This form should be completed by either the **PERMIT APPLICANT.**
4. Please type or print clearly all requested information.
5. Use a hard point writing instrument, you are making 3 copies.

TOP OF FORM: "MARK ONLY ONE ITEM"

1. Mark an (X) in the box next to the item that best describes the reason the form is being completed.

I. FACILITY/SITE INFORMATION & ADDRESS - (MUST BE COMPLETED)

1. Record name and address (physical location) of the underground tank(s).
   NOTE: Address MUST have a valid physical location including city, state, and zip code.
   P.O. BOX NUMBERS ARE NOT ACCEPTABLE.
   Include nearest cross street and care of address information if appropriate.
2. Check the appropriate box for TYPE OF BUSINESS.
3. Check the appropriate box for TYPE OF BUSINESS OWNERSHIP.(ex. CORPORATION, INDIVIDUAL, etc.)
4. If Facitity/Site is located on land within an indian reservation or other indian trust lands, check the box marked "YES".
5. Phone number must have an area code. If the night number is the same, write "SAME" in proper location.
6. Record the E.P.A. ID # or write "NONE" in the space provided.
7. Indicate the NUMBER of TANKS at this SITE.

II. PROPERTY OWNER INFORMATION & ADDRESS - (MUST BE COMPLETED)

1. Complete all items in this section, unless all items are the same as SECTION 1; If the same, write **"SAME AS SITE"** across this section. Be sure to check PROPERTY OWNERSHIP TYPE box.

III. TANK OWNER INFORMATION & ADDRESS - (MUST BE COMPLETED)

1. Complete all items in this section, unless all items are the same as SECTION I; If the same, write **"SAME AS SITE"** across this section. Be sure to check TANK OWNERSHIP TYPE box.

IV. LEGAL NOTIFICATION AND BILLING ADDRESS

1. Check **ONE BOX** for the address that will be used for **BOTH LEGAL and BILLING NOTIFICATIONS.**

Applicant must sign and date form as indicated.

IT IS THE RESPONSIBLITY OF THE LOCAL AGENCY THAT INSPECTS THE FACILITY/SITE TO VERIFY THE ACCURACY OF THE INFORMATION. THE LOCAL AGENCY IS RESPONSIBLE FOR THE COMPLETION OF THE "LOCAL AGENCY USE ONLY" INFORMATION BOX AND FOR FORWARDING ONE FORM "A" AND ASSOCIATED FORM "B"(s) TO THE FOLLOWING ADDRESS:

DEPARTMENT OF PUBLIC WORKS
WASTE MANAGEMENT DIVISION
P.O. BOX 1460
ALHAMBRA, CA 91802-1460

LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS
Waste Management Divisic
UNDERGROUND STORAGE TANK PROGRAM
FACILITY/SITE INFORMATION
COMPLETE THIS FORM FOR EACH FACILITY/SITE

FORM 'B':
TANK

MARK ONLY ONE ITEM							
	☐ 1 NEW PERMIT	☐ 3 RENEWAL PERMIT	☒ 5 CHANGE OF INFORMATION	☐ 7 PERMANENTLY CLOSED TANK
	☐ 2 INTERIM PERMIT	☐ 4 AMENDED PERMIT	☐ 6 TEMPORARY TANK CLOSURE	☐ 8 TANK REMOVED

FACILITY/SITE NAME WHERE TANK IS INSTALLED: FARM TANK - YES ☐ NO ☒

I. TANK DESCRIPTION COMPLETE ALL ITEMS - IF UNKNOWN — SO SPECIFY

A. OWNERS TANK ID # 28.70	B. MANUFACTURED BY: Unknown
C. YEAR INSTALLED 1962	D. TANK CAPACITY IN GALLONS: 6,000

II. TANK CONTENTS IF (A.1), IS MARKED, COMPLETE ITEM C. IF (A.1), IS NOT MARKED, COMPLETE ITEM D.

A.	B.	C.
☐ 1 MOTOR VEHICLE FUEL ☐ 2 PETROLEUM	☐ 1 PRODUCT	☐ 1 UNLEADED ☐ 2 LEADED ☐ 3 DIESEL
☐ 3 CHEMICAL PRODUCT ☐ 4 OIL	☐ 2 WASTE	☐ 4 GASAHOL ☐ 5 JET FUEL ☐ 6 AVIATION GAS
☐ 5 HAZARDOUS ☒ 80 EMPTY ☐ 95 UNKNOWN		☐ 7 METHANOL ☐ 99 OTHER (DESCRIBE IN ITEM D, BELOW)

D. IF NOT MOTOR VEHICLE FUEL, ENTER NAME OF HAZARDOUS SUBSTANCE STORED & C.A.S. # 10%. WASTE NaOH Solution C.A.S. #:

III. TANK CONSTRUCTION MARK ONE ITEM ONLY IN BOX A, B, C, & D

A. TYPE OF SYSTEM	☐ 1 DOUBLE WALLED	☐ 3 SINGLE WALLED WITH EXTERIOR LINER	☐ 95 UNKNOWN	
	☒ 2 SINGLE WALLED	☐ 4 SECONDARY CONTAINMENT	☐ 99 OTHER	
B. TANK MATERIAL	☒ 1 STEEL/IRON	☐ 2 STAINLESS STEEL	☐ 3 FIBERGLASS	☐ 4 STEEL CLAD W/FIBERGLASS REINFORCED PLASTIC
	☐ 5 CONCRETE	☐ 6 POLYVINYL CHLORIDE	☐ 7 ALUMINUM	☐ 8 100% METHANOL COMPATIBLE FRP
	☐ 9 BRONZE	☐ 10 GALVANIZED STEEL	☐ 95 UNKNOWN	☐ 99 OTHER
C. INTERIOR LINING	☐ 1 RUBBER LINED	☐ 2 ALKYD LINING	☐ 3 EPOXY LINING	☐ 4 PHENOLIC LINING
	☐ 5 GLASS LINING	☒ 6 UNLINED		☐ 95 UNKNOWN
	☐ IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL?		☐ YES ☐ NO	☐ 99 OTHER
D. CORROSION PROTECTION	☐ 1 POLYETHLENE WRAP	☐ 2 TAR OR ASPHALT	☐ 3 VINYL WRAP	☐ 4 FIBERGLASS REINFORCED PLASTIC
	☐ 5 CATHODIC PROTECTION	☐ 91 NONE	☒ 95 UNKNOWN	☐ 99 OTHER

IV. PIPING INFORMATION CIRCLE A IF ABOVE GROUND, U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE	A U 1 SUCTION	A U 2 PRESSURE	A (U) 3 GRAVITY	A U 91 NONE	A U 95 UNKNOWN A U 99 OTHER
B. CONSTRUCTION	A (U) 1 SINGLE WALLED	A U 2 DOUBLE WALLED	A U 3 LINED TRENCH	A U 91 NONE	A U 95 UNKNOWN A U 99 OTHER
C. MATERIAL	A (U) 1 STEEL/IRON	A U 2 STAINLESS STEEL	A U 3 POLYVINYL CHLORIDE (PVC)	A U 4 FIBERGLASS PIPE	A U 91 NONE
	A U 5 ALUMINUM	A U 6 CONCRETE	A U 7 STEEL CLAD W/FRP	A U 8 100% METHANOL COMPATIBLE FRP	
	A U 9 GALVANIZED STEEL	A U 95 UNKNOWN	A U 99 OTHER		

V. LEAK DETECTION SYSTEM CIRCLE P FOR PRIMARY, OR S FOR SECONDARY, A PRIMARY LEAK DETECTION SYSTEM MUST BE CIRCLED.

P S 1 VISUAL CHECK	(P) S 2 INVENTORY RECONCILIATION	P S 3 VADOSE WELLS	P S 4 ELECTRONIC MONITOR	P S 5 GROUND WATER MONITORING WELLS
P S 6 PRECISION TESTING	P S 7 PRESSURE TESTING	P (S) 91 NONE	P S 95 UNKNOWN	P S 99 OTHER

VI. INFORMATION ON TANK PERMANENTLY CLOSED IN PLACE

1. ESTIMATED DATE LAST USED (MO/YR)	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING IN	3. WAS TANK FILLED WITH INERT MATERIAL?
July 1986	0 GALLONS	☐ YES ☒ NO

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT.

APPLICANT'S NAME (PRINTED & SIGNATURE)	DATE
ROBERT SWIGART Robert Swigart	20 NOV 89

LOCAL AGENCY USE ONLY

COUNTY #	JURISDICTION #	AGENCY #	FILE #	TANK ID #
19	000	001	005385	

CURRENT LOCAL AGENCY FACILITY ID #	APPROVED BY NAME	PHONE # WITH AREA CODE
00000003098 1		

PERMIT NUMBER	PERMIT APPROVAL DATE	PERMIT EXPIRATION DATE

CHECK #	PERMIT AMOUNT	SURCHARGE AMT.	FEE CODE	RECEIPT #	BY:

LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS
Waste Management Division

FORM 'B':
TANK

UNDERGROUND STORAGE TANK PROGRAM
TANK INFORMATION

INSTRUCTIONS FOR COMPLETING THIS FORM

GENERAL INSTRUCTIONS:

1. One FORM "B" shall be completed for each tank for all **NEW PERMITS, PERMIT CHANGES, TANK CLOSURES, TANK REMOVALS,** and/or any other **TANK INFORMATION CHANGE.**
2. This form should be completed by either the **PERMIT APPLICANT**
3. Please type or print clearly all requested information.
4. Use a hard point writing instrument, you are making 3 copies.

TOP OF FORM: "MARK ONLY ONE ITEM"

1. Mark an (X) in the box next to the item that best describes the reason the form is being completed.
2. Indicate the Facility/Site name where the tank is installed.
3. Is this tank a farm tank? Check 'YES' or 'NO'. A farm tank is a tank located on an agricultural farm which stores motor vehicle fuel used to propel farm vehicles.

I. TANK DESCRIPTION — COMPLETE ALL ITEMS - IF UNKNOWN - SO SPECIFY

A. Indicate owners tank ID # - If there is a tank number that is used by the owner to identify the tank.(ex. AB70789)
B. Indicate the name of the company that manufactured the tank. (ex. ACME TANK MFG.)
C. Indicate the year tank was installed. (ex. 1987)
D. Indicate the tank capacity in gallons. (ex. 25,000 or 10,000, etc.)

II TANK CONTENTS

A. 1. If MOTOR VEHICLE FUEL, check box 1 and complete items B & C.
   2. If not MOTOR VEHICLE FUEL, check the appropriate box in section A and complete items B & D.
B. Check the appropriate box.
C. Check the type of MOTOR VEHICLE FUEL. (if box 1 is checked in A)
D. Print the chemical name of the hazardous substance stored in the tank and the C.A.S. #. (Chemical Abstract Service number), if box 1 is NOT checked in A.

III. TANK CONSTRUCTION — MARK ONE ITEM ONLY IN BOX A, B, C & D

1. Check only one item in TYPE OF SYSTEM, TANK MATERIAL, INTERIOR LINING and CORROSION PROTECTION.
2. If OTHER, print in the space provided.

IV. PIPING INFORMATION

1. Circle **A** if above ground, or **U** if underground; circle both if applicable.
2. If UNKNOWN, circle or if OTHER, print in space provided.

V. LEAK DETECTION SYSTEM

1. Circle **P** for PRIMARY, or **S** for SECONDARY. A primary and/or secondary leak detection system **MUST** be circled.
2. If UNKNOWN, specify or if OTHER, print in space provided.
3. If there is no SECONDARY LEAK DETECTION SYSTEM, circle NONE.

VI. INFORMATION ON TANK PERMANENTLY CLOSED IN PLACE

1. ESTIMATED DATE LAST USED - MONTH/YEAR (January, 1988 or 01/88).
2. ESTIMATED QUANTITY of SUBSTANCE remaining in tank. (in Gallons)
3. WAS TANK FILLED WITH INERT MATERIAL? Check 'YES' or 'NO'.

Applicant must sign and date form as indicated.

IT IS THE RESPONSIBLITY OF THE LOCAL AGENCY THAT INSPECTS THE FACILITY/SITE TO VERIFY THE ACCURACY OF THE INFORMATION. THE LOCAL AGENCY IS RESPONSIBLE FOR THE COMPLETION OF THE "LOCAL AGENCY USE ONLY" INFORMATION BOX AND FOR FORWARDING ONE FORM "A" AND ASSOCIATED FORM "B"(s) TO THE FOLLOWING ADDRESS:

DEPARTMENT OF PUBLIC WORKS
WASTE MANAGEMENT DIVISION
P.O. BOX 1460
ALHAMBRA, CA 91802-1460

UPDATE FORM (UF)

FILE No.- 5385 HMUSP No.- 3293 AREA 22

REVIEW DATE: 9/9/92

REVIEWED BY: SSA

HMS INPUT BY: LC

DOCUMENT DATE (APP REC'D)	DOCUMENT/ APPLICATION LISTING USTs & UST DATA	COLUMN (1) USTs PERMITTED	COLUMN (2) UST ADDITIONS	COLUMN (3) USTs CLOSED	NET USTs (A)
5-5-86	3293	5			
7-29-87	3036B			4	
TOTALS				(A) =	1

>>>>>>>>>>> ACTIVE USTs DETERMINED FROM HMS (ACT TANK CT): (B) = 1

BH:UPDATE1

UST DATA/ADJUSTMENTS

UST NO.	UST SIZE	UST CONTENTS	UST CONSTRUCTION	KEY/ APP TYPE
001	6000	10% NAOH Solution	SW	Key
002				
003				
004				
005				
006				
007				
008				
009				
010				
011				
012				
013				
014				
015				
016				
017				
018				
019				
020				
021				
022				

COMMENTS:

E.P.A. #CAT080010655

APPLICATION FOR CLOSURE
HAZARDOUS MATERIALS UNDERGROUND STORAGE
COUNTY OF LOS ANGELES-DEPARTMENT OF PUBLIC WORKS
WASTE MANAGEMENT DIVISION
900 S. FREMONT AVENUE
ALHAMBRA, CALIFORNIA 91803-1331

Permit 41613 B
File 5385 R/C 22
Fee $ 215
Check [X] Cash [ ]

OWNER: Name AIR PRODUCTS MANUFACTURING CORP. Phone (310) 518-0430
Mailing Address 23320 S. ALAMEDA ST. City CARSON State CA Zip 90810

FACILITY:
Occupant Name AIR PRODUCTS MANUFACTURING CORP. Phone (310) 518-0430
Site Address 23320 S. ALAMEDA ST. City CARSON Zip 90810
Mailing Address 23320 S. ALAMEDA ST. City CARSON State CA Zip 90810
Contact Person CHARLES ROLPH Title MANAGER

CONTRACTOR [✓], complete below: OWNER/OPERATOR AS CONTRACTOR [ ]
Name MOINE BROS. Phone (310) 830-1570
State License No. 343468 Class C21; C61-D40

CLOSURE REQUESTED:
[✓] PERMANENT, TANK REMOVAL (See Conditions A and C Attached)
How many underground tanks will remain after this closure? -0-
[ ] PERMANENT, CLOSURE IN PLACE (See Conditions A and D Attached)
[ ] TEMPORARY (See Conditions A and B Attached)

TANK DESCRIPTION: PLOT PLAN ATTACHED [ ] EXISTING HMUSP NO. _____

Tank No.	Tank Mat'l	Age	Capacity	Materials Stored (Past/Present)
1	STEEL	UNKNOWN	6,000	CAUSTIC WATER

COMPLETE THE FOLLOWING:	YES	NO
Has an unauthorized release ever occurred at this site?	[ ]	[✓]
Have structural repairs ever been made to these tanks?	[ ]	[✓]
Will new underground tanks be installed after closure?	[ ]	[✓]
Will any wells, including monitoring wells, be abandoned?	[ ]	[✓]

NOTICE: CONTAMINATED TANKS AND RESIDUES THAT MAY BE LEFT IN TANKS TO BE CLOSE MAY BE A HAZARDOUS WASTE WHICH MUST BE TRANSPORTED AND DISPOSED OF PURSUANT TO CHAPTER 6.5, CALIFORNIA HEALTH & SAFETY CODE. FAILURE TO COMPLY MAY BE PROSECUTED AS A FELONY VIOLATION.

By signature below the applicant certifies that all statements and disclosures above are true and correct and that they have read and agree to abide by this permit and all conditions and limitations attached.

Applicant's Signature [signature] Date 10-8-92
(Print Name) CHARLES MOINE Phone (310) 830-1570
Owner [ ] Operator [ ] Contractor [✓]

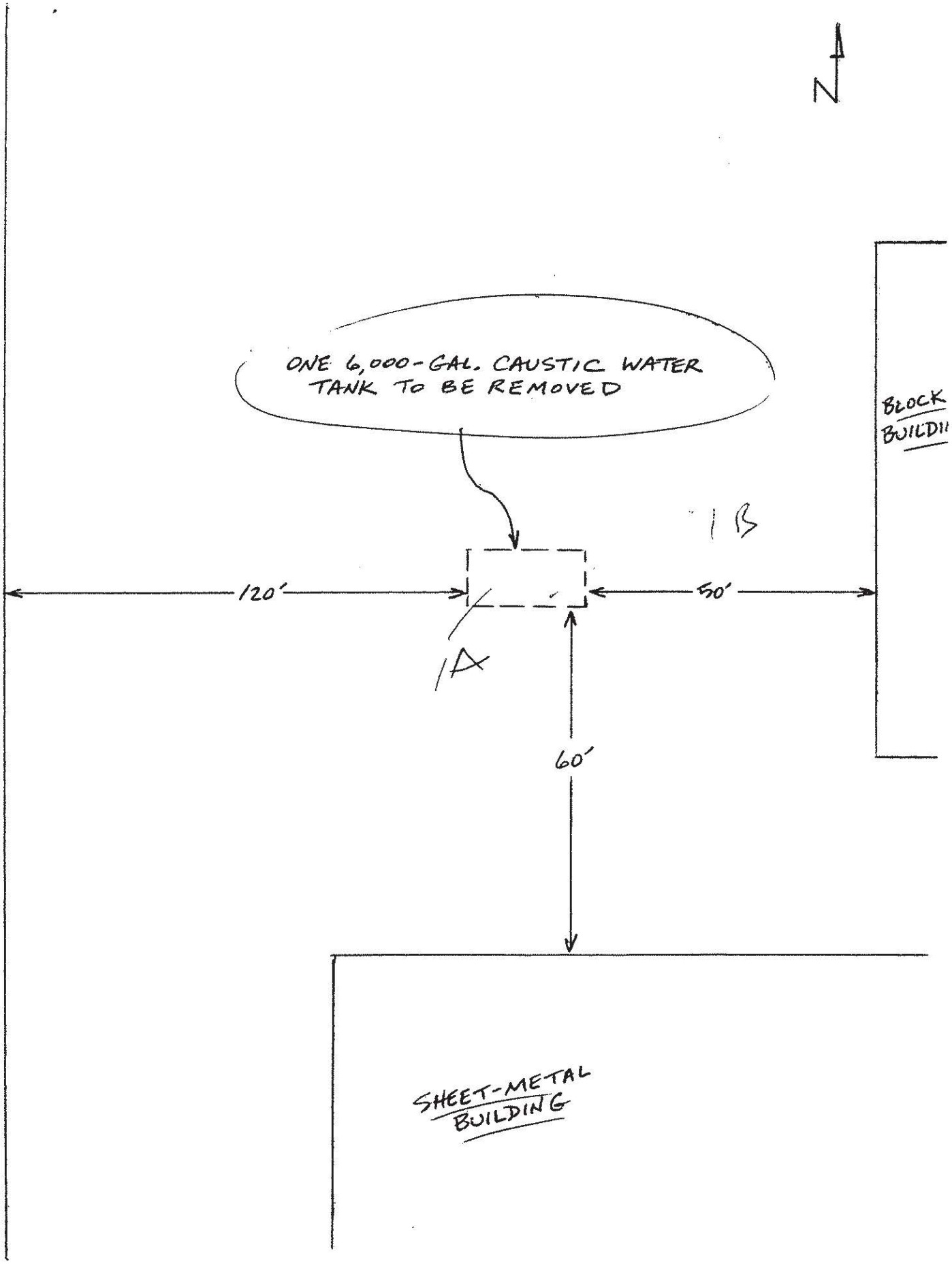
TO BE COMPLETED BY THE DEPARTMENT OF PUBLIC WORKS

PURSUANT TO SECTION 11.80.070B, LOS ANGELES COUNTY CODE, PERMISSION IS HEREBY GRANTED TO PROCEED WITH THE CLOSURE DESCRIBED ABOVE SUBJECT TO THE ATTACHED CONDITIONS AND LIMITATIONS [X]. THIS PERMIT EXPIRES 180 DAYS FROM THE DATE BELOW.

T.A. TIDEMANSON
Director of Public Works

By [signature] Date 10-19-92

AIR PRODUCTS
23320 S. ALAMEDA ST., CARSON 90745



CLOSURE PERMIT SUPPLEMENT
HAZARDOUS MATERIALS UNDERGROUND STORAGE
LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
WASTE MANAGEMENT DIVISION
900 S. FREMONT AVENUE
ALHAMBRA, CA 91803

Closure Permit
No.: 41613B
File No.
I- 5385-22

PART 1 OF 2

To satisfy the permanent closure requirements for underground storage tanks previously storing hazardous materials, site integrity must be demonstrated by the analysis of soil samples and, if applicable, groundwater samples as outlined below. These requirements are in addition to the conditions listed on the Application for Closure or contained in an approved Closure Plan.

1. Samples shall be obtained at the sampling points (SP) indicated on the attached plot plan.

2. For each SP, samples shall be obtained at the following depths:

SP	Depth(s)	Compounds	Analysis Method
1A, 1B	2-4FT BELOW	TPH, BTXE	418.1, 8020
	TANK INVERT	PH, Na	Appropriate EPA Meth
20FT INTERVAL	"	"	"
ALONG PRODUCT PIPING	"	"	418.1, 8020

dn4/FPERMIT Rev. 3/90

Cont'd on Page 2

3. All soil samples obtained shall be discrete, undisturbed and unexposed prior to analysis. The method used to obtain the samples and the date of sampling shall be included in the final report.

4. If groundwater is encountered during sampling, a groundwater monitoring well shall be established at the most downgradient sampling point. The well shall be developed by removing a minimum of four well volumes and a groundwater sample shall be obtained and analyzed.

5. The analytical results for all soil samples shall be expressed milligrams per kilogram (mg/kg), or micrograms per kilogram (ug/kg) as appropriate. Practical quantitation limits of 5-10 ug/kg (ppb) for volatile organics and 1 mg/kg (ppm) for the petroleum hydrocarbons must be achieved by the laboratory. Analytical results for groundwater samples shall be expressed in ug/l (ppb) and practical quantitation limits of .5-5 ug/l (ppb) for volatile organics, and 1 mg/l (ppm) for petroleum hydrocarbons must be achieved by the laboratory.

6. Analytical results shall be reported on laboratory letterhead and shall include the following information: a) The date the analysis was conducted; b) The method of extraction (if applicable); c) Detection limits for each analytical procedure and determiantion; d) The method of analysis; e) Signature of chemist certifying results.

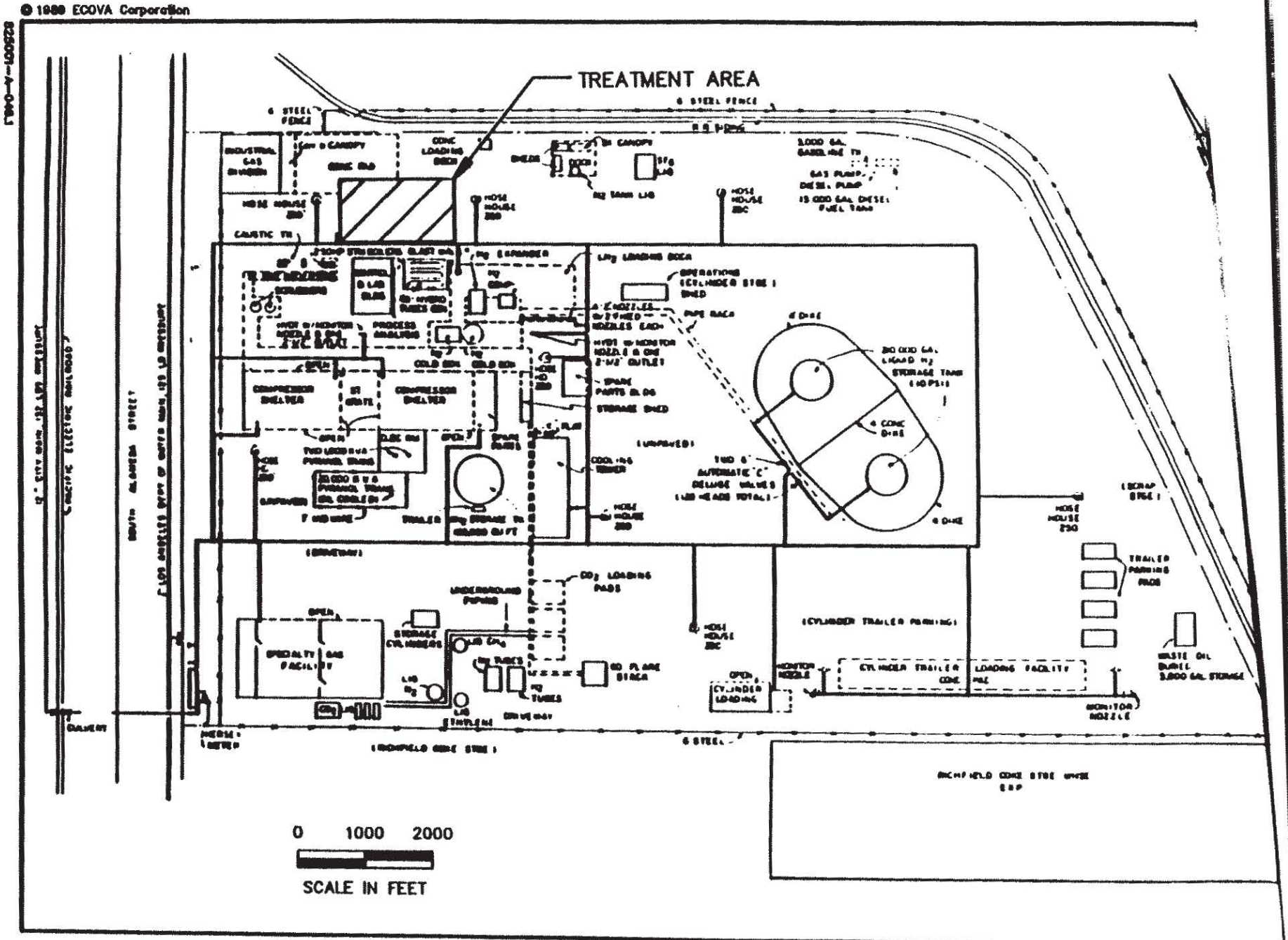
7. All soil/groundwater samples obtained shall be handled and transported to laboratory in strict accordance with applicable EPA regulations utilizing chain-of-custody procedures. Chain-of-custody documentation shall be included in the final report.

8. If the soil/groundwater analysis indicates undefined contamination at the facility, additional sampling shall be required to define the vertical and lateral extent present.

9. A final report that contains all of the above required information shall be submitted to the office above within one (1) month from the sampling date or 180 days from the date of this permit, whichever is earlier.

4907 ;

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CLOSURE -- UNDERGROUND STORAGE TANKS

CONDITIONS A -- GENERAL

1. Closures shall be carried out such that all applicable regulations from the following agencies are complied with: Los Angeles County, Department of County Engineer - Facilities; Los Angeles County Fire Department, Fire Prevention Division or the appropriate City Fire Department; South Coast Air Quality Management District; and Los Angeles County Department of Health Services.

2. The County Engineer and Fire Departments shall be notified in advance of any closure in accordance with the following:

   a. Removal of tank shall require a three (3) business day advance notification.

   b. Permanent closure of a tank in place or a temporary closure shall require a 30 day written notification.

3. Consult current fee schedule for costs.

4. All abandoned wells shall be destroyed in such a way that they will not produce water or act as a channel for interchange of water, when such interchange may result in deterioration of the quality of water in any or all water bearing formations penetrated, or present a hazard to the safety and well-being of people and animals.

5. A well destruction permit issued by the Los Angeles Department of Health Services shall be required for all wells requiring a permit for their initial construction.

6. Well destruction shall be accomplished according to methods described in the latest "Water Well Standards: State of California" by the Department of Water Resources, contained in Bulletin 74-81, December 1981, or any other methods that will provide equivalent or better protection.

7. Plans for the decontamination of a facility shall be submitted to the County Engineer for approval no later than 30 days before the commencement of such operations. Other agencies having jurisdiction shall also be notified. These agencies include the California Regional Water Quality Board, the Los Angeles County Department of Health Services, and the South Coast Air Quality Management District.

8. Decontamination shall require the following, as a minimum:

   a. Cleaning operation shall be done under the supervision of persons who understand the hazardous potential of the original liquid stored and its components.

   b. The personnel shall be sufficiently skilled to safely carry out such operation.

   c. Contaminated materials removed from such facility shall be disposed of at legal point of discharge.

   d. The operation shall be carried out in a manner that will not endanger the health of the public and the environment.

CONDITIONS B -- TEMPORARY

1. All temporary closures shall be carried out as indicated in Los Angeles County Fire Department, Fire Prevention Division, Supplement #A -- Inspection Guide #6, "Abandonment or Removal of Underground Tanks," Part A and any other applicable Parts.

2. A temporary closure shall not exceed 90 days.

CONDITIONS C -- PERMANENT TANK(S) REMOVAL

1. All tank removals shall be carried out as indicated in Los Angeles County Fire Department, Fire Prevention Division, Supplement #A -- Inspection Guide #6, Part D and any other applicable Parts.

2. Owners/operators shall notify the Building Department having jurisdiction at the place of removal if a grading permit is necessary.

3. Removed tanks shall not be transported away from the site until an inspection to establish site integrity is carried by the County Engineer.

4. If an appointment has been arranged with a County Engineer Inspector to inspect the removal of a tank, the inspector will only wait at the site a reasonable amount of time (approximately one hour) after arriving for the removal to commence. Another closure fee may be charged if the inspector has to return to the site.

5. After inspection, tanks shall be transported to a legal disposal point.

6. If the tank has stored materials other than motor fuel, fuel oil or waste oil, site integrity shall be demonstrated using the soil sampling and analysis procedures described in CONDITIONS D below.

7. The site shall be backfilled and recompacted to a relative compaction of 90%.

CONDITIONS D -- PERMANENT

1. All permanent closures of tanks in place shall comply with Los Angeles County Fire Department, Fire Prevention Division, Supplement #A -- Inspection Guide #6, Parts B or C, and any other applicable Parts.

2. Owners/operators shall demonstrate part site integrity as follows:

   a. Test borings shall be slant drilled to intercept a point beneath the center of the tank, if possible. If slant drilling is not feasible, the test borings may be drilled vertically and the reason stated in the report in 2.h. below.

   b. For single tanks, a minimum of two test borings will be required, each located on opposite sides of the tank along the major axis of the tank.

   c. For multiple tanks, as a minimum, borings shall be placed at 20 foot intervals around the tank cluster. The actual number and location of borings shall be evaluated on a case-by-case basis. Tanks separated by 20 feet or more shall be considered single tanks for the purposes of test location and placement.

   d. Soil samples shall be taken at depths of 5, 10, 20, 30 and 40 feet below grade level.

   e. A Shelby Tube or a Modified California Sampler shall be utilized for taking all soil samples.

   f. Soil samples shall be capped immediately with teflon or aluminum.

   g. Soil samples shall not be extruded in the field but are to be immediately placed in a refrigerated ice chest and transported to a state certified laboratory for analysis, using suitable methods.

   h. A report containing the results of the above analysis shall be submitted to the County Engineer.

3. If the soil analysis in 2. above indicates the presence of contaminants, the County Engineer shall require a site investigation as described in Chapter V of the County's "Underground Storage of Hazardous Materials -- Guidelines."

4. A report shall be submitted to the County Engineer containing the results of the site investigation.

NOTICE TO CLOSURE PERMIT APPLICANTS

The South Coast Air Quality Management District (SCAQMD) has adopted Rule 1166 regulating emissions of Volatile Organic Compounds (VOC) from decontamination of soil effective **August 6, 1988.**

In addition to the requirements of your Closure Permit, persons excavating any underground storage tank that previously contained VOC's must:

- Notify the SCAQMD Executive Officer by telephone at (714) 396-2000 24 hours prior to tank excavation. 1166(c)(1)(A)
- Monitor the excavated material during the excavation for VOC contamination. 1166(c)(1)(B)
- When VOC contamination is detected:
  * Cease excavation
  * Cover the contaminated soil until implementation of approved mitigation measures. 1166(c)(1)(C)
  * Notify the SCAQMD Executive Officer at (714) 396-2000 within 24 hours of detection of VOC contaminated soil. 1166(c)(2)(A)
- A person shall not engage in or allow any on-site or off-site spreading of VOC contaminated soil which results in uncontrolled evaporation of VOC to the atmosphere. 1166(c)(3)

Exemptions

- Treatment of less than one (1) cubic yard of contaminated soil. 1166(d)(1)(A)
- Decontamination of soil containing organic compounds that have initial boiling point of 302°F or greater, Reid Vapor Pressure less than 80mm Hg or Absolute Vapor Pressure less than 36mm Hg at 20°C. 1166(d)(1)(B),(F)
- Removal of soil for sampling purposes pursuant to EPA methods. 1166(d)(1)(C)
- Accidental spillage of five (5) gallons or less of VOC. 1166(d)(1)(D)
- Documentation of soil which is contaminated through natural seepage of VOC from oil and gas wells or other natural sources. 1166(d)(1)(E)

SPECIFIC QUESTIONS ON RULE 1166 SHOULD BE REFERRED TO THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (714) 396-2000

UST1/NOTCLOSE

LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
CLOSURE REPORT REQUIREMENTS

A closure report shall be submitted to the Los Angeles County Department of Public Works, Waste Management Division, P.O. Box 1460, Alhambra, CA 91802-1460, containing:

1. File number of facility and closure permit number.

2 Plot plan to scale showing locations of tanks, sampling points, buildings, adjacent streets and north arrow.

3. Description of methods for obtaining, handling, and transporting samples.

4. Time and date samples were obtained.

5. If borings were established, boring logs certified by a CA Registered Geologist, CA Certified Engineering Geologist, or CA Registered Civil Engineer with sufficient experience in soils.

6. Chain-of-custody documentation initiated by person obtaining sample through person at State Department of Health Services certified laboratory.

7. Disposal destination of tanks and evidence of legal disposal.

8. Analysis results by a State certified laboratory submitted on laboratory letterhead showing analysis date, methods of extraction and methods of analysis.

9. Documentation as to depth of groundwater at facility.

10. Manifests to document hazardous waste disposal of any removed soil and tank rinsate.

11. Any observations of site contamination.

12. Remedial action plan to mitigate contamination.

13. Report to be signed by CA Registered Geologist, CA Certified Engineering Geologist, or CA Registered Civil Engineer with sufficient experience in soils.

Signature T. Monie Date 10/19/92

ld4/CRR

ATTENTION CONTRACTOR

NOTIFICATION REQUIREMENTS

Pursuant to Los Angeles County Code, Section 11.78.045, and the Conditions and Limitations of the attached Hazardous Materials Underground Storage Closure Permit, you are required to complete ALL of the agency notifications indicated below within the time period specified prior to commencement of work on this closure.

[X] 72 HOURS - DEPARTMENT OF PUBLIC WORKS INDUSTRIAL WASTE ENGINEERING INSPECTOR:

>>Unless otherwise noted DPW inspectors are available at the following offices between 8:00 a.m. and 9:30 a.m. ONLY.<<

[ ] BELLFLOWER DISTRICT - (310) 804-2584
16600 Civic Center Dr., Suite 200, Bellflower, CA 90607

[X] CENTINELA VALLEY REGION - (310) 534-4862
24320 S. Narbonne Ave., Lomita, CA 90717

[ ] LENNOX DISTRICT - (310) 419-5650
4353 Lennox Blvd., Lennox, CA 90304

[ ] SAN GABRIEL VALLEY DISTRICT - (818) 574-0962
125 S. Baldwin Ave., Arcadia, CA 91007

[ ] SAN DIMAS REGION - M, W, & Fri. - (818) 574-0961
125 S. Baldwin Ave., Arcadia, CA 91007

[ ] EAST LOS ANGELES DISTRICT - (213) 260-3466
5119 E. Beverly Blvd., Los Angeles, CA 90022

[ ] NEWHALL REGION - (805) 253-7207
23757 W. Valencia Blvd., Santa Clarita, CA 91355

[X] 48 HOURS (OR AS REQUIRED) - LOCAL FIRE DEPARTMENT FIRE PREVENTION INSPECTOR:

[ ] City of _____

[X] Los Angeles County Fire Department 310 830 9596

[X] 24 HOURS - SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

(714) 396-2000

FAILURE TO PROVIDE NOTICE AS REQUIRED ABOVE MAY RESULT IN PERMIT REVOCATION, ADDITIONAL SITE ASSESSMENT REQUIREMENTS, AND/OR ADMINISTRATIVE PENALTIES AS PROVIDED BY LAW.

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM A

COMPLETE THIS FORM FOR EACH FACILITY/SITE

MARK ONLY ONE ITEM: ☐ 1 NEW PERMIT ☐ 2 INTERIM PERMIT ☐ 3 RENEWAL PERMIT ☐ 4 AMENDED PERMIT ☐ 5 CHANGE OF INFORMATION ☐ 6 TEMPORARY SITE CLOSURE ☑ 7 PERMANENTLY CLOSED SITE

I. FACILITY/SITE INFORMATION & ADDRESS - (MUST BE COMPLETED)

DBA OR FACILITY NAME	NAME OF OPERATOR		
AIR PRODUCTS MANUFACTURING CORP.			
ADDRESS	NEAREST CROSS STREET		PARCEL # (OPTIONAL)
23320 S. ALAMEDA ST.			
CITY NAME	STATE	ZIP CODE	SITE PHONE # WITH AREA CODE
CARSON	CA	90810	(310) 518-0430

✓ BOX TO INDICATE: ☑ CORPORATION ☐ INDIVIDUAL ☐ PARTNERSHIP ☐ LOCAL-AGENCY DISTRICTS ☐ COUNTY-AGENCY ☐ STATE-AGENCY ☐ FEDERAL-AGENCY

TYPE OF BUSINESS	☐ ✓ IF INDIAN RESERVATION OR TRUST LANDS	# OF TANKS AT SITE	E. P. A. I. D. # (optional)
☐ 1 GAS STATION ☐ 2 DISTRIBUTOR ☐ 3 FARM ☐ 4 PROCESSOR ☑ 5 OTHER		1	CAT080010655

EMERGENCY CONTACT PERSON (PRIMARY)		EMERGENCY CONTACT PERSON (SECONDARY) - optional	
DAYS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE	DAYS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE
ROLPH, CHARLES	(310) 518-0430		
NIGHTS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE	NIGHTS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE
ROLPH, CHARLES	(310) 518-0430		

II. PROPERTY OWNER INFORMATION - (MUST BE COMPLETED)

NAME	CARE OF ADDRESS INFORMATION		
AIR PRODUCTS MANUFACTURING CORP.			
MAILING OR STREET ADDRESS	✓ box to indicate ☐ INDIVIDUAL ☐ LOCAL-AGENCY ☐ STATE-AGENCY		
23320 S. ALAMEDA ST.	☑ CORPORATION ☐ PARTNERSHIP ☐ COUNTY-AGENCY ☐ FEDERAL-AGENCY		
CITY NAME	STATE	ZIP CODE	PHONE # WITH AREA CODE
CARSON	CA	90810	(310) 518-0430

III. TANK OWNER INFORMATION - (MUST BE COMPLETED)

NAME OF OWNER	CARE OF ADDRESS INFORMATION		
AIR PRODUCTS MANUFACTURING CORP.			
MAILING OR STREET ADDRESS	✓ box to indicate ☐ INDIVIDUAL ☐ LOCAL-AGENCY ☐ STATE-AGENCY		
23320 S. ALAMEDA ST.	☑ CORPORATION ☐ PARTNERSHIP ☐ COUNTY-AGENCY ☐ FEDERAL-AGENCY		
CITY NAME	STATE	ZIP CODE	PHONE # WITH AREA CODE
CARSON	CA	90810	(310) 518-0430

IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER - Call (916) 323-9555 if questions arise.

TY (TK) HQ 44-007922

V. PETROLEUM UST FINANCIAL RESPONSIBILITY - (MUST BE COMPLETED) – IDENTIFY THE METHOD(S) USED

✓ box to indicate: ☑ 1 SELF-INSURED ☐ 2 GUARANTEE ☐ 3 INSURANCE ☐ 4 SURETY BOND ☐ 5 LETTER OF CREDIT ☐ 6 EXEMPTION ☐ 99 OTHER

VI. LEGAL NOTIFICATION AND BILLING ADDRESS

Legal notification and billing will be sent to the tank owner unless box I or II is checked.

CHECK ONE BOX INDICATING WHICH ABOVE ADDRESS SHOULD BE USED FOR LEGAL NOTIFICATIONS AND BILLING: I. ☐ II. ☐ III. ☑

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE)	APPLICANT'S TITLE	DATE MONTH/DAY/YEAR
CHARLES MOYNE	CONTRACTOR	10-8-92

LOCAL AGENCY USE ONLY

COUNTY #	JURISDICTION #	FACILITY #
		01

LOCATION CODE - *OPTIONAL*	CENSUS TRACT # - *OPTIONAL*	SUPVISOR - DISTRICT CODE - *OPTIONAL*

THIS FORM MUST BE ACCOMPANIED BY AT LEAST (1) OR MORE PERMIT APPLICATION - FORM B, UNLESS THIS IS A CHANGE OF SITE INFORMATION ONLY.

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B

COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY ONE ITEM: ☐ 1 NEW PERMIT ☐ 2 INTERIM PERMIT ☐ 3 RENEWAL PERMIT ☐ 4 AMENDED PERMIT ☐ 5 CHANGE OF INFORMATION ☐ 6 TEMPORARY TANK CLOSURE ☐ 7 PERMANENTLY CLOSED ON SITE ☑ 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: AIR PRODUCTS MANUFACTURING CORP.

I. TANK DESCRIPTION

COMPLETE ALL ITEMS -- SPECIFY IF UNKNOWN

A. OWNER'S TANK I. D. #	B. MANUFACTURED BY: UNKNOWN
C. DATE INSTALLED (MO/DAY/YEAR)	D. TANK CAPACITY IN GALLONS:

II. TANK CONTENTS

IF A-1 IS MARKED, COMPLETE ITEM C.

A. ☐ 1 MOTOR VEHICLE FUEL ☐ 2 PETROLEUM ☐ 3 CHEMICAL PRODUCT ☐ 4 OIL ☐ 80 EMPTY ☐ 95 UNKNOWN

B. ☐ 1 PRODUCT ☑ 2 WASTE

C. ☐ 1a REGULAR UNLEADED ☐ 1b PREMIUM UNLEADED ☐ 2 LEADED ☐ 3 DIESEL ☐ 4 GASAHOL ☐ 5 JET FUEL ☐ 6 AVIATION GAS ☐ 7 METHANOL ☐ 99 OTHER (DESCRIBE IN ITEM D. BELOW)

D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED: CAUSTIC WATER C. A. S. # :

III. TANK CONSTRUCTION

MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM: ☐ 1 DOUBLE WALL ☑ 2 SINGLE WALL ☐ 3 SINGLE WALL WITH EXTERIOR LINER ☐ 4 SECONDARY CONTAINMENT (VAULTED TANK) ☐ 95 UNKNOWN ☐ 99 OTHER

B. TANK MATERIAL (Primary Tank): ☑ 1 BARE STEEL ☐ 2 STAINLESS STEEL ☐ 3 FIBERGLASS ☐ 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC ☐ 5 CONCRETE ☐ 6 POLYVINYL CHLORIDE ☐ 7 ALUMINUM ☐ 8 100% METHANOL COMPATIBLE W/FRP ☐ 9 BRONZE ☐ 10 GALVANIZED STEEL ☐ 95 UNKNOWN ☐ 99 OTHER

C. INTERIOR LINING: ☐ 1 RUBBER LINED ☐ 2 ALKYD LINING ☐ 3 EPOXY LINING ☐ 4 PHENOLIC LINING ☐ 5 GLASS LINING ☐ 6 UNLINED ☑ 95 UNKNOWN ☐ 99 OTHER
IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL ? YES ___ NO ___

D. CORROSION PROTECTION: ☐ 1 POLYETHYLENE WRAP ☐ 2 COATING ☐ 3 VINYL WRAP ☐ 4 FIBERGLASS REINFORCED PLASTIC ☐ 5 CATHODIC PROTECTION ☐ 91 NONE ☑ 95 UNKNOWN ☐ 99 OTHER

E. SPILL AND OVERFILL: SPILL CONTAINMENT INSTALLED (YEAR) UNKNOWN OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) UNKNOWN

IV. PIPING INFORMATION

CIRCLE **A** IF ABOVE GROUND OR **U** IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE	A U 1 SUCTION	A U 2 PRESSURE	A U 3 GRAVITY	A U 99 OTHER
B. CONSTRUCTION	A U 1 SINGLE WALL	A U 2 DOUBLE WALL	A U 3 LINED TRENCH	A U 95 UNKNOWN A U 99 OTHER
C. MATERIAL AND CORROSION PROTECTION	A U 1 BARE STEEL	A U 2 STAINLESS STEEL	A U 3 POLYVINYL CHLORIDE (PVC)	A U 4 FIBERGLASS PIPE
	A U 5 ALUMINUM	A U 6 CONCRETE	A U 7 STEEL W/ COATING	A U 8 100% METHANOL COMPATIBLE W/FRP
	A U 9 GALVANIZED STEEL	A U 10 CATHODIC PROTECTION	A U 95 UNKNOWN	A U 99 OTHER

D. LEAK DETECTION: ☐ 1 AUTOMATIC LINE LEAK DETECTOR ☐ 2 LINE TIGHTNESS TESTING ☐ 3 INTERSTITIAL MONITORING ☑ 99 OTHER UNKNOWN

V. TANK LEAK DETECTION

☐ 1 VISUAL CHECK ☐ 2 INVENTORY RECONCILIATION ☐ 3 VADOZE MONITORING ☐ 4 AUTOMATIC TANK GAUGING ☐ 5 GROUND WATER MONITORING ☐ 6 TANK TESTING ☐ 7 INTERSTITIAL MONITORING ☐ 91 NONE ☑ 95 UNKNOWN ☐ 99 OTHER

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR)	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING	3. WAS TANK FILLED WITH INERT MATERIAL ?
UNKNOWN	0 GALLONS	YES ☐ NO ☑

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE)	DATE
CHARLES MOINE	10-8-92

LOCAL AGENCY USE ONLY

THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.#	COUNTY #	JURISDICTION #	FACILITY #	TANK #
				01

PERMIT NUMBER	PERMIT APPROVED BY/DATE	PERMIT EXPIRATION DATE

FORM B (7-91) THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.

FOR0034B-R5

FILE: 965184-005585 L.A. COUNTY DEPARTMENT OF PUBLIC WORKS RUN DATE: 10/08/92
REC: A0000-11613 FEE RECEIPT FOR RUN TIME: 12:02:54
CLOSURE BY REMOVAL KEPT: HHC225

RECEIVED FROM: AIR PRODUCTS MFG CORP
ADDRESS: 23320 S ALAMEDA ST
CARSON, CA 90810

AMOUNT PAID: $210.00 PAYMENT TYPE: OVER THE COUNTER CHECKS
DATE PAID: 10/05/92 DEPOSIT DATE: 10/08/92
REF #: 92100892 PAYOR/COMMENTS: 28763/MOORE BROTHERS BY TONY
RCPT #: 920000000142 AREA: CITY OF CARSON

THIS SERVES AS AN AUTHORIZATION TO CLOSE AND/OR REMOVE THE TANKS LISTED BELOW SUBJECT TO THE ATTACHED REQUIREMENTS.

TANK#	TANK CONTENTS	OWNER TANK #	TANK CAPACITY
001	10% CAUSTIC NAOH SOLUTION	20.70	6000 GAL

RECEIVED BY: MICHAEL ONAFRAY

FUBII 5385-22

LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS
COMPLAINT REPORT

REFERRED TO RANDY MCDONALD

Caller BOB SWIGART Date 10/30/92

Company AIR PRODUCTS & CHEM Time 8:25 am

Telephone (215) 481 8867 (310) 830 8240 Assigned To _____

T 44222

NATURE OF COMPLAINT

Spill ____ Tank Leak ____ Illegal Dumping X Sewer Stoppage ____

Other REMOVING TRUCK SCALE AND DURING EXCAVATION FOUND ILLEGAL DUMPING

Company AIR PRODUCTS MFG. CORP — CARSON AREA

Location/Address 23320 S. ALAMEDA, L.B.

Contact _____ Telephone _____

Chemical/Material OIL/DIESEL OR GASOLINE

Date of Occurrence 10/29 Action Taken CALLED CONTACT GAVE SWIGART RWQCB NUMBER TO CALL AND CONTACT JUST IN CASE

VALLEY REGION FIELD OFFICE - RANDY MC DONALD. CALLED J. LEWIS TO VERIFY WITH RWQCB THAT BOB SWIGART CALLED - (HE DID)

38-0001 DPW 1/86

L.A. COUNTY DPW HAZARDOUS MATERIALS SYSTEM REPORT: HMR050.001

DATE COMPILED: 09/01/92 IW INSPECTION JOB ORDER INSP#: I000044222

RUN DATE: 11/02/92 16:23:09 SPECIAL INSPECTOR AUDIT OF PER ASSC#:
PAGE: 1

FILE #: 005186-I05385 NAME: AIR PRODUCTS MFG CORP
ADD: 23320 S ALAMEDA ST
CARSON, CA 90810 AREA: 22 SMD: 95
XSTREET: SEPULVEDA THOMAS GUIDE: 0000-00
CONTACT: DON REAMER TEL: 213 835 0106

PROC: SAMPLE REQUIRED? N SAMPLE #: _____

INSP INFO: DURING REMOVAL OF TRUCK SCALE CONTAMINATED SOIL DISCOVERED. VERIFY AND DETERMINE SOURCE OF CONTAMINATION - UST RELATED?

ASSGN TO: CENTINELA VALLEY FIELD OFFICE SECT: FIELD INSPECTION UNIT

==========

RESULTS: On inspection at the site I talked to Mr. C. Grigsby, Air Prod. and Mr. Wen Kuo Envir. Engr. They indacated that they were trying to determine source and extent.

REMARKS: Site to contact H.Q. to determine closure requirements.

INSPECTOR: Randy McDonald INSPECTION DATE: 11-3-92

DISP: comp 11/3/92 RB

C. G. Grigsby
Contract Superintendent

Representing:
Air Products and Chemicals, Inc.
7201 Hamilton Boulevard
Allentown, PA 18195-1501
Telephone (215) 481-7785
Fax (215) 481-2688

KUO ENVIRONMENTAL

WEN L. KUO, Ph.D.
ENVIRONMENTAL ENGINEERING

5455 GARDEN GROVE BLVD.
SUITE 300
WESTMINSTER, CA 92683

(714) 373-3016
FAX (714) 373-4670



Discolored

I 00025382A

COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS

Waste Management Division

INSPECTOR'S REPORT

TO: Joe Baiocco DATE: 11-23-92

FROM: Randy McDonald FILE: I- 5385-22

INDUSTRY: AIR Products Mfg. Corp.
23320 S. Alameda ST., Carson

REPORT: I received the enclosed letters regarding the recent discovery of soil contamination during demolishtion.

38-0002 DPW 10/86

Air Products and Chemicals, Inc.
7201 Hamilton Boulevard
Allentown, PA 18195-1501
Telephone (215) 481-4911
Telex: 84-7418

AIR PRODUCTS

4 November 1992

Los Angeles County Dept.
of Public Works
Waste Mgmt./Underground Tank Prgm.
P.O. Box 1460
Alhambra, CA 91802

Attn: Rob Kubomoto

Re: Written Report Follow-up to 30 October 1992 Verbal Spill Notification
Air Products Manufacturing Corp., 23320 S. Alameda St, Long Beach, CA 90810

Dear Sir:

This letter serves to document the verbal spill notification made in regards to our above referenced facility. As you may recall, Air Products was conducting some demolition activities when we encountered some soil contaminated with fuel. We assumed the source was related to an underground diesel tank that we removed and remediated about four years ago. In addition to yourself, I notified the California Office of Emergency Services (Report # 30300) and the Regional Water Quality Control Board (RWQCB).

On 29 October 1992, at 1:00 P.M., during the demolition of a truck-weighing scale pit at our 23320 S. Alameda Street facility, some fuel contaminated soil was encountered. The following day I reported the contaminated soil. An analysis of the soil shows 3516 ppm gasoline and 779 ppm diesel. The quantity of the contamination is unknown. The source of the contamination may have been from the underground diesel tank that was removed adjacent to the scale or due to a possible past surface spill. We are currently making arrangements with an environmental contractor to investigate and remediate or remove and dispose the contaminated soil.

Investigation and remediation reports will be forwarded to you and to the RWQCB unless you would prefer otherwise. If you have any questions, please call me at (215) 481-8867.

Sincerely,

Air Products and Chemicals, Inc

Robert Swigart

Robert J. Swigart
Senior Environmental Coordinator

RJS/longspil

c: California Office of Emergency Services
2800 Meadowview Road
Sacramento, CA 95832

Los Angeles County Dept. of
Centinela Valley Region
24320 S. Narbonne Ave.
Lomita, CA 90717
Attn: Industrial Waste
Randall McDonald

California Regional Water Quality Control Board
Region 4 Los Angeles
101 Centre Plaza Drive
Monterey Park, CA 91754
Attn: John Lewis

14:44 215-481-6186 AIR PRODUCTS P.002

Air Products and Chemicals, Inc.
7201 Hamilton Boulevard
Allentown, PA 18195-1501

Telephone (215) 481-4911
Telex: 847416

AIR PRODUCTS

12 November 1992

Los Angeles County Dept.of Public Works
Waste Mgmt./Underground Tank Prgm.
P.O. Box 1460
Alhambra, Ca 91802

Attn: Rob Kubomoto

Re: Gasoline/Diesel Contaminated Soil Update
Air Products Manufact. Corp., 23320 S. Alameda St, Long Beach, Ca 90810

Dear Sir:

As you may recall, Air Products was conducting some demolition activities when we encountered some soil contaminated with gasoline and diesel. We assumed the source was related to an underground diesel tank that we removed and remediated about four years ago. As we investigate, we are beginning to put some pieces of the puzzle together that lead us to believe the contamination may be located over a larger area than we suspected and from a different source.

The above referenced facility is an industrial gas manufacturing plant where Air Products received a pipeline gas, from the petroleum cracking operation at the ARCO refinery across the street, and manufactured pure hydrogen. We have leased this property from ARCO since building our plant in 1962. We decommissioned the plant in 1986 and are currently demolishing sections of the facility so that we may return the land to ARCO.

The truck weighing scale, where the contamination was discovered, is adjacent to a section of our plant that we refer to as the purification or pretreatment area. This is were our demolition activities are currently being directed. Within this area is an underground spent caustic solution tank that we are going to remove. In preparation for this tank removal, we broke through the concrete pad, that covers most of this area, and discovered some similar gasoline/diesel contaminated soil. This would indicate that the contamination covers a larger area than just around the truck scale.

Within our purification/pretreatment area there are two aboveground storage tanks that contained hydrocarbon liquids. One tank is a 6000 gallon diesel tank and the other is a 6000 gallon hydrocarbon condensate tank. This hydrocarbon condensate was very similar to gasoline and contained benzene, toluene, ethylbenzene, and xylene. Given the location of the contaminated soil in relation to these aboveground storage tanks, the similarity of the contamination to the substances stored in these tanks, and the fact that the contamination is located near the ground surface, we now believe that possible surface spills related to

11. 12. 92 03:33 PM *PSG MATL. S. MGMT. P02

these tanks may be the source of this soil contamination. We are now directing our attention to the area beneath these tanks.

We are currently using Cleveland Environmental Services, Inc. to conduct our investigation. We continue to demolish aboveground structures in this area as it will facilitate further investigation and remediation.

If you have any questions regarding our activities, please call me at (215) 431-8867.

Sincerely,

Air Products and Chemicals, Inc

Robert J. Swigart
Senior Environmental Coordinator

RJS/lbspllud

c: Los Angeles County Dept. of Public Works
Centinela Valley Region
24320 S. Narbonne Ave.
Lomita, CA 90717
Attn: Industrial Waste
Randall McDonald

California Regional Water Quality Control Board
Region 4, Los Angeles
Room 4027
107 South Broadwaybc:
Los Angeles, CA 90012
Attn: John Lewis

APPLICATION FOR CLOSURE
HAZARDOUS MATERIALS UNDERGROUND STORAGE
COUNTY OF LOS ANGELES-DEPARTMENT OF PUBLIC WORKS
WASTE MANAGEMENT DIVISION
900 S. FREMONT AVENUE
ALHAMBRA, CALIFORNIA 91803-1331

Renewal of Permit #41613

Permit 61306
File 5385 R/C 22
Fee $215.00
Check [✓] Cash [ ]

OWNER: Name Air Products manufacturing Corp Phone 310)518-0430
Mailing Address 23320 S. Alameda st. City Carson State CA Zip 90810

FACILITY:
Occupant Name Air Products Manufacturing Corp Phone 310)518-0430
Site Address 23320 S. Alameda City Carson Zip 90810
Mailing Address 23320 S. Alameda City Carson State Zip 90810
Contact Person Charles Rolph Title Manager

CONTRACTOR [✓], complete below: OWNER/OPERATOR AS CONTRACTOR [ ]
Name I.T. corp Phone
State License No. 137422 Class A\B\R\C57\ Haz\ A-

CLOSURE REQUESTED:
[✓] PERMANENT, TANK REMOVAL (See Conditions A and C Attached)
How many underground tanks will remain after this closure? 0
[ ] PERMANENT, CLOSURE IN PLACE (See Conditions A and D Attached)
[ ] TEMPORARY (See Conditions A and B Attached)

TANK DESCRIPTION: PLOT PLAN ATTACHED [✓] EXISTING HMUSP NO. _____

Tank No.	Tank Mat'l	Age	Capacity	Materials Stored (Past/Present)
1	Steel	Unknown	6000	Caustic water

COMPLETE THE FOLLOWING:

	YES	NO
Has an unauthorized release ever occurred at this site?	[ ]	[✓]
Have structural repairs ever been made to these tanks?	[ ]	[✓]
Will new underground tanks be installed after closure?	[ ]	[✓]
Will any wells, including monitoring wells, be abandoned?	[ ]	[✓]

NOTICE: CONTAMINATED TANKS AND RESIDUES THAT MAY BE LEFT IN TANKS TO BE CLOSED MAY BE A HAZARDOUS WASTE WHICH MUST BE TRANSPORTED AND DISPOSED OF PURSUANT TO CHAPTER 6.5, CALIFORNIA HEALTH & SAFETY CODE. FAILURE TO COMPLY MAY BE PROSECUTED AS A FELONY VIOLATION.

By signature below the applicant certifies that all statements and disclosures above are true and correct and that they have read and agree to abide by this permit and all conditions and limitations attached.

Applicant's Signature I.T. Corp By [signature] Date 5-6-93
(Print Name) Steven L. Monson Phone 310)830-7187
Owner [ ] Operator [ ] Contractor [X]

TO BE COMPLETED BY THE DEPARTMENT OF PUBLIC WORKS

PURSUANT TO SECTION 11.80.070B, LOS ANGELES COUNTY CODE, PERMISSION IS HEREBY GRANTED TO PROCEED WITH THE CLOSURE DESCRIBED ABOVE SUBJECT TO THE ATTACHED CONDITIONS AND LIMITATIONS [X]. THIS PERMIT EXPIRES 180 DAYS FROM THE DATE BELOW.

T.A. TIDEMANSON
Director of Public Works

By VB abna Date 5/6/93

CLOSURE -- UNDERGROUND STORAGE TANKS

CONDITIONS A -- GENERAL

1. Closures shall be carried out such that all applicable regulations from the following agencies are complied with: Los Angeles County, Department of County Engineer - Facilities; Los Angeles County Fire Department, Fire Prevention Division or the appropriate City Fire Department; South Coast Air Quality Management District; and Los Angeles County Department of Health Services.

2. The County Engineer and Fire Departments shall be notified in advance of any closure in accordance with the following:

   a. Removal of tank shall require a three (3) business day advance notification.

   b. Permanent closure of a tank in place or a temporary closure shall require a 30 day written notification.

3. Consult current fee schedule for costs.

4. All abandoned wells shall be destroyed in such a way that they will not produce water or act as a channel for interchange of water, when such interchange may result in deterioration of the quality of water in any or all water bearing formations penetrated, or present a hazard to the safety and well-being of people and animals.

5. A well destruction permit issued by the Los Angeles Department of Health Services shall be required for all wells requiring a permit for their initial construction.

6. Well destruction shall be accomplished according to methods described in the latest "Water Well Standards: State of California" by the Department of Water Resources, contained in Bulletin 74-81, December 1981, or any other methods that will provide equivalent or better protection.

7. Plans for the decontamination of a facility shall be submitted to the County Engineer for approval no later than 30 days before the commencement of such operations. Other agencies having jurisdiction shall also be notified. These agencies include the California Regional Water Quality Board, the Los Angeles County Department of Health Services, and the South Coast Air Quality Management District.

8. Decontamination shall require the following, as a minimum:

   a. Cleaning operation shall be done under the supervision of persons who understand the hazardous potential of the original liquid stored and its components.

   b. The personnel shall be sufficiently skilled to safely carry out such operation.

   c. Contaminated materials removed from such facility shall be disposed of at legal point of discharge.

   d. The operation shall be carried out in a manner that will not endanger the health of the public and the environment.

CONDITIONS B -- TEMPORARY

1. All temporary closures shall be carried out as indicated in Los Angeles County Fire Department, Fire Prevention Division, Supplement #A -- Inspection Guide #6, "Abandonment or Removal of Underground Tanks," Part A and any other applicable Parts.

2. A temporary closure shall not exceed 90 days.

CONDITIONS C -- PERMANENT TANK(S) REMOVAL

1. All tank removals shall be carried out as indicated in Los Angeles County Fire Department, Fire Prevention Division, Supplement #A -- Inspection Guide #6, Part D and any other applicable Parts.

2. Owners/operators shall notify the Building Department having jurisdiction at the place of removal if a grading permit is necessary.

3. Removed tanks shall not be transported away from the site until an inspection to establish site integrity is carried by the County Engineer.

4. If an appointment has been arranged with a County Engineer Inspector to inspect the removal of a tank, the inspector will only wait at the site a reasonable amount of time (approximately one hour) after arriving for the removal to commence. Another closure fee may be charged if the inspector has to return to the site.

5. After inspection, tanks shall be transported to a legal disposal point.

6. If the tank has stored materials other than motor fuel, fuel oil or waste oil, site integrity shall be demonstrated using the soil sampling and analysis procedures described in CONDITIONS D below.

7. The site shall be backfilled and recompacted to a relative compaction of 90%.

CONDITIONS D -- PERMANENT

1. All permanent closures of tanks in place shall comply with Los Angeles County Fire Department, Fire Prevention Division, Supplement #A -- Inspection Guide #6, Parts B or C, and any other applicable Parts.

2. Owners/operators shall demonstrate part site integrity as follows:

   a. Test borings shall be slant drilled to intercept a point beneath the center of the tank, if possible. If slant drilling is not feasible, the test borings may be drilled vertically and the reason stated in the report in 2.h. below.

   b. For single tanks, a minimum of two test borings will be required, each located on opposite sides of the tank along the major axis of the tank.

   c. For multiple tanks, as a minimum, borings shall be placed at 20 foot intervals around the tank cluster. The actual number and location of borings shall be evaluated on a case-by-case basis. Tanks separated by 20 feet or more shall be considered single tanks for the purposes of test location and placement.

   d. Soil samples shall be taken at depths of 5, 10, 20, 30 and 40 feet below grade level.

   e. A Shelby Tube or a Modified California Sampler shall be utilized for taking all soil samples.

   f. Soil samples shall be capped immediately with teflon or aluminum.

   g. Soil samples shall not be extruded in the field but are to be immediately placed in a refrigerated ice chest and transported to a state certified laboratory for analysis, using suitable methods.

   h. A report containing the results of the above analysis shall be submitted to the County Engineer.

3. If the soil analysis in 2. above indicates the presence of contaminants, the County Engineer shall require a site investigation as described in Chapter V of the County's "Underground Storage of Hazardous Materials -- Guidelines."

4. A report shall be submitted to the County Engineer containing

NOTICE TO CLOSURE PERMIT APPLICANTS

The South Coast Air Quality Management District (SCAQMD) has adopted Rule 1166 regulating emissions of Volatile Organic Compounds (VOC) from decontamination of soil effective August 6, 1988.

In addition to the requirements of your Closure Permit, persons excavating any underground storage tank that previously contained VOC's must:

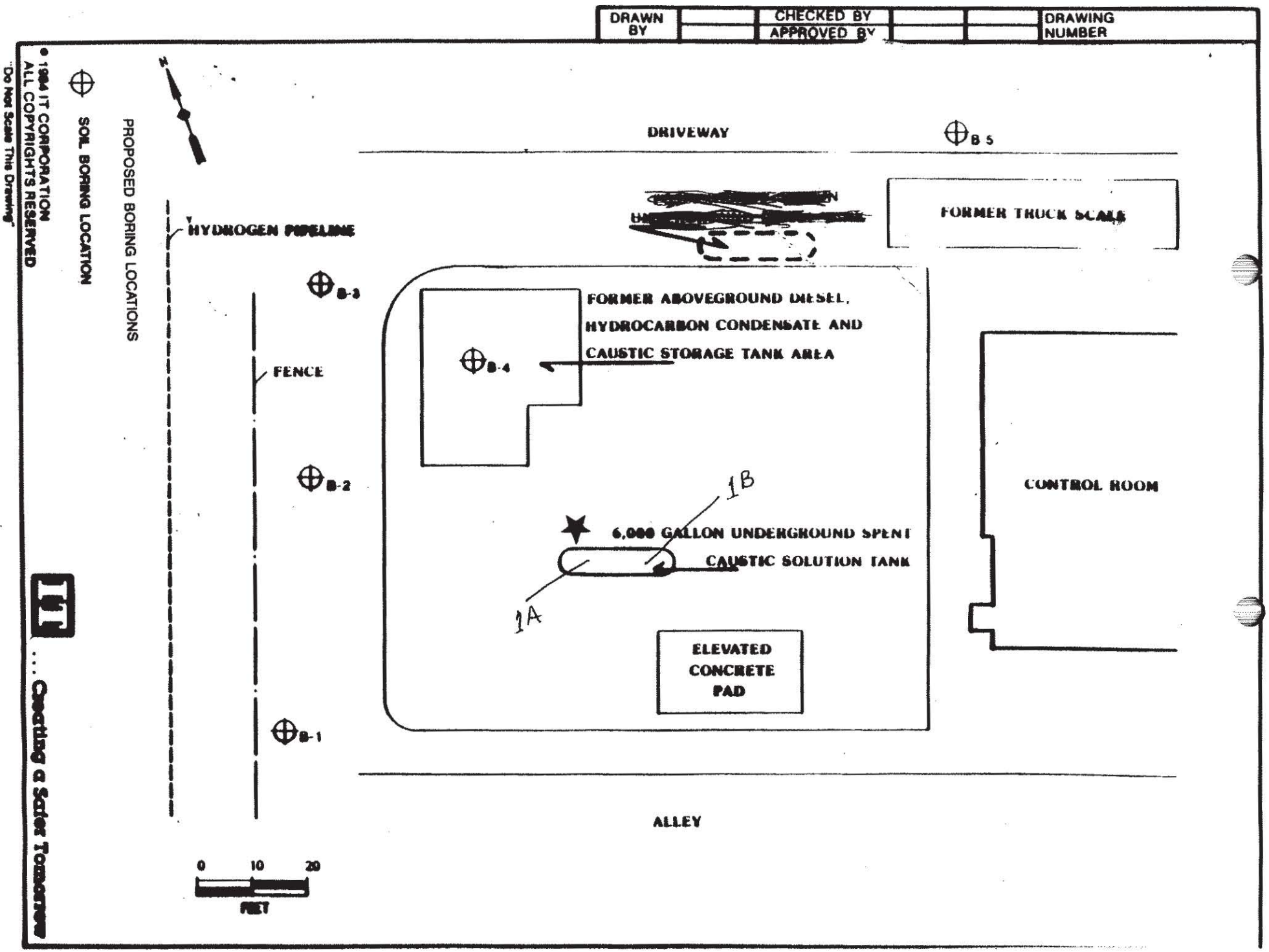
- Notify the SCAQMD Executive Officer by telephone at (714) 396-2000 24 hours prior to tank excavation. 1166(c)(1)(A)
- Monitor the excavated material during the excavation for VOC contamination. 1166(c)(1)(B)
- When VOC contamination is detected:
  * Cease excavation
  * Cover the contaminated soil until implementation of approved mitigation measures. 1166(c)(1)(C)
  * Notify the SCAQMD Executive Officer at (714) 396-2000 within 24 hours of detection of VOC contaminated soil. 1166(c)(2)(A)
- A person shall not engage in or allow any on-site or off-site spreading of VOC contaminated soil which results in uncontrolled evaporation of VOC to the atmosphere. 1166(c)(3)

Exemptions

- Treatment of less than one (1) cubic yard of contaminated soil. 1166(d)(1)(A)
- Decontamination of soil containing organic compounds that have initial boiling point of 302°F or greater, Reid Vapor Pressure less than 80mm Hg or Absolute Vapor Pressure less than 36mm Hg at 20°C. 1166(d)(1)(B),(F)
- Removal of soil for sampling purposes pursuant to EPA methods. 1166(d)(1)(C)
- Accidental spillage of five (5) gallons or less of VOC. 1166(d)(1)(D)
- Documentation of soil which is contaminated through natural seepage of VOC from oil and gas wells or other natural sources. 1166(d)(1)(E)

SPECIFIC QUESTIONS ON RULE 1166 SHOULD BE REFERRED TO THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (714) 396-2000

UST1/NOTCLOSE


DRAWN BY
CHECKED BY
APPROVED BY
DRAWING NUMBER
SOIL BORING LOCATION
PROPOSED BORING LOCATIONS
HYDROGEN PIPELINE
FENCE
B-3
B-2
B-1
B-4
B 5
DRIVEWAY
FORMER TRUCK SCALE
FORMER ABOVEGROUND DIESEL, HYDROCARBON CONDENSATE AND CAUSTIC STORAGE TANK AREA
1B
6,000 GALLON UNDERGROUND SPENT CAUSTIC SOLUTION TANK
1A
ELEVATED CONCRETE PAD
CONTROL ROOM
ALLEY
0
10
20
FEET
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"Do Not Scale This Drawing"
IT
... Creating a Safer Tomorrow

CLOSURE PERMIT SUPPLEMENT
HAZARDOUS MATERIALS UNDERGROUND STORAGE
LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
WASTE MANAGEMENT DIVISION
900 S. FREMONT AVENUE
ALHAMBRA, CA 91803

Closure Permit
No.: 61306
File No.
I- 5385

PART 1 OF 2

To satisfy the permanent closure requirements for underground storage tanks previously storing hazardous materials, site integrity must be demonstrated by the analysis of soil samples and, if applicable, groundwater samples as outlined below. These requirements are in addition to the conditions listed on the Application for Closure or contained in an approved Closure Plan.

1. Samples shall be obtained at the sampling points (SP) indicated on the attached plot plan.

2. For each SP, samples shall be obtained at the following depths:

SP	Depth(s)	Compounds	Analysis Method
1A, 1B	2-4 feet below tank invert	TPH, BTEX pH, Na	418.1, 8020 Appropriate EPA method
20 feet interval along product pipe	"	"	"

dn4/FPERMIT Rev. 3/90

Cont'd on Page 2

3. All soil samples obtained shall be discrete, undisturbed and unexposed prior to analysis. The method used to obtain the samples and the date of sampling shall be included in the final report.

4. If groundwater is encountered during sampling, a groundwater monitoring well shall be established at the most downgradient sampling point. The well shall be developed by removing a minimum of four well volumes and a groundwater sample shall be obtained and analyzed.

5. The analytical results for all soil samples shall be expressed milligrams per kilogram (mg/kg), or micrograms per kilogram (ug/kg) as appropriate. Practical quantitation limits of 5-10 ug/kg (ppb) for volatile organics and 1 mg/kg (ppm) for the petroleum hydrocarbons must be achieved by the laboratory. Analytical results for groundwater samples shall be expressed in ug/l (ppb) and practical quantitation limits of .5-5 ug/l (ppb) for volatile organics, and 1 mg/l (ppm) for petroleum hydrocarbons must be achieved by the laboratory.

6. Analytical results shall be reported on laboratory letterhead and shall include the following information: a) The date the analysis was conducted; b) The method of extraction (if applicable); c) Detection limits for each analytical procedure and determiantion; d) The method of analysis; e) Signature of chemist certifying results.

7. All soil/groundwater samples obtained shall be handled and transported to laboratory in strict accordance with applicable EPA regulations utilizing chain-of-custody procedures. Chain-of-custody documentation shall be included in the final report.

8. If the soil/groundwater analysis indicates undefined contamination at the facility, additional sampling shall be required to define the vertical and lateral extent present.

9. A final report that contains all of the above required information shall be submitted to the office above within one (1) month from the sampling date or 180 days from the date of this permit, whichever is earlier.

ATTENTION CONTRACTOR

NOTIFICATION REQUIREMENTS

Pursuant to Los Angeles County Code, Section 11.78.045, and the Conditions and Limitations of the attached Hazardous Materials Underground Storage Closure Permit, you are required to complete **ALL** of the agency notifications indicated below within the time period specified prior to commencement of work on this closure.

[X] 72 HOURS - DEPARTMENT OF PUBLIC WORKS INDUSTRIAL WASTE ENGINEERING INSPECTOR:

>>Unless otherwise noted DPW inspectors are available at the following offices between 8:00 a.m. and 9:30 a.m. **ONLY**.<<

[ ] BELLFLOWER DISTRICT - (310) 804-2584
16600 Civic Center Dr., Suite 200, Bellflower, CA 90607

[X] CENTINELA VALLEY REGION - (310) 534-4862
24320 S. Narbonne Ave., Lomita, CA 90717

[ ] LENNOX DISTRICT - (310) 419-5650
4353 Lennox Blvd., Lennox, CA 90304

[ ] SAN GABRIEL VALLEY DISTRICT - (818) 574-0962
125 S. Baldwin Ave., Arcadia, CA 91007

[ ] SAN DIMAS REGION - M, W, & F - (818) 574-0961
- T & TH - (818) 961-9611
125 S. Baldwin Ave., Arcadia, CA 91007

[ ] EAST LOS ANGELES DISTRICT - (213) 260-3466
5119 E. Beverly Blvd., Los Angeles, CA 90022

[ ] NEWHALL REGION - (805) 253-7207
23757 W. Valencia Blvd., Santa Clarita, CA 91355

[X] 48 HOURS (OR AS REQUIRED) - LOCAL FIRE DEPARTMENT FIRE PREVENTION INSPECTOR:

[ ] City of _____

[X] Los Angeles County Fire Department (310) 830-9596

[X] 24 HOURS - SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

(310) 403-6000

FAILURE TO PROVIDE NOTICE AS REQUIRED ABOVE MAY RESULT IN PERMIT REVOCATION, ADDITIONAL SITE ASSESSMENT REQUIREMENTS, AND/OR ADMINISTRATIVE PENALTIES AS PROVIDED BY LAW.

COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
WASTE MANAGEMENT DIVISION

CLOSURE REPORT REQUIREMENTS

A closure report shall be submitted to the County of Los Angeles Department of Public Works, Waste Management Division, P.O. Box 1460, Alhambra, California 91802-1460, containing:

1. File number of facility and closure permit number.

2. Plot plan to scale showing locations of tanks, sampling points, buildings, adjacent streets, and north arrow.

3. Description of methods for obtaining, handling, and transporting samples.

4. Time and date samples were obtained.

5. Soil sampling certification (including but not limited to soils classification, boring logs, sample procedures, sample locations, initiating chain-of-custody, and groundwater location) for UST closure shall be certified by a California registered geologist, a California certified engineering geologist, or a California registered civil engineer with sufficient experience in soils. The certification must clearly state that all work was performed under the supervision of the person signing.

6. Chain-of-custody documentation initiated by person obtaining sample through person at CAL/EPA Department of Toxic Substance Control certified laboratory.

7. Disposal destination of tanks and evidence of legal disposal.

8. Analysis results by a State certified laboratory submitted on laboratory letterhead showing analysis date, methods of extraction, and methods of analysis.

9. Documentation as to deptn of groundwater at facility.

10. Manifests to document hazardous waste disposal of any removed soil and tank rinseate.

11. Any observations of site contamination.

12. Remedial action plan to mitigate contamination.

13. Report to be signed by a California registered geologist, a California certified engineering geologist, or a California registered civil engineer with sufficient experience in soils.

Print Name Jeff Peterson

Signature [signature] Date 5-6-93

UST1/CRR

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM A

COMPLETE THIS FORM FOR EACH FACILITY/SITE

MARK ONLY ONE ITEM: ☐ 1 NEW PERMIT ☐ 2 INTERIM PERMIT ☐ 3 RENEWAL PERMIT ☐ 4 AMENDED PERMIT ☐ 5 CHANGE OF INFORMATION ☑ 7 PERMANENTLY CLOSED SITE ☐ 6 TEMPORARY SITE CLOSURE

I. FACILITY/SITE INFORMATION & ADDRESS - (MUST BE COMPLETED)

DBA OR FACILITY NAME	NAME OF OPERATOR	
Air Products Manufacturing Corp	Air Products	
ADDRESS: 23320 S. Alameda st	NEAREST CROSS STREET: Sepulveda	PARCEL # (OPTIONAL)
CITY NAME: Carson	STATE: CA / ZIP CODE	SITE PHONE # WITH AREA CODE: 310) 518-0430

✓ BOX TO INDICATE: ☑ CORPORATION ☐ INDIVIDUAL ☐ PARTNERSHIP ☐ LOCAL-AGENCY DISTRICTS ☐ COUNTY-AGENCY ☐ STATE-AGENCY ☐ FEDERAL-AGENCY

TYPE OF BUSINESS	✓ IF INDIAN RESERVATION OR TRUST LANDS	# OF TANKS AT SITE	E. P. A. I. D. # (optional)
☐ 1 GAS STATION ☐ 2 DISTRIBUTOR ☐ 3 FARM ☐ 4 PROCESSOR ☑ 5 OTHER	☐		CAT080010656

EMERGENCY CONTACT PERSON (PRIMARY)		EMERGENCY CONTACT PERSON (SECONDARY) - optional	
DAYS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE	DAYS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE
Rolph Charles	310) 518-0430	Pendergast, John	310) 518-0430
NIGHTS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE	NIGHTS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE
Rolph Charles	(310) 761-0830 Beeper	Pendergast, John	310) 761-0831 Beeper

II. PROPERTY OWNER INFORMATION - (MUST BE COMPLETED)

NAME	CARE OF ADDRESS INFORMATION	
Air Products manufacturing	Charles C. Rolph	
MAILING OR STREET ADDRESS: 23320 S. Alameda St.	✓ box to indicate ☐ INDIVIDUAL ☐ LOCAL-AGENCY ☐ STATE-AGENCY ☐ CORPORATION ☐ PARTNERSHIP ☐ COUNTY-AGENCY ☐ FEDERAL-AGENCY	
CITY NAME: ~~Carson~~ ~~Long~~ Carson	STATE: CA. / ZIP CODE	PHONE # WITH AREA CODE: 310) 830-1570

III. TANK OWNER INFORMATION - (MUST BE COMPLETED)

NAME OF OWNER	CARE OF ADDRESS INFORMATION	
Air Products manufacturing	Charles C. Rolph	
MAILING OR STREET ADDRESS: 23320 S. Alameda st	✓ box to indicate ☐ INDIVIDUAL ☐ LOCAL-AGENCY ☐ STATE-AGENCY ☐ CORPORATION ☐ PARTNERSHIP ☐ COUNTY-AGENCY ☐ FEDERAL-AGENCY	
CITY NAME: Carsen	STATE: CA. / ZIP CODE	PHONE # WITH AREA CODE: 310) 830-1570

IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER - Call (916) 323-9555 if questions arise.

TY (TK) HQ 44 -

V. PETROLEUM UST FINANCIAL RESPONSIBILITY - (MUST BE COMPLETED) – IDENTIFY THE METHOD(S) USED

✓ box to indicate: ☐ 1 SELF-INSURED ☐ 2 GUARANTEE ☐ 3 INSURANCE ☐ 4 SURETY BOND ☐ ~~5~~ LETTER OF CREDIT ☐ 6 EXEMPTION ☐ 99 OTHER

VI. LEGAL NOTIFICATION AND BILLING ADDRESS

Legal notification and billing will be sent to the tank owner unless box I or II is checked.

CHECK ONE BOX INDICATING WHICH ABOVE ADDRESS SHOULD BE USED FOR LEGAL NOTIFICATIONS AND BILLING: I. ☐ II. ☐ III. ☐

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE)	APPLICANT'S TITLE	DATE MONTH/DAY/YEAR
Steven L. Morgan	Proj. Manager	5-6-93

LOCAL AGENCY USE ONLY

COUNTY #	JURISDICTION #	FACILITY #
19	000	5385

LOCATION CODE - *OPTIONAL*	CENSUS TRACT # - *OPTIONAL*	SUPVISOR - DISTRICT CODE - *OPTIONAL*
22		

THIS FORM MUST BE ACCOMPANIED BY AT LEAST (1) OR MORE PERMIT APPLICATION - FORM B, UNLESS THIS IS A CHANGE OF SITE INFORMATION ONLY.

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B

COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY ONE ITEM: ☐ 1 NEW PERMIT ☐ 2 INTERIM PERMIT ☐ 3 RENEWAL PERMIT ☐ 4 AMENDED PERMIT ☐ 5 CHANGE OF INFORMATION ☐ 6 TEMPORARY TANK CLOSURE ☐ 7 PERMANENTLY CLOSED ON SITE ☑ 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED:

I. TANK DESCRIPTION

COMPLETE ALL ITEMS -- SPECIFY IF UNKNOWN

A. OWNER'S TANK I. D. # UNKnown	B. MANUFACTURED BY: UNKnown
C. DATE INSTALLED (MO/DAY/YEAR) UNKnown	D. TANK CAPACITY IN GALLONS: 6000

II. TANK CONTENTS

IF A-1 IS MARKED, COMPLETE ITEM C.

A. ☐ 1 MOTOR VEHICLE FUEL ☐ 2 PETROLEUM ☐ 3 CHEMICAL PRODUCT ☐ 4 OIL ☐ 80 EMPTY ☐ 95 UNKNOWN

B. ☐ 1 PRODUCT ☑ 2 WASTE

C. ☐ 1a REGULAR UNLEADED ☐ 1b PREMIUM UNLEADED ☐ 2 LEADED ☐ 3 DIESEL ☐ 4 GASAHOL ☐ 5 JET FUEL ☐ 6 AVIATION GAS ☐ 7 METHANOL ☐ 99 OTHER (DESCRIBE IN ITEM D. BELOW)

D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED caustic water C. A. S. # :

III. TANK CONSTRUCTION

MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM: ☐ 1 DOUBLE WALL ☑ 2 SINGLE WALL ☐ 3 SINGLE WALL WITH EXTERIOR LINER ☐ 4 SECONDARY CONTAINMENT (VAULTED TANK) ☐ 95 UNKNOWN ☐ 99 OTHER

B. TANK MATERIAL (Primary Tank): ☑ 1 BARE STEEL ☐ 2 STAINLESS STEEL ☐ 3 FIBERGLASS ☐ 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC ☐ 5 CONCRETE ☐ 6 POLYVINYL CHLORIDE ☐ 7 ALUMINUM ☐ 8 100% METHANOL COMPATIBLE W/FRP ☐ 9 BRONZE ☐ 10 GALVANIZED STEEL ☐ 95 UNKNOWN ☐ 99 OTHER

C. INTERIOR LINING: ☐ 1 RUBBER LINED ☐ 2 ALKYD LINING ☐ 3 EPOXY LINING ☐ 4 PHENOLIC LINING ☐ 5 GLASS LINING ☐ 6 UNLINED ☑ 95 UNKNOWN ☐ 99 OTHER
IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL ? YES ___ NO ___

D. CORROSION PROTECTION: ☐ 1 POLYETHYLENE WRAP ☐ 2 COATING ☐ 3 VINYL WRAP ☐ 4 FIBERGLASS REINFORCED PLASTIC ☐ 5 CATHODIC PROTECTION ☐ 91 NONE ☑ 95 UNKNOWN ☐ 99 OTHER

E. SPILL AND OVERFILL: SPILL CONTAINMENT INSTALLED (YEAR) N/A OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) N/A

IV. PIPING INFORMATION

CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE: A U 1 SUCTION A U 2 PRESSURE A U 3 GRAVITY A U 99 OTHER UNKnown
B. CONSTRUCTION: A U 1 SINGLE WALL A U 2 DOUBLE WALL A U 3 LINED TRENCH A U 95 UNKNOWN A U 99 OTHER
C. MATERIAL AND CORROSION PROTECTION: A U 1 BARE STEEL A U 2 STAINLESS STEEL A U 3 POLYVINYL CHLORIDE (PVC) A U 4 FIBERGLASS PIPE A U 5 ALUMINUM A U 6 CONCRETE A U 7 STEEL W/ COATING A U 8 100% METHANOL COMPATIBLE W/FRP A U 9 GALVANIZED STEEL A U 10 CATHODIC PROTECTION A U 95 UNKNOWN A U 99 OTHER
D. LEAK DETECTION: ☐ 1 AUTOMATIC LINE LEAK DETECTOR ☐ 2 LINE TIGHTNESS TESTING ☐ 3 INTERSTITIAL MONITORING ☐ 99 OTHER none

V. TANK LEAK DETECTION

☐ 1 VISUAL CHECK ☐ 2 INVENTORY RECONCILIATION ☐ 3 VADOZE MONITORING ☐ 4 AUTOMATIC TANK GAUGING ☐ 5 GROUND WATER MONITORING ☐ 6 TANK TESTING ☐ 7 INTERSTITIAL MONITORING ☑ 91 NONE ☐ 95 UNKNOWN ☐ 99 OTHER

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR)	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING Empty GALLONS	3. WAS TANK FILLED WITH INERT MATERIAL ? YES ☐ NO ☑

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE) Steven L. Morrison DATE 5-6-93

LOCAL AGENCY USE ONLY

THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.#	COUNTY #	JURISDICTION #	FACILITY #	TANK #
	19	000	5385	1

PERMIT NUMBER	PERMIT APPROVED BY/DATE	PERMIT EXPIRATION DATE
61306	VB 5-6-93	

FORM B (7-91) THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.

FOR0034B-R5

H10

L.A. COUNTY DPW
DATE COMPILED: 02/22/93
RUN DATE: 05/13/93 10:24:58

HAZARDOUS MATERIALS SYSTEM
TANKS INSPECTION JOB ORDER
CLOSURE BY REMOVAL

REPORT: HMR050.002
INSP#: I000061774
ASSC#: A000061306
PAGE: 1

FILE #: 005186-005385 NAME: AIR PRODUCTS MFG CORP
ADD: 23320 S ALAMEDA ST
CARSON, CA 90810 AREA: 22 SMD: 95
XSTREET: SEPULVEDA THOMAS GUIDE: 0074-D1
CONTACT: MANGAS, JOHN TEL: 213 643 8691

PROC: SAMPLE REQUIRED? N SAMPLE #: _____

INSP INFO: CLOSURE OF 1-6K CASTIC WATER TANK ON 05/18/93 AT 12PM
IT CORPORATION (310) 830-1781 - JEFF PETERSON

PERM TYPE: T 0 TANK OPERATING PERMIT # OF TANKS: 1 STATUS: PERMI

	FREQUENCY	LAST PERFORMED	NEXT DUE
INSPECTION	36		05/05/94
SAMPLE			
SELF-MONITOR			

ASSGN TO: CENTINELA VALLEY FIELD OFFICE SECT: FIELD INSPECTION UNIT

TANK #	OWNER TANK ID #	CAPACITY (GAL)	CONTENTS
001	28.70	6,000	HAZARDOUS
CON:	SINGLE WALLED	LDS:	INVENTORY RECONCILIATION

==========

RESULTS: Mr Jim Stapleton, IT Corporation, project manager and geologist for this site project, said over telephone conversation this morning that this site's closure reports were submitted to central office, Alhambra about one and half (1½) months ago.

REMARKS: Air Products employees have no information on tanks. For further information on tank(s) contact David Drown (215/481-6143)

INSPECTOR: I. Azie INSPECTION DATE: 11-2-93

DISP: _____

JB

David P. Drown, P.E.
Project Management

AIR PRODUCTS

Process Systems Group
Air Products and Chemicals, Inc.
7201 Hamilton Boulevard
Allentown, PA 18195-1501
Telephone (215) 481-6143
Telecopy (215) [redacted] 481-3099
Telex 847416

Paul Buelow, Plant Manager
310/518-0430

Air Product MFG Corp. File 5385-22

The initial Closure report and following site investigation are missing from file. I called James stapleton of IT Corp at 310-830-1781 on 8-17-93 and asked him to send us copy of inital closure report & site Investigation.

S.A 8-17-93

005186-005385

Air Products and Chemicals, Inc.
7201 Hamilton Boulevard
Allentown, PA 18195-1501

Telephone (610) 481-4911
Telex: 847416

AIR PRODUCTS

Clup 77969 ND OTHR

27 April 1995

RECEIVED
MAY - 2 1995
DEPARTMENT OF PUBLIC WORKS
WASTE MANAGEMENT DIVISION

C133756

Mr. Keith Elliot
Regional Water Quality Control Board
101 Centre Plaza Drive
Monterey Park, CA 91754-2156

Re: Request For Regional Water Quality Control Board (RWQCB) Written Determination Of Underground Storage Tank Closure Status.
Air Products And Chemicals, Inc., 23320 S. Alameda St., Carson, CA 90810

Dear Sir:

As mentioned in my 18 November 1994 letter, Air Products and Chemicals, Inc. (Air Products) would like to return a portion of the above referenced leased property to ARCO Products Company (ARCO). In order to do so, Air Products must address ARCO's environmental concerns related to Air Products past use of the property. One of ARCO's concerns is that Air Products lacks documentation of final approval from the Los Angeles Department Of Public Works (LADPW) for proper underground storage tank removal/closure for three tanks. Since LADPW is only willing to grant closure for the entire site and is unwilling to do so at this time due to an ongoing remediation project, Air Products is unable to provide ARCO with the requested LADPW final closure approval. In light of this, ARCO would like a written determination from the Regional Water Control Board regarding the status of the three underground tanks that were removed.

ARCO's Dean Kirk informed me that you would like a copy of the report I sent to John Lewis of your office before making your determination. This report describes the soil contamination discovered in our hydrogen purification area. This contamination is not related to the three tanks that were removed from the portion of property that we now wish to return. Given the character of the contamination and the surface spill extent, it also does not appear to be related to two additional underground tanks that were removed from our purification area. All indications lead us to a contamination source of a past, aboveground, hydrocarbon condensate tank. We are about to commission a soil vapor extraction system to remove these hydrocarbons from the purification area.

Please review the enclosed report and issue me a letter regarding the RWQCB determination of the closure status of tanks # LD-IGD-1, LD-IGD-2, and 28.5. Keep in mind that this report and the hydrogen purification area is unrelated to the subject area to be returned and its three removed underground tanks. If you would like to discuss this with me, please call me at (610) 481-8867. My contact at ARCO has been Dean Kirk (310) 816-8421 and my contact at the LADPW has been Mohammed Farzan (818) 458-3980.

I would greatly appreciate your speedy response to this request to:

Robert Swigart
Air Products And Chemicals, Inc.
7201 Hamilton Boulevard
Allentown, PA 18195-1501

Sincerely,

Robert J. Swigart
Principal Environmental Coordinator
GEG Environmental, Health & Safety

RJS/sab/lbrwqcb2
enclosure

c: Dean Kirk*
ARCO Products Company
Los Angeles Refinery
Box 6210
Carson, CA 90749-6210

Mohammed Farzan*
Los Angeles Dept. of Public Works
P.O. Box 1460
Alhambra, CA 91802-1460

John Lewis*
Regional Water Quality Control Board
101 Centre Plaza Drive
Monterey Park, CA 91754-2156

*Letter only

Responsible Care®
A Public Commitment

005186 - 005385 (wash)

STATE OF CALIFORNIA—ENVIRONMENTAL PROTECTION AGENCY PETE WILSON, *Governor*

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION
101 CENTRE PLAZA DRIVE
MONTEREY PARK, CA 91754-2156
(213) 266-7500
FAX: (213) 266-7600

RECEIVED
SEP 25 1995
DEPARTMENT OF PUBLIC WORKS
WASTE MANAGEMENT DIVISION

C 14623

September 21, 1995

Mr. Robert J. Swigart
Air Products and Chemicals, Inc.
7201 Hamilton Boulevard
Allentown, PA 18195-1501

AIR PRODUCTS MANUFACTURING CORP. - 23320 SOUTH ALAMEDA STREET, CARSON (FILE NO. 95-089)

We reference your letter of April 27, 1995, and supporting documents requesting closure of underground tank locations LD-IGD-1, LD-IGD-2, and 28.5 at the subject site. The depth to first ground water at the subject site is about 30 feet below ground surface (bgs) and the depth of the underlying Gage aquifer is about 75 feet bgs.

Following are our determinations from reviewing your submittal:

1. Petroleum hydrocarbon soil contamination was identified:

   a. In the underground tank locations LD-IGD-1 and LD-IGD-2. The soil contamination was below the screening levels established in the Interim Site Assessment and Cleanup Guidebook, February 1995;

   b. In the southeastern half of the site, near the former underground tank 28.5. After removal and remediation of the underground tank No. 28.91, about 410 cubic yards of soil with up to 9,590 mg/kg TPH contamination were disposed where the former underground tank 28.5 was located;

   c. In the northern half of the site at the southeastern edge of the former vessel repair shop (up to 11,900 mg/kg TRPH, 167 mg/kg TPH gasoline, 9,880 mg/kg TRPH diesel, and 5 µg/kg benzene);

   d. In the former specialty gas plant area (up to 71,500 mg/kg TRPH, 19 mg/kg benzene, and 450 mg/kg toluene); and

   e. Along the western property line (up to 35,400 mg/kg TRPH, 7,170 mg/kg TPH gasoline, 50,400 mg/kg TPH diesel, 17.4 mg/kg benzene, 10.9 mg/kg toluene, 9.68 mg/kg ethylbenzene, 24.1 mg/kg xylene).

2. Also, a report by IT Corporation, dated August 12, 1993, indicated that the CAM-WET analytical results for arsenic in

L 71969

sample C-6 was 22 mg/ℓ. This exceeds the STLC for arsenic of 5 mg/ℓ. The report indicates that the portion of the berm near sample C-6 was removed but did not report any confirmation samples.

Based upon the information submitted we have determined that no further action is required for the underground tank locations LD-IGD-1 and LDIGD-2. However, before sign-off of underground tank location 28.5, we require that confirmation samples be collected in the area where the 410 cubic yards of soil containing up to 9,590 mg/kg TRPH was disposed.

In addition, the following is required:

1. Remediate the petroleum-hydrocarbon soil contamination in the northern half of the site - specifically at the southeastern edge of the repair shop, in the Specialty Gas Plant area, and along the western property line.

2. Collect confirmation samples from the cinder block berm noted in determination 2, above, and analyze for arsenic.

Submit a work plan to this Regional Board by October 31, 1995, addressing the two requirements, above. Please call Keith Elliott at (213) 266-7614 if you have any questions.

J.E. ROSS, Unit Chief
Site Cleanup Unit

cc: Mr. Mahammad Farzan, Los Angeles County Department of Public Works - Waste Management Division
Mr. Dean Kirk, Arco Los Angeles Refinery

005186-005385

STATE OF CALIFORNIA - CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY

PETE WILSON, *Governor*

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION
101 CENTRE PLAZA DRIVE
MONTEREY PARK, CA 91754-2156
(213) 266-7500
FAX: (213) 266-7600

November 9, 1995

C 148782

Mr. Robert J. Swigart
Air Products and Chemicals, Inc.
7201 Hamilton Boulevard
Allentown, PA 18195-1501

AIR PRODUCTS MANUFACTURING CORP. - 23320 SOUTH ALAMEDA STREET, CARSON (FILE NO. 100.315)

We reference your letter of October 26, 1995, responding to our letter dated September 21, 1995, and requesting closure of the underground tank No. 28.5. Based upon the information provided, the following are our determinations:

1. Your letter indicates that soil sample S5 (ND for STLC arsenic), located underneath concrete sample C6, was collected and analyzed to confirm that the contamination identified in sample C6 (22 mg/kg for STLC arsenic) was removed. The confirmation sample requested in our September 21, 1995, letter is no longer required.

2. Total petroleum hydrocarbon (TPH) up to 210 mg/kg was identified in soil samples collected from underground tank No. 28.5. This contamination is below our screening levels for site remediation, therefore, no further action is required regarding this underground tank.

3. After removal and remediation of the underground tank No. 28.91, about 410 cubic yards of soil with up to 7,400 mg/kg TPH, possibly weathered crude oil, was disposed towards the eastern border of the property at an unknown location. The disposal location of this contaminated soil must be located before closure of underground tank No, 28.1, and final site closure may be granted.

4. We will place in abeyance the requirement for additional investigation and remediation of the facility pending completion of the current soil vapor extraction system remediation activities. However, prior to site closure, ARCO and Air Products must provide sufficient evidence showing that site activities have not contributed to the petroleum-hydrocarbon contaminants identified in site soils out-side the influence of the vapor extraction system.

In addition, your letter requested citing information regarding benzene and toluene soil contamination in the former specialty gas plant area. The report of the closure of the spent caustic tank, dated September 1, 1993, identified up to 91 mg/kg benzene, 450 mg/kg toluene, 320 mg/kg xylene, 57 mg/kg ethylbenzene, and 3,540 mg/kg TPH in site soils. However, we acknowledge that a soil vapor extraction system is present at the site to remediate these contaminants.

L77969

Submit a work plan to collect confirmation samples and perform the above required investigation 30 days prior to completion of the vapor extraction activities at the site. Please call Keith Elliott at (213) 266-7614 if you have any questions.

J.E. ROSS, Unit Chief
Site Cleanup Unit

cc: Mr. Mahammad Farzan, Los Angeles County Department of Public Works - Waste Management Division
Mr. Dean Kirk, Arco Los Angeles Refinery

Last saved by: LILIANAGEORGETA.CROI (2021-07-08) Last Plotted: 2020-10-13 Project Management Initials: Designer: GFI Checked: PS Approved: -- ANSI B 11" x 17"
Filename: C:\USERS\LILIANAGEORGETA.CROI\AECOM DIRECTORY\GDS GIS SERVICES - GIS CAD PROJECTS\DCS AMERICAS\CENTRAL REGION US\MARATHON\60649481 CARSON REFINERY\20210615\CARSON\FIG 7-1_LNAPL REC SYSTEM_B1.MXD

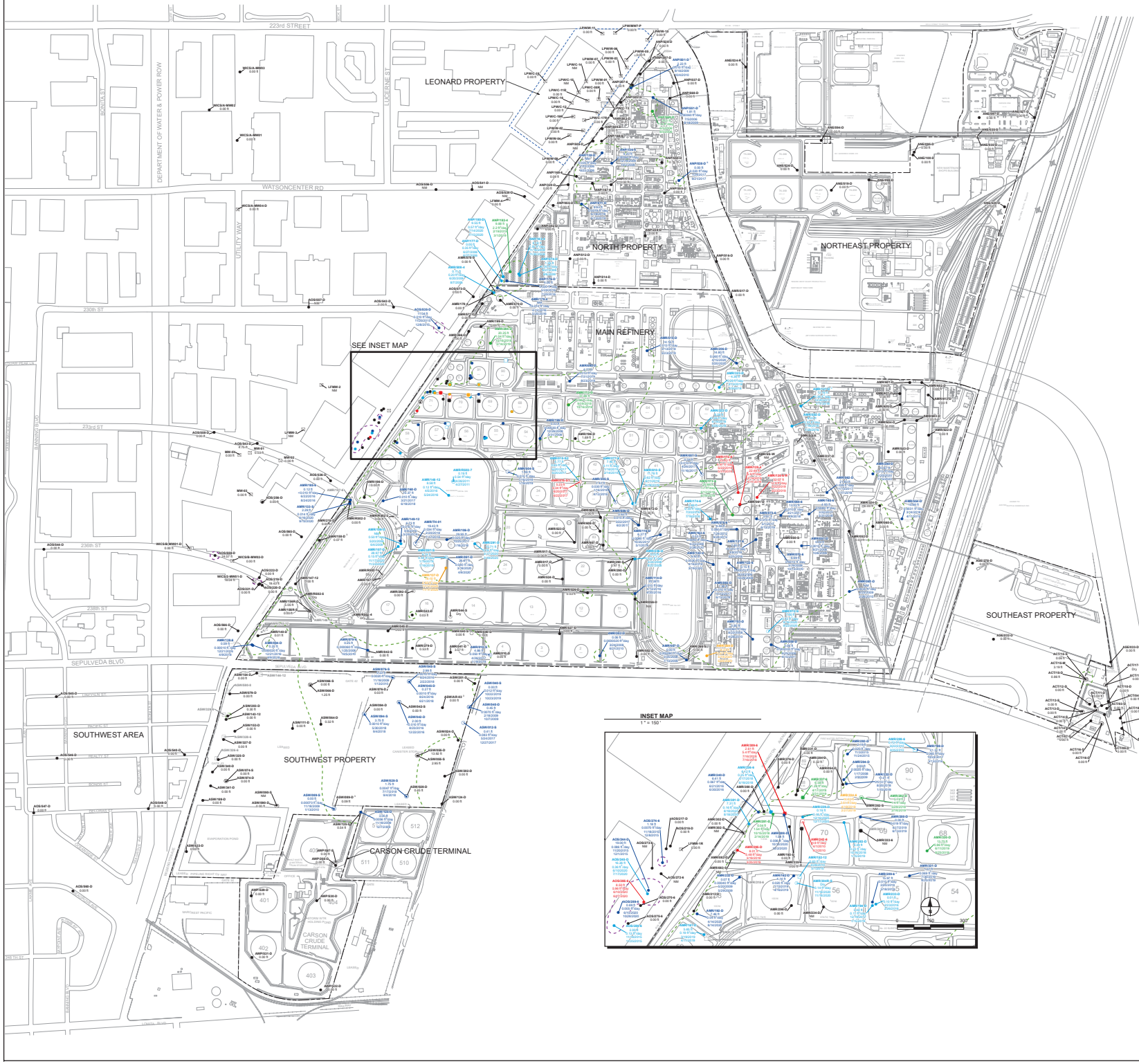


Refinery Subsurface Cleanup Progress Report
Tesoro Los Angeles Refinery - Carson Operations
Carson, California
Project No.: 60649481 Date: 2021-08-13

LNAPL Recovery Systems
Spring 2021

AECOM

Figure: 7-1



LEGEND

SINGLE MONITORING WELLS

- PERCHED ZONE - MONITORING WELL
- WATER TABLE AQUIFER - MONITORING WELL

NESTED MONITORING WELLS

- PERCHED ZONE/WATER TABLE AQUIFER - DUAL-NESTED MONITORING WELLS
- PERCHED ZONE/WATER TABLE AQUIFER - TRIPLE-NESTED MONITORING WELLS
- WATER TABLE/UPPER GAGE AQUIFERS - DUAL-NESTED MONITORING WELLS

MULTI PHASE EXTRACTION WELLS

- WATER TABLE AQUIFER - ACTIVE LNAPL RECOVERY WELL

RECOVERY WELLS

- WATER TABLE AQUIFER - ACTIVE RECOVERY WELL
- LOWER WATER TABLE/UPPER GAGE AQUIFERS - ACTIVE RECOVERY WELL

NON-TESORO WELLS

- WATER TABLE AQUIFER - NON-TESORO WELL

OTHER WELLS

- SHALLOW RECOVERY SUMP

AVERAGE LNAPL TRANSMISSIVITY VALUES (WELL SYMBOL COLOR CODES)

- < 0.1 ft²/day
- ≥ 0.1 ft²/day
- ≥ 0.6 ft²/day
- ≥ 2.5 ft²/day
- ≥ 4.5 ft²/day

- INFERRED LNAPL EXTENT IN WATER TABLE
- INFERRED LNAPL EXTENT IN WATER TABLE - WATSON INDUSTRIAL CENTER SOUTH (LARWQCB No. 0475A)
- LEONARD PROPERTY BOUNDARY

NOTES

1. LNAPL thickness measurements shown in feet.
2. Values shown represent the average LNAPL transmissivity acquired from pumping data .
3. LNAPL baildown test recovery in progress
4. Evaluation of alternative LNAPL remediation options currently underway.
5. LNAPL extent is based on current gauging data and supported with historic gauging data and LIF boring C urrent g ug ng data were collected during spring 2
6. Baildown tests can run for extended periods of time (e.g., days to years). This applies to transmissivity values obtained from recovery well data, baildown test data and vacuum truck data. Date ranges for transmissivity values represent the baildown start date to the latest data point for a given test.
7. LNAPL transmissivity values were calculated using the following methods: Bouwer and Rice (1976), Cooper-Jacob (1946), and Cooper, Bredehoeft and Papadopulos (1967). Transm w s y val es from confi ed aq fers were cal ul ted usi g a mod fi d Bouwer and Rice method. Transmissivity values shown represent an average of valid test results.
8. Oil water interface unable to be determined with multiple probes; bailer confirmed LNAPL presence.
9. Wellhead of ANP/501-D was modified with a solid PVC access port extending below potentiometric surface for the 2017 Biosparge Pilot Study. Measured LNAPL thickness is not representative.
10. Grayed wells are active recovery wells; included for reference only.
11. Water was not detected in AMR/304R-S, ASW/055-S, ASW/094-S and ASW/125-S, LNAPL thickness is relative to air/oil interface and measured well bottom.
12. Gauging data for wells AOS/218-D, AOS/219-D, AOS/220-D, AOS/221-D, AOS/222-D, AOS/2 -D, AOS/2 D, AOS/2 6 AOS/2 6, AOS/2 6 AOS/2 6 AOS/2 6 AOS/2 6 AOS/2 6 -6, AOS/2 6 AOS/2 9 6 AOS/2 D, AOS/5 D, AOS/5 D, AOS/5 2 D, AOS/544-D, AOS/545-D, AOS/556-D, AOS/557-D, AOS/559-D, AOS/565-D, AOS/566-D, AOS/573-D, MW-01, MW-02, MW-03, MW-04, WCS/A-MW01-D, WCS/A-MW01, WCS/A-MW02, WCS/A-MW03, WCS/A-MW04-D, WCS/B-MW01-D, WCS/B-MW02-D, LFMW-1R, LFMW-2, LFMW-3 and LFMW-4 were collected by Geosyntec for Watson Industrial Center Site, Carson, CA between April 5 and 10, 2021.
13. Gauging data for wells LPW/C-08R, LPW/C-11R, LPW/C-12, LPW/C-13, LPW/C-14, LPW/C-15, LPW/C-16, LPW/C-17R, LPW/C-18 and LPW/C-19R were collected by Arcadis for Chevron Site No 2 2 2 Carson, CA on June 2 2

fi feet
ft²/day square feet per day
LNAPL g ght non-aqueous phase ui uid
NM well not gauged

AMR/348-D — Well ID
171.5 — LNAPL Thickness this monitoring period
0.067 ft²/day — LNAPL Tn (ft²/day)
6/21/2016
6/30/2016 — LNAPL baildown testing start and end date

Refinery Subsurface Cleanup Progress Report
Tesoro Los Angeles Refinery - Carson Operations
Carson, California
Project No.:60649481 DATE: 2021-08-13

LNAPL Extent, Thickness, and Transmissivity Map
Spring 2021

AECOM
Plate: 8-1

LAST SAVED BY LILIANA.GEORGIEVA, ORCV (2021-07-23) LAST PLOTTED: 2021-07-23
FILENAME: C:\USERS\LILIANA.GEORGIEVA.ORCV\ACCDM.COM\DIRECTORY\2016 GIS SERVICES - GIS CAD PROJECTS\DOCS AMER\OAS\CENTRAL REGION\USW\MARATHON\60649481\CARSON\RETNEW\RY07.08.2021\02 WORKS\PLATE 8-1_LNAPL EXTENT & TN\MAP_E1.MXD
Project Management Initials: Designer: SM Checked: DB Approved: FM ANSI E 34" x 44"

Montrose & Del Amo Superfund Sites Site Update Fact Sheet

U.S. Environmental Protection Agency • Region 9 • San Francisco, CA • Fall 2019

In This Issue

Montrose and Del Amo Superfund Site History 1
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Soil Cleanup Work at the Del Amo Site 4
Five Year Review 4
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Cleaning Up Groundwater at the Montrose and Del Amo Sites 5
Soil Gas Investigation at the JCI Jones Portion of the Montrose Site 6
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Montrose and Del Amo Superfund Site History

The Montrose Chemical Corporation Superfund site ("Montrose site") includes the location of a former dichloro-diphenyltrichloroethane (DDT) manufacturing plant. The plant made the chemical from 1947 to 1982. In 1989, EPA included the Montrose site as part of its Superfund cleanup program. DDT manufacturing work had severely contaminated (polluted) the soil and groundwater beneath and nearby the former plant property.

The Del Amo Superfund site ("Del Amo site") is made up of three former manufacturing plants built to support World War II efforts. The former Del Amo facility is east of the former Montrose plant property. In 2002, EPA included the Del Amo site as part of its Superfund cleanup program. The Del Amo site, like the Montrose site, also had contaminated soil and groundwater beneath and nearby the former facility. Groundwater contamination from both sites has mixed. As such, EPA is managing the cleanup of the groundwater contamination at both sites as one project.

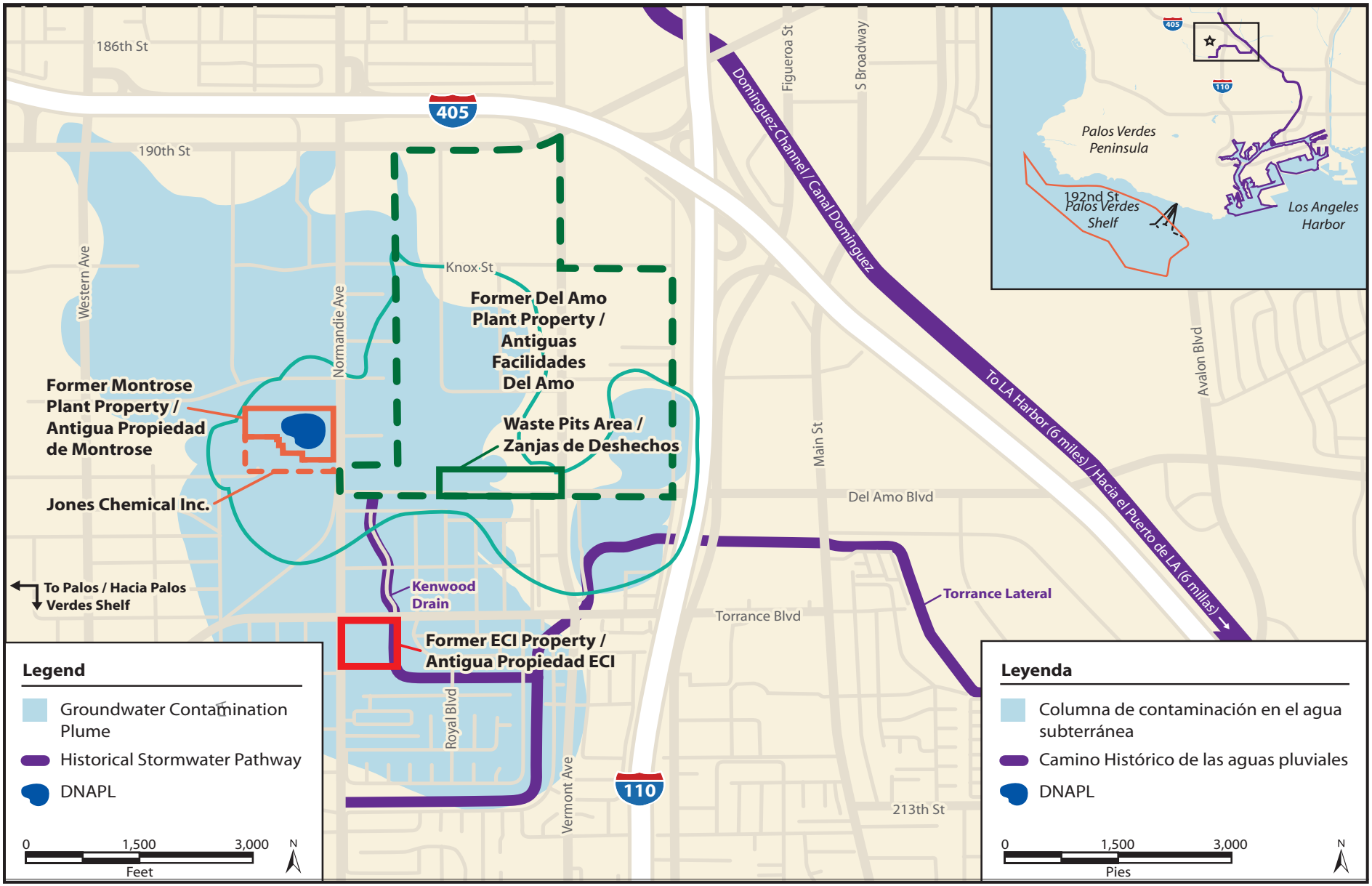
What is a Superfund Site?

In 1980, Congress passed the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), commonly called the "Superfund law." This law was passed in response to public concern about health and environmental risks from hazardous waste sites. This law allows EPA to clean up certain hazardous waste sites and requires companies responsible for the contamination to pay for or do the cleanup. Other types of pollution are handled by other environmental laws.

This fact sheet gives the latest information on EPA's work to clean up both Superfund sites and opportunities for you to learn more about the cleanup and engage with EPA.

Site Map: Montrose and Del Amo Superfund Sites

Harbor Gateway, Los Angeles County, CA / Harbor Gateway, condado de Los Angeles, CA



Commercial Building Indoor Air Investigation at the Del Amo Site

Background

Vapor intrusion is the process where certain chemicals underground volatilize (evaporate) and move into the indoor air of overlying buildings. The chemicals can enter a building by moving through cracks and/or other openings in the building's foundation. (See Figure 1 for more information on vapor intrusion.) As a follow-up to the Del Amo site's 2015 Five-Year Review—a report done every five years to ensure EPA's cleanup plan continues to protect public health—EPA evaluated historic soil vapor data to see if vapor intrusion should be investigated. EPA found vapor intrusion investigations were needed at nine commercial buildings.

In September 2017 and March 2018, Shell Oil Company (Shell), under EPA oversight, sampled soil-gas, indoor and/or outdoor air at two buildings on the Del Amo site—the Coca-Cola building and the LSC Communications (formerly, RR Donnelly) building. (Sampling is done over multiple seasons to ensure results are accurate under all indoor conditions.)

The sampling showed there were no health risks from vapor intrusion at the Coca-Cola or LSC buildings.

The other responsible companies for cleaning up contamination at Del Amo site developed a sampling plan for nine additional buildings. Following EPA's approval, the companies sampled air beneath the buildings in October 2019. EPA is currently evaluating the results and a second sampling event is being scheduled.

Sampling will be scheduled for the additional buildings.

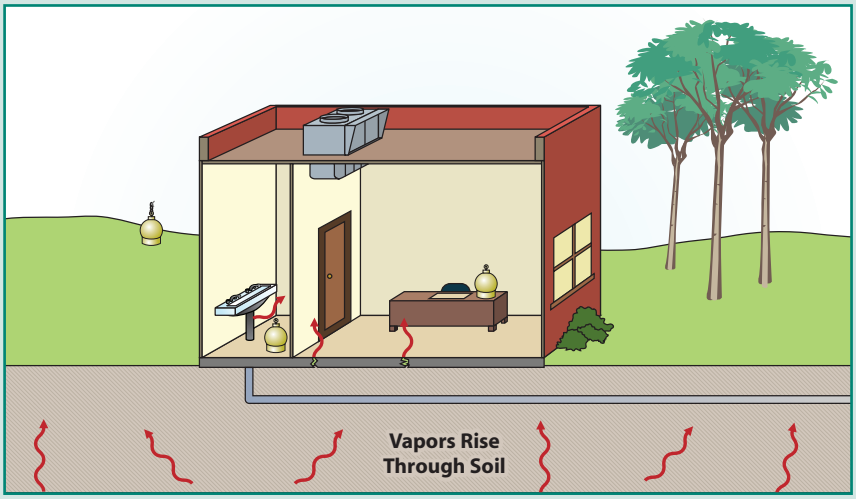


Figure 1: This figure shows how certain chemicals can volatilize (evaporate) and move into indoor air of overlying buildings through cracks and other openings in the building's foundation. The arrows show how these chemicals move into buildings above ground.



Figure 2: The location of the Coca-Cola and LSC Communications buildings.

Soil Cleanup Work at the Del Amo Site

In late 2018, Shell completed a soil cleanup pilot study at the Coca-Cola property, under EPA oversight. The goal of the pilot study was to see if a soil vapor extraction (SVE) system would effectively clean up the soil. This pilot study was important because its results would help EPA create a final cleanup plan for this portion of the site.

SVE works by heating up the chemicals underground. This heating causes the chemicals to volatilize (evaporate). The SVE system then captures all chemical vapors and treats them. Results from the pilot study showed an SVE system would effectively remove contaminants while protecting property workers and nearby residents.

EPA hosted the SVE pilot study community open house in September 2019.



EPA Remedial Project Manager, Tu Nguyen, speaking with community members at the September 2019 SVE meeting.

Five-Year Review

EPA is doing a Five-Year Review for cleanup work at the Montrose and Del Amo sites, respectively. According to the Superfund law, EPA is required to review its cleanup plan, or "remedy," every five years if either the cleanup takes more than five years to complete or if hazardous waste remains on site.

The last Five-Year Review for the Del Amo site, done in 2015, found there was insufficient information to say the soil and NAPL cleanup plans (or "remedies") were protective of human health and the environment. EPA could not say they were protective due to the potential for vapor intrusion at the Del Amo site. As described above, EPA has since done studies on vapor intrusion, which showed there are no health risks from vapor intrusion at the Coca-Cola or LSC buildings, and it has plans to study the remaining buildings. The last Five-Year Review also found the remedy at the "Waste Pits" portion of the Del Amo site was protective of human health and the environment.

The first Five-Year Review for the Montrose and Del Amo groundwater remedy, also done in 2015, found the remedy protected human health and the environment in the short-term. However, to ensure the remedy is protective for the long-term, the Five-Year Review identified numerous issues for EPA to evaluate.

What Is Included in a Five-Year Review?

Five-Year Reviews include:

- an inspection of the site and cleanup technologies;
- review of monitoring data, operating data, and maintenance records; and
- a check for any new relevant regulatory requirements (such as new state or local laws) that have been established since EPA made its original cleanup decision.

EPA Wants to Hear from You!

EPA is doing interviews with community members as part of the Five-Year Review. We want to hear your thoughts on the site cleanup and better understand your concerns and needs. All responses are confidential to EPA, and if you would like to be interviewed, please contact Yarissa Martinez, Remedial Project Manager, to share your thoughts on the groundwater remedy, or Tu Nguyen, Remedial Project Manager, to share your thoughts on the Del Amo remedy. (*Contact information at the end of this fact sheet.*)

A report on Five-Year Review will be completed no later than September 30, 2021. EPA will post a copy of the report on the sites' webpages.

Using Electrical Resistance Heating (ERH) to Clean Up Dense Non-Aqueous Phase Liquid (DNAPL) at the Montrose Site



Electric Resistance Heating pilot study system on the Former Montrose property.

The DNAPL Electrical Resistance Heating (ERH) pilot study—done by Montrose under EPA oversight—ran from January to April 2019. EPA reviewed and provided comments on the final report on the results of this study. Once final, the report will be posted to the sites' webpages in the next few months.

As mentioned, EPA will be working on a final cleanup plan (called a "Record of Decision" [ROD]) for the DNAPL, which is expected to be complete in Fall 2020.

Cleaning Up Groundwater at the Montrose and Del Amo Sites

Site-Wide Groundwater Sampling Event

On September 4, 2019, the sixth-annual dual-site groundwater sampling event was held at more than 500 wells in the area. On this day, the companies responsible for cleaning up groundwater contaminated by the Montrose and Del Amo Superfund sites measured groundwater levels and analyzed groundwater. Results from this sampling event are being analyzed. Once the analysis is complete, results will be included in a report that will be posted on the sites' webpages.

How does the ERH technology work?

The technology uses electricity through long metallic rods, called "electrodes," installed underground throughout the property. The rods heat the underground soil and vaporize the contaminants. The system collects the vapor through an underground network of vacuum wells and moves it to an above-ground treatment system. Air sampling instruments monitored air quality during the pilot study near the former Montrose property to ensure the system was working properly. No air quality issues were found during the pilot study.

What is Non-Aqueous Phase Liquid (NAPL) and Dense Non-Aqueous Phase Liquid (DNAPL)?

A mixture of concentrated chemicals that does not easily dissolve in water is called NAPL by scientists. In general, NAPL and water do not mix (i.e., like oil and water), making it difficult to remove NAPL. Sometimes, NAPL is made of chemicals heavier than water (and, therefore, would sink in water). This variety of NAPL is referred to as Dense Non-Aqueous Phase Liquid (DNAPL).

Ground Water Fact Sheet Update

The latest groundwater cleanup factsheet is posted on the homepage for both websites This factsheet includes a complete description of the treatment system, information on how we will continue treating groundwater.

Soil Gas Investigation at the JCI Jones Portion of the Montrose Site

Under EPA oversight, Jones Chemical Company (Jones) developed a soil-gas monitoring plan to: (1) understand how VOCs are behaving underground; and (2) to see where the chemicals are traveling and at what concentrations. Work under the plan started in December 2018 and should be completed by Summer 2020, with a final report by Fall 2020. Preliminary data shows concentrations are not above EPA's screening levels and is moving to the west.



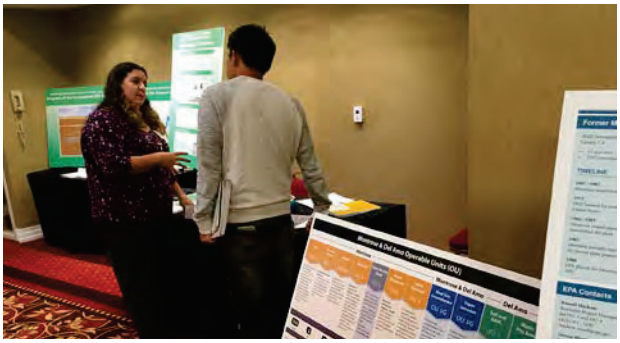
Onsite crew doing soil gas sampling.

Get Involved!

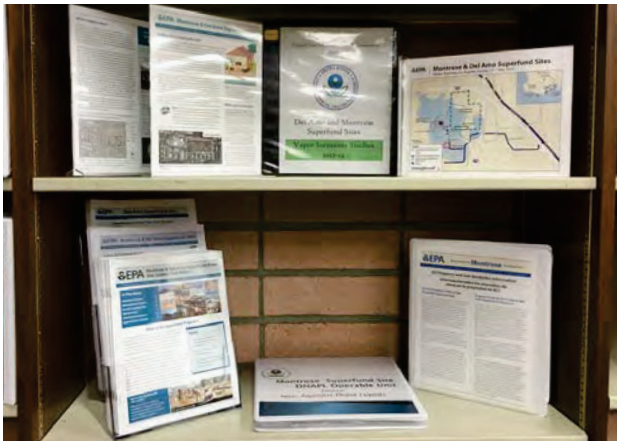
EPA commits to sending email updates on cleanup work every quarter to interested stakeholders. You can sign-up for the Del Amo & Montrose Superfund sites email distribution by clicking on the link in the *bottom-right corner of both websites.*



Community Involvement Plan



EPA representative speaks with community members at a public meeting.



Informational material on Sites at the Carson Public Library in Carson.

EPA is close to finishing its revision of the Montrose and Del Amo Community Involvement Plan (CIP). Because the Montrose and Del Amo Superfund sites impact the same community, EPA is preparing one CIP for community involvement and outreach. The CIP is a strategy unique to the sites and is intended to allow for meaningful community involvement throughout the Superfund cleanup process.

EPA plans to issue the final CIP online and in the local information repositories in early 2020.

How Do I Get More Information?

EPA Contact

Romie Duarte (hispanohablante)
Community Involvement Coordinator
(213) 244 – 1801 | *duarte.romie@epa.gov*

Yarissa Martinez (hispanohablante)
Remedial Project Manager
(213) 244 – 1806 | *martinez.yarissa@epa.gov*

Information Repositories

An information repository is placed near a Superfund site and contains documents, reports, and letters about site cleanup activities.

Carson Public Library
151 East Carson Street
Carson, CA 90745
(310) 830 – 0901

Katy Geissert Civic Center Library
3301 Torrance Boulevard
Torrance, CA 90503
(310) 618 – 5959

Websites

Del Amo: **http://www.epa.gov/superfund/delamo**
Montrose: **http://www.epa.gov/superfund/montrose**

United States Environmental Protection Agency, Region 9
75 Hawthorne Street (OPA-2)
San Francisco, CA 94105
Attn: Romie Duarte (Montrose/Del Amo 12/19)

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Sitios Superfund Montrose & Del Amo Superfund Sites

Join Us!
¡Acompáñenos!

Community "Open House" Event
Reunion Informativa para la Comunidad

Thursday, December 5, 2019
jueves 5 de diciembre, 2019
4:30 p.m. – 7:30 p.m.

Holiday Inn Los Angeles Gateway-Torrance
19800 S Vermont Ave,
Torrance, CA 90502



Mobile Information Center
Centro de Información Móvil

EPA will be hosting a mobile information center (MIC) December 6 – 7, 2019. At the MIC, the public is invited to speak with EPA staff and see documents covering recent work and the history of cleaning up the Del Amo and Montrose sites. / *EPA tendrá un repositorio de información móvil el 6 y 7 de diciembre. En la EPA, se invita al público a hablar con el personal de la EPA y ver los documentos que cubren la historia de los sitios de Del Amo y Montrose.*

Friday, December 6, 2019
viernes 6 de diciembre, 2019
9:00 a.m. – 12:00 p.m.

At the corner of /
En la esquina de
Del Amo Blvd & Denker Ave.

Friday, December 6, 2019
viernes 6 de diciembre, 2019
2:00 p.m. – 5:00 p.m.

Saturday, December 7, 2019
sábado 7 de diciembre, 2019
9:00 a.m. – 12:00 p.m.

At the corner of / *En la esquina de*
W. 204th Street and Budlong Avenue
Torrance, CA 90502

PROVISIONAL PERMIT APPLICATION SUPPLEMENT
HAZARDOUS MATERIALS UNDERGROUND STORAGE
COUNTY OF LOS ANGELES, DEPARTMENT OF PUBLIC WORKS
ENGINEERING SERVICES DIVISION
2250 ALCAZAR STREET LOS ANGELES, CA 90033

RECEIVED
MAY 5 1986
DEPARTMENT OF PUBLIC WORKS
ENGINEERING SERVICES DIVISION

DUE DATE MAY 02 1986

FILE NO 5385
PERMIT NO 3293
R/C CODE 22
SIC CODE
STATE ID# 3098
TGC TGC

THIS FORM MUST ACCOMPANY ALL HMUSP APPLICATIONS
*****See instructions on back of this form*****

IF NO UNDERGROUND TANKS AT THIS FACILITY, GO TO PARTS F & G

03098
(A) AIR PRODUCTS AND CHEMICALS
23320 SOUTH ALAMEDA STREET
LONG BEACH CA 90810

RE: 23320 SOUTH ALAMEDA STREET
LONG BEACH 5385-22

(B) APPLICATION FOR (CHECK ONE ONLY):

EXISTING TANKS	[X]
NEW CONSTRUCTION	[ ]
REPAIR*[ ] MODIFICATION*	[ ]
ADDITIONAL INSTALLATION*	[ ]
CHANGE OF MATERIAL STORED*	[ ]

*ADDITIONAL APPROVAL

(C) ASSESSOR PARCEL IDENTIFICATION (OBTAIN FROM PROPERTY TAX BILL):

MAP BOOK NUMBER_____ PAGE NUMBER_____ PARCEL NUMBER_____

(D) THIS SUPPLEMENT MUST BE ACCOMPANIED BY:

EXISTING TANK APPLICATIONS

* STATE PERMIT APPLICATION FORM(S) FOR EACH CONTAINER, OR	[X]
COPIES OF H.S.S.S. AS FILED WITH STATE (FOR EACH CONTAINER)	[ ]
* A STATEMENT VERIFYING SAFE STORAGE FOR EACH CONTAINER	[ ]
* HMUSP APPLICATION FEE (COMPLETE PART E)	[X]

NEW CONSTRUCTION APPLICATIONS

* STATE PERMIT APPLICATION FORM(S) FOR EACH CONTAINER	[ ]
* FOUR (4) SETS OF CONSTRUCTION PLANS AND SPECIFICATIONS	[ ]
* HMUSP APPLICATION FEE (COMPLETE PART E)	[ ]

(E) HAZARDOUS MATERIALS UNDERGROUND STORAGE PERMIT (HMUSP) FEE SCHEDULE

NUMBER OF TANKS AT FACILITY: 5

NUMBER OF TANKS:	HMUSP APPLICATION FEE	+	STATE SURCHARGE	=	TOTAL FEES DUE
1 - 5	$76	+	$56 PER TANK	=	356.00
6 - 20	$152	+	$56 PER TANK	=	
21 OR MORE	$228	+	$56 PER TANK	=	
ADDITIONAL APPROVALS	$38 EACH TANK		NONE	=	

EXAMPLE: 6 TANKS = $152 + 6($56) = $488 = TOTAL FEES DUE
MAKE CHECKS PAYABLE TO "L. A. COUNTY DEPARTMENT OF PUBLIC WORKS"

(F) TO BE FILLED OUT BY PERSONS CLAIMING AN EXEMPTION TO REGULATION

[ ] THERE ARE NO UNDERGROUND STORAGE TANKS WITHIN THIS FACILITY.
[ ] FINAL INTERCEPTOR(S) REGULATED UNDER INDUSTRIAL WASTE PERMIT #_____.
[ ] UNDERGROUND STORAGE TANK WITHIN THIS FACILITY IS USED ONLY FOR THE EMERGENCY SPILL CONTAINMENT FOR ABOVE GROUND STORAGE TANKS.
[ ] OTHER (ATTACH A WRITTEN STATEMENT)

(G) ALL PERSONS FILING THIS FORM MUST COMPLETE THIS SECTION:

SIGNATURE L. E. Whited TITLE Production Manager

PRINTED NAME L. E. Whited DATE 4/28/86

INSTRUCTIONS

HAZARDOUS MATERIALS UNDERGROUND STORAGE PERMIT (HMUSP)
PERMIT APPLICATION SUPPLEMENT

DO NOT USE THIS FORM FOR CLOSURE, TRANSFER OR RENEWAL OF AN EXISTING HMUSP

(A) Facility name, mailing address and facility address on new permit applications must correspond with information on Part II of the State Permit Application (SPA) form. Please correct mailing label information if affixed for an existing facility.

(B) Use a separate application supplement for each permit activity. Check the new construction box only if there are no existing tanks and no previous HMUSP has been issued for this facility. Additional approval applications must be accompanied by a description of work and four (4) sets of plans and specifications as appropriate. Additional approval requests that change data previously supplied on Parts IV through VIII of the Hazardous Substance Storage Statement (HSSS) as filed with the California Water Resources Control Board or the SPA as filed with a County of Los Angeles HMUSP application shall include an updated SPA. The container number on the updated SPA must correspond with the previous number submitted.

(C) Assessor parcel identification is required for new permit applications at existing facilities and new construction (no existing HMUSP) applications only.

(D) The information required in Part D is the minimum necessary to allow issuance of a Provisional HMUSP. When a Provisional HMUSP has been issued for a facility, the owner will be required to submit for review and approval a facility plot plan, Leak Detection Program (LDP) and a Tank Monitoring Program (TMP) to be implemented in accordance with a timetable to be included within the Provisional HMUSP as conditions and limitations. New construction plans and specifications must show the location of and include details of all containers and monitoring devices proposed. A TMP must be approved and implemented prior to the issuance of a full term HMUSP.

(E) A HMUSP application fee must accompany all applications. The state surcharge is required for first time HMUSP applications (not required for additional approvals). Specify the number of tanks at the facility.

(F) Persons that have been notified to file for a HMUSP and do not store any hazardous materials underground should check the appropriate box and return this form to avoid any unnecessary follow-up mailings.

The storage of hazardous waste in an underground tank where the specific tank is named in a hazardous waste facility permit issued by the California Department of Health Services is not subject to the HMUSP requirements. Owners of such facilities must furnish the permit number for facilities where this exclusion is requested.

Final interceptors in industrial waste pretreatment systems, catch basins, refinery pipelines, lagoons, stormdrains, oil field gathering lines, well cellars, above ground storage tank spill containment, unlined pits or sumps, and piping not directly associated with a permitted facility are not subject to a HMUSP.

(G) Existing facility and new construction HMUSP application supplements and SPA's must be signed by:

1) A principal executive officer at the level of vice-president or by an authorized representitive. The representitive must be responsible for the overall operation of the facility where the tank(s) are located.
2) A general partner proprietor.
3) A principal executive officer, ranking elected official or authorized representitive of a public agency.

Additional approval application supplements may be signed by a person under contract to and authorized by the owner/operator of a facility.

STATE ID NUMBER

APPLICATION FOR PERMIT TO OPERATE UNDERGROUND STORAGE TANK

(X) 01 NEW PERMIT ( ) 05 RENEWED PERMIT ( ) 07 TANK CLOSED ( ) 09 DELETE FROM FILE (NO FEE)
( ) 02 CONDITIONAL PERMIT ( ) 06 AMENDED PERMIT ( ) 08 MINOR CHANGE (NO SURCHARGE)

I OWNER

NAME(CORPORATION,INDIVIDUAL OR PUBLIC AGENCY)		PUBLIC AGENCY ONLY ( ) 01 FED ( ) 02 STATE ( ) 03 LOCAL	
Air Products and Chemicals, Inc.			
STREET ADDRESS	CITY	STATE	ZIP
P. O. Box 538	Allentown	PA	18105

II FACILITY

FACILITY NAME		DEALER/FOREMEN/SUPERVISOR	
Air Products - Long Beach Facility		Mr. R. L. Shadman	
STREET ADDRESS		NEAREST CROSS STREET	
23320 South Alameda Street			
CITY		COUNTY	ZIP
Long Beach		Los Angeles	90810
MAILING ADDRESS	CITY	STATE	ZIP
Same	Long Beach	CA	90810
PHONE W/AREA CODE	TYPE OF BUSINESS		
- - 213-830-5231	( ) 01 GASOLINE STATION (X) 02 OTHER		
NUMBER OF CONTAINERS	RURAL AREAS ONLY :	TOWNSHIP	RANGE	SECTION
5				

III 24 HOUR EMERGENCY CONTACT PERSON

DAYS: NAME(LAST NAME FIRST) AND PHONE W/AREA CODE	NIGHTS: NAME(LAST NAME FIRST) AND PHONE W/AREA CODE
Shadman, R. L. - - 213-830-5231	Shadman, R. L. - - 805-583-2185

COMPLETE THE FOLLOWING ON A SEPARATE FORM FOR EACH CONTAINER

IV DESCRIPTION

A. (X) 01 TANK ( ) 02 OTHER:	CONTAINER NUMBER 28.91
B. MANUFACTURER (IF APPROPRIATE): Unknown YEAR MFG: Unknown	C. YEAR INSTALLED 1962 ( ) UNKNOWN
D. CONTAINER CAPACITY: 2000 GALLONS ( ) UNKNOWN	E. DOES THE CONTAINER STORE: ( ) 01 WASTE (X) 02 PRODUCT

F. DOES THE CONTAINER STORE MOTOR VEHICLE FUEL OR WASTE OIL ? (X) 01 YES ( ) 02 NO IF YES CHECK APPROPRIATE BOX(ES):
( ) 01 UNLEADED ( ) 02 REGULAR ( ) 03 PREMIUM (X) 04 DIESEL ( ) 05 WASTE OIL ( ) 06 OTHER

V CONTAINER CONSTRUCTION

A. THICKNESS OF PRIMARY CONTAINMENT: 3/16 ( ) GAUGE (X) INCHES ( ) CM ( ) UNKNOWN

B. ( ) 01 VAULTED (LOCATED IN AN UNDERGROUND VAULT) (X) 02 NON-VAULTED ( ) 03 UNKNOWN

C. ( ) 01 DOUBLE WALLED (X) 02 SINGLE WALLED ( ) 03 LINED

D. ( ) 01 CARBON STEEL ( ) 02 STAINLESS STEEL ( ) 03 FIBERGLASS ( ) 04 POLYVINYL CHLORIDE ( ) 05 CONCRETE
( ) 06 ALUMINUM ( ) 07 STEEL CLAD ( ) 08 BRONZE ( ) 09 COMPOSITE ( ) 10 NON-METALLIC
(X) 12 UNKNOWN ( ) 13 OTHER:

STATE ID NUMBER

CONTAINER CONSTRUCTION

E. ( ) 01 RUBBER LINED ( ) 02 ALKYD LINING ( ) 03 EPOXY LINING ( ) 04 PHENOLIC LINING ( ) 05 GLASS LINING
( ) 07 UNLINED (X) 08 UNKNOWN ( ) 09 OTHER:

F. ( ) 01 POLYETHLENE WRAP ( ) 02 VINYL WRAPPING ( ) 03 CATHODIC PROTECTION (X) 04 UNKNOWN ( ) 05 NONE
( ) 06 TAR OR ASPHALT ( ) 09 OTHER:

VI PIPING

A. ABOVEGROUND PIPING: ( ) 01 DOUBLE-WALLED PIPE ( ) 02 CONCRETE-LINED TRENCH ( ) 03 GRAVITY
(CHECK APPROPRIATE BOX(ES) ( ) 04 PRESSURE ( ) 05 SUCTION ( ) 06 UNKNOWN ( ) 07 NONE

B. UNDERGROUND PIPING: ( ) 01 DOUBLE-WALLED PIPE ( ) 02 CONCRETE-LINED TRENCH ( ) 03 GRAVITY
(CHECK APPROPRIATE BOX(ES) ( ) 04 PRESSURE (X) 05 SUCTION ( ) 06 UNKNOWN ( ) 07 NONE

VII LEAK DETECTION

( ) 01 VISUAL ( ) 02 STOCK INVENTORY ( ) 04 VAPOR SNIFF WELLS ( ) 05 SENSOR INSTRUMENT
( ) 06 GROUND WATER MONITORING WELLS ( ) 07 PRESSURE TEST ( ) 09 NONE (X) 10 OTHER: Level Check

VIII CHEMICAL COMPOSITION OF MATERIALS STORED IN UNDERGROUND CONTAINERS

IF YOU CHECKED YES TO IV-F YOU ARE NOT REQUIRED TO COMPLETE THIS SECTION

CURRENTLY STORED	PREVIOUSLY STORED	DELETE	CAS# (IF KNOWN)	CHEMICAL (DO NOT USE COMMERCIAL NAME)
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		

IS CONTAINER LOCATED ON AN AGRICULTURAL FARM? ( ) 01 YES (X) 02 NO

L. E. Whited
THIS FORM HAS BEEN COMPLETED UNDER THE PENALTT OF PERJURT AND, TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT.

PERSON FILING (SIGNATURE)	PHONE W/AREA CODE
L. E. Whited	

FOR LOCAL AGENCY USE ONLY

ADMINISTRATING AGENCY	CITY CODE	COUNTY CODE
Los Angeles County Dept of Public Works		19

CONTACT PERSON	PHONE W/AREA CODE
Carl Sjoberg	(213) 226-4000

DATE OF LAST INSPECTION	IN COMPLIANCE ( ) 01 YES ( ) 02 NO	PERMIT APPROVAL DATE	TRANSACTION DATE	LOCAL PERMIT ID #

Official Registration Form

California Water Resources Control Board

Hazardous Substance Storage Statement

Who Must File: Each person storing hazardous substances in any underground container must file this form no later than July 1, 1984 (After October 1, 1984 and no later than January 1, 1985 for tanks used on farms).

Definition of Underground Containers: The law applies to "concrete sumps, nonvaulted buried tanks or other underground containers." (Water Code section 13173) All containers, including earthen walled pits, ponds, lagoons and sumps, that are below the normal ground surface level must register. A tank sitting on the ground is not included. Containers partially beneath the surface are included. Lined or unlined pits, ponds and lagoons are covered if earth has been removed from the storage area to construct the facility. Normal grading is not considered construction below ground level.

Definition of Hazardous Substance: Any substance listed in Section 6382 of the Labor Code or in Section 25316 of the Health and Safety Code. This includes: gasoline, diesel fuel, all industrial solvents, pesticides, herbicides and fumigants. If the material must be carried by a registered hauler, disposed of at a hazardous waste site, is explosive, generates pressure due to heat or decomposition or would harm humans or wildlife you must register the tank. Wastes are included.

Fee: For each tank registered a $10 fee must be paid, except that retail gasoline stations pay $5 per tank.

Penalties: For failure to file, the penalty is $500-$5,000 per day. If you falsify information, you can be fined up to $20,000 for each day the information is incorrect and has not been corrected.

Confidentiality: If you have information protected by trade secret laws, please attach a list of the information on this form that is confidential and the justification for confidentiality, including specific citations of relevant statutory and case law.

Multiple Containers: Fill I and II on one form and leave it blank on all the remaining forms. Attach all forms together securely. If you own more than 50 tanks you can file information on computer tape. Call 916/324-1262 for information.

This is not a Permit Application. All Underground Tanks will be subject to local regulation. Some jurisdictions have already begun programs. Check with your local county government for further information.

NOTE: ALL UNDERGROUND CONTAINERS MUST REGISTER EVEN IF STATE AND/OR LOCAL PERMITS ARE IN FORCE.

I Owner

Name (Corporation, Individual or Public Agency): Air Products and Chemicals, Inc.

Street Address: Box 538 | City: Allentown | State: PA | ZIP: 18105

II Facility

Facility Name: Air Products and Chemicals, Inc. | Owner, Foreman, Supervisor: Mr. Ronald L. Shadman

Street Address: 23320 South Alameda Street | Nearest Cross Street:

City: Long Beach | County: Los Angeles | ZIP: 90810

Mailing Address: Same | City: | State: | ZIP:

Phone w/ area code: (213) 830-5231 | Type of Business: ☐ 01 Motor Vehicle Fuel Station ☒ 02 Other: Industrial Gases

Number of Tanks at this Facility: 5 | Rural Areas Only: | Township: | Range: | Section:

III 24 Hour Emergency Contact Person

Days: Name (last name first) and Phone w/ area code: Shadman, R. L. (213) 830-5231

Nights: Name (last name first) and Phone w/ area code: Shadman, R. L. (805) 583-2165

COMPLETE THE FOLLOWING ON A SEPARATE FORM FOR EACH CONTAINER

IV Description

A. ☒ 01 Tank ☐ 02 Sump ☐ 03 Lagoon, Pit or Pond ☐ 04 Other: _____ | Container Number (if none, or more than one, assign one): 28.91

B. Manufacturer (if appropriate): unknown | Year of Mfg.: unknown | C. Year Installed: 1962 ☐ Unknown

D. Container Capacity: 2000 gallons ☐ Unknown | E. Container Repairs: ☒ 01 None ☐ 02 Unknown ☐ 03 Yes Year: _____

F. Is Container currently used? ☐ 01 Yes ☒ 02 No If No, year of last use: 1983 ☐ 03 Unknown

G. Does the Container Store (Check One): ☐ 01 Waste ☒ 02 Product

H. Does the Container Store Motor Vehicle Fuel or Waste Oil? ☒ 01 Yes ☐ 02 No If Yes, Check appropriate box(es):

☐ 01 Unleaded ☐ 02 Regular ☐ 03 Premium ☒ 04 Diesel ☐ 05 Waste Oil ☐ 06 Other (List): _____

V Container Construction

A. Thickness of Primary Containment: 3/16 ☐ Gauge ☒ Inches ☐ cm ☐ Unknown

B. ☐ 01 Vaulted (Located in an underground Vault.) ☒ 02 Non-vaulted ☐ 03 Unknown

C. ☐ 01 Double Walled ☒ 02 Single Walled ☐ 03 Lined ☐ 04 Wrapped ☐ 05 Unknown ☐ 06 None

D. ☐ 01 Carbon Steel ☐ 02 Stainless Steel ☐ 03 Fiberglass ☐ 04 Polyvinyl Chloride ☐ 05 Concrete ☐ 06 Aluminum

☐ 07 Steel Clad ☐ 08 Bronze ☐ 09 Composite ☐ 10 Non-metallic ☐ 11 Earthen Walls

☒ 12 Unknown ☐ 13 Other: _____

E. ☐ 01 Rubber Lined ☐ 02 Alkyd Lining ☐ 03 Epoxy Lining ☐ 04 Phenolic Lining ☐ 05 Glass Lining ☐ 06 Clay Lining

☐ 07 Unlined ☒ 08 Unknown ☐ 09 Other: _____

F ☐ 01 Polyethlene Wrap ☐ 02 Vinyl Wrapping ☐ 03 Cathodic Protection ☒ 04 Unknown ☐ 05 None ☐ 06 Other: _____

VI Piping

A. Associated Piping:	☐ 01 Above Ground	☒ 02 Underground	☐ 03 Vaulted	
B. Underground Piping:	☐ 01 Gravity	☐ 02 Pressure	☒ 03 Suction	☐ 04 Unknown
C. Piping Repairs:	☒ 01 None	☐ 02 Unknown	☐ 03 Yes, Year of most recent repair: _____	

VII Leak Detection

☐ 01 Visual ☐ 02 Stock Inventory ☐ 03 Tile Drain ☐ 04 Vapor Sniff Wells ☐ 05 Sensor Instrument

☐ 06 Ground Water Monitoring Wells ☐ 07 Pressure Test ☐ 08 Internal Inspection ☐ 09 None

☒ 10 Other: Level Check

VIII Chemical Composition of Materials *Currently* or *Previously* Stored in Underground Containers

If you checked yes to IV-H you are not required to complete this section.

currently stored	previously stored	CAS # (if known)	Chemical Do Not Use Commercial Name (Use additional paper for more room
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		

Is Container located on an Agricultural Farm? ☐ 01 Yes ☐ 02 No

IX IMPORTANT! Read instructions before signing:

Signature: The form must be signed by 1) a principal executive officer at the level of vice-president or by an authorized representative. The representative must be responsible for the overall operation of the facility where the tank(s) are located 2) a general partner proprietor, or 3) a principal executive officer, ranking elected official or authorized representative of a public agency.

This form has been completed under the penalty of perjury and, to the best of my knowledge, is true and correct.

Signature	Date
William J Scharle	6/27/89

Printed Name	Title	Phone Number (Area Code)
William J. Scharle	PSG Vice President	215-481-7151

Send check to: Hazardous Substance Storage Statement, State Water Resources Control Board, P.O. Box 100, Sacramento, CA 95801-0100

Person Filing Statement	Phone Number (Area Code)
George M. Beris	(215) 481-1186

For additional forms or more information call 916/324-1262

FOR STATE USE ONLY

ID Number	Facility Number	Inspection Date	
Date Received	Clerk		

RA 31597

STATE ID NUMBER

APPLICATION FOR PERMIT TO OPERATE UNDERGROUND STORAGE TANK

( ) 01 NEW PERMIT ( ) 05 RENEWED PERMIT ( ) 07 TANK CLOSED ( ) 09 DELETE FROM FILE (NO FEE)
( ) 02 CONDITIONAL PERMIT ( ) 06 AMENDED PERMIT ( ) 08 MINOR CHANGE (NO SURCHARGE)

I OWNER

NAME(CORPORATION,INDIVIDUAL OR PUBLIC AGENCY)			PUBLIC AGENCY ONLY ( ) 01 FED ( ) 02 STATE ( ) 03 LOCAL
STREET ADDRESS	CITY	STATE	ZIP

II FACILITY

FACILITY NAME		DEALER/FOREMEN/SUPERVISOR	
STREET ADDRESS		NEAREST CROSS STREET	
CITY		COUNTY	ZIP
MAILING ADDRESS	CITY	STATE	ZIP
PHONE W/AREA CODE - -	TYPE OF BUSINESS ( ) 01 GASOLINE STATION ( ) 02 OTHER		
NUMBER OF CONTAINERS	RURAL AREAS ONLY :	TOWNSHIP	RANGE	SECTION

III 24 HOUR EMERGENCY CONTACT PERSON

DAYS: NAME(LAST NAME FIRST) AND PHONE W/AREA CODE - -	NIGHTS: NAME(LAST NAME FIRST) AND PHONE W/AREA CODE - -

COMPLETE THE FOLLOWING ON A SEPARATE FORM FOR EACH CONTAINER

IV DESCRIPTION

A. (X) 01 TANK ( ) 02 OTHER:	CONTAINER NUMBER 28.7
B. MANUFACTURER (IF APPROPRIATE): Unknown YEAR MFG: Unknown	C. YEAR INSTALLED 1962 ( ) UNKNOWN
D. CONTAINER CAPACITY: 6000 GALLONS ( ) UNKNOWN	E. DOES THE CONTAINER STORE: (X) 01 WASTE ( ) 02 PRODUCT
F. DOES THE CONTAINER STORE MOTOR VEHICLE FUEL OR WASTE OIL ? ( ) 01 YES (X) 02 NO IF YES CHECK APPROPRIATE BOX(ES): ( ) 01 UNLEADED ( ) 02 REGULAR ( ) 03 PREMIUM ( ) 04 DIESEL ( ) 05 WASTE OIL ( ) 06 OTHER	

V CONTAINER CONSTRUCTION

A. THICKNESS OF PRIMARY CONTAINMENT: 5/16 ( ) GAUGE (X) INCHES ( ) CM ( ) UNKNOWN

B. ( ) 01 VAULTED (LOCATED IN AN UNDERGROUND VAULT) (X) 02 NON-VAULTED ( ) 03 UNKNOWN

C. ( ) 01 DOUBLE WALLED (X) 02 SINGLE WALLED ( ) 03 LINED

D. ( ) 01 CARBON STEEL ( ) 02 STAINLESS STEEL ( ) 03 FIBERGLASS ( ) 04 POLYVINYL CHLORIDE ( ) 05 CONCRETE
( ) 06 ALUMINUM ( ) 07 STEEL CLAD ( ) 08 BRONZE ( ) 09 COMPOSITE ( ) 10 NON-METALLIC
(X) 12 UNKNOWN ( ) 13 OTHER:

STATE ID NUMBER

CONTAINER CONSTRUCTION

E. ( ) 01 RUBBER LINED ( ) 02 ALKYD LINING ( ) 03 EPOXY LINING ( ) 04 PHENOLIC LINING ( ) 05 GLASS LINING
( ) 07 UNLINED (X) 08 UNKNOWN ( ) 09 OTHER:

F. ( ) 01 POLYETHLENE WRAP ( ) 02 VINYL WRAPPING ( ) 03 CATHODIC PROTECTION (X) 04 UNKNOWN ( ) 05 NONE
( ) 06 TAR OR ASPHALT ( ) 09 OTHER:

VI PIPING

A. ABOVEGROUND PIPING: ( ) 01 DOUBLE-WALLED PIPE ( ) 02 CONCRETE-LINED TRENCH ( ) 03 GRAVITY
(CHECK APPROPRIATE BOX(ES) ( ) 04 PRESSURE ( ) 05 SUCTION ( ) 06 UNKNOWN ( ) 07 NONE

B. UNDERGROUND PIPING: ( ) 01 DOUBLE-WALLED PIPE ( ) 02 CONCRETE-LINED TRENCH (X) 03 GRAVITY
(CHECK APPROPRIATE BOX(ES) ( ) 04 PRESSURE ( ) 05 SUCTION ( ) 06 UNKNOWN ( ) 07 NONE

VII LEAK DETECTION

( ) 01 VISUAL ( ) 02 STOCK INVENTORY ( ) 04 VAPOR SNIFF WELLS ( ) 05 SENSOR INSTRUMENT
( ) 06 GROUND WATER MONITORING WELLS ( ) 07 PRESSURE TEST (X) 09 NONE ( ) 10 OTHER:

VIII CHEMICAL COMPOSITION OF MATERIALS STORED IN UNDERGROUND CONTAINERS

IF YOU CHECKED YES TO IV-F YOU ARE NOT REQUIRED TO COMPLETE THIS SECTION

CURRENTLY STORED	PREVIOUSLY STORED	DELETE	CAS# (IF KNOWN)	CHEMICAL (DO NOT USE COMMERCIAL NAME)
(XX) 01	( ) 02	( ) 03		10% Waste NAOH Solution
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		

IS CONTAINER LOCATED ON AN AGRICULTURAL FARM? ( ) 01 YES (X) 02 NO

THIS FORM HAS BEEN COMPLETED UNDER THE PENALTY OF PERJURY AND, TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT.

PERSON SIGNING (SIGNATURE)	PHONE W/AREA CODE
BY D. E. Mitchell	

FOR LOCAL AGENCY USE ONLY

ADMINISTRATING AGENCY	CITY CODE	COUNTY CODE
Los Angeles County Dept of Public Works		19

CONTACT PERSON	PHONE W/AREA CODE
Carl Sjoberg	(213) 226-4000

DATE OF LAST INSPECTION	IN COMPLIANCE	PERMIT APPROVAL DATE	TRANSACTION DATE	LOCAL PERMIT ID #
	( ) 01 YES ( ) 02 NO			

Official Registration Form

California Water Resources Control Board

Hazardous Substance Storage Statement

Who Must File: Each person storing hazardous substances in any underground container must file this form no later than July 1, 1984 (After October 1, 1984 and no later than January 1, 1985 for tanks used on farms).

Definition of Underground Containers: The law applies to "concrete sumps, nonvaulted buried tanks or other underground containers." (Water Code section 13173) All containers, including earthen walled pits, ponds, lagoons and sumps, that are below the normal ground surface level must register. A tank sitting on the ground is not included. Containers partially beneath the surface are included. Lined or unlined pits, ponds and lagoons are covered if earth has been removed from the storage area to construct the facility. Normal grading is not considered construction below ground level.

Definition of Hazardous Substance: Any substance listed in Section 6382 of the Labor Code or in Section 25316 of the Health and Safety Code. This includes: gasoline, diesel fuel, all industrial solvents, pesticides, herbicides and fumigants. If the material must be carried by a registered hauler, disposed of at a hazardous waste site, is explosive, generates pressure due to heat or decomposition or would harm humans or wildlife you must register the tank. Wastes are included.

Fee: For each tank registered a $10 fee must be paid, except that retail gasoline stations pay $5 per tank.

Penalties: For failure to file, the penalty is $500 - $5,000 per day. If you falsify information, you can be fined up to $20,000 for each day the information is incorrect and has not been corrected.

Confidentiality: If you have information protected by trade secret laws, please attach a list of the information on this form that is confidential and the justification for confidentiality, including specific citations of relevant statutory and case law.

Multiple Containers: Fill I and II on one form and leave it blank on all the remaining forms. Attach all forms together securely. If you own more than 50 tanks you can file information on computer tape. Call 916/324-1262 for information.

This is not a Permit Application. All Underground Tanks will be subject to local regulation. Some jurisdictions have already begun programs. Check with your local county government for further information.

NOTE: ALL UNDERGROUND CONTAINERS MUST REGISTER EVEN IF STATE AND/OR LOCAL PERMITS ARE IN FORCE.

I Owner

Name (Corporation, Individual or Public Agency): Air Products and Chemicals, Inc.

Street Address	City	State	ZIP
Box 538	Allentown	PA	18105

II Facility

Facility Name	Owner, Foreman, Supervisor
Air Products and Chemicals, Inc.	Mr. Ronald L. Shadman

Street Address	Nearest Cross Street
23320 South Alameda Street	

City	County	ZIP
Long Beach	Los Angeles	90810

Mailing Address	City	State	ZIP
Same			

Phone w/ area code	Type of Business
(215) 830-5231	☐ 01 Motor Vehicle Fuel Station ☒ 02 Other: Industrial Gases

Number of Tanks at this Facility	Rural Areas Only: Township	Range	Section
5			

III 24 Hour Emergency Contact Person

Days: Name (last name first) and Phone w/ area code	Nights: Name (last name first) and Phone w/ area code
Shadman, R. L. (213) 830-5231	Shadman, R. L. (805) 583-2165

COMPLETE THE FOLLOWING ON A SEPARATE FORM FOR EACH CONTAINER

IV Description

A. ☒ 01 Tank ☐ 02 Sump ☐ 03 Lagoon, Pit or Pond ☐ 04 Other: _____ Container Number (if there is no number, assign one): 28.7

B. Manufacturer (if appropriate): unknown Year of Mfg.: unknown C. Year Installed: 1962 ☐ Unknown

D. Container Capacity: 6000 gallons ☐ Unknown E. Container Repairs: ☐ 01 None ☒ 02 Unknown ☐ 03 Yes Year: _____

F. Is Container currently used? ☒ 01 Yes ☐ 02 No If No, year of last use: _____ ☐ 03 Unknown

G. Does the Container Store (Check One): ☒ 01 Waste ☐ 02 Product

H. Does the Container Store Motor Vehicle Fuel or Waste Oil? ☐ 01 Yes ☒ 02 No If Yes, Check appropriate box(es):

☐ 01 Unleaded ☐ 02 Regular ☐ 03 Premium ☐ 04 Diesel ☐ 05 Waste Oil ☐ 06 Other (List): _____

V Container Construction

A. Thickness of Primary Containment: 5/16 ☐ Gauge ☒ Inches ☐ cm ☐ Unknown

B. ☐ 01 Vaulted (Located in an underground Vault.) ☒ 02 Non-vaulted ☐ 03 Unknown

C. ☐ 01 Double Walled ☒ 02 Single Walled ☐ 03 Lined ☐ 04 Wrapped ☐ 05 Unknown ☐ 06 None

D. ☐ 01 Carbon Steel ☐ 02 Stainless Steel ☐ 11 Fiberglass ☐ 04 Polyvinyl Chloride ☐ 05 Concrete ☐ 06 Aluminum

☐ 07 Steel Clad ☐ 08 Bronze ☐ 09 Composite ☐ 10 Non-metallic ☐ 11 Earthen Walls

☒ 12 Unknown ☐ 13 Other: _____

E. ☐ 01 Rubber Lined ☐ 02 Alkyd Lining ☐ 03 Epoxy Lining ☐ 04 Phenolic Lining ☐ 05 Glass Lining ☐ 06 Clay Lining

☐ 07 Unlined ☒ 08 Unknown ☐ 09 Other: _____

F ☐ 01 Polyethlene Wrap ☐ 02 Vinyl Wrapping ☐ 03 Cathodic Protection ☒ 04 Unknown ☐ 05 None ☐ 06 Other: _____

VI Piping

A. Associated Piping:	☐ 01 Above Ground	☐ 02 Underground	☐ 03 Vaulted	
B. Underground Piping:	☒ 01 Gravity	☐ 02 Pressure	☐ 03 Suction	☐ 04 Unknown
C. Piping Repairs:	☒ 01 None	☐ 02 Unknown	☐ 03 Yes. Year of most recent repair: _____	

VII Leak Detection

☐ 01 Visual ☐ 02 Stock Inventory ☐ 03 Tile Drain ☐ 04 Vapor Sniff Wells ☐ 05 Sensor Instrument

☐ 06 Ground Water Monitoring Wells ☐ 07 Pressure Test ☐ 08 Internal Inspection ☒ 09 None

☐ 10 Other: _____

VIII Chemical Composition of Materials *Currently* or *Previously* Stored in Underground Containers

If you checked yes to IV-H you are not required to complete this section.

currently stored	previously stored	CAS # (if known)	Chemical *Do Not Use Commercial Name* (Use additional paper for more room
☒ 01	☐ 02		10% Waste NaOH solution
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		

Is Container located on an Agricultural Farm? ☐ 01 Yes ☒ 02 No

IX IMPORTANT! Read instructions before signing:

Signature: The form must be signed by 1) a principal executive officer at the level of vice-president or by an authorized representative. The representative must be responsible for the overall operation of the facility where the tank(s) are located 2) a general partner proprietor, or 3) a principal executive officer, ranking elected official or authorized representative of a public agency.

This form has been completed under the penalty of perjury and, to the best of my knowledge, is true and correct.

Signature	Date
William J. Scharle	6/27/89

Printed Name	Title	Phone # and area code
William J. Scharle	PSG Vice President	215-481-7151

Send check to: Hazardous Substance Storage Statement, State Water Resources Control Board, P.O. Box 100, Sacramento CA 95801-0100

Person Filing Statement	Phone # and area code
George M. Beris	(215) 481-4486

For additional forms or more information call 916/324-1262

FOR STATE USE ONLY

Date Received			

84 31597

STATE ID NUMBER

APPLICATION FOR PERMIT TO OPERATE UNDERGROUND STORAGE TANK

( ) 01 NEW PERMIT ( ) 05 RENEWED PERMIT ( ) 07 TANK CLOSED ( ) 09 DELETE FROM FILE (NO FEE)
( ) 02 CONDITIONAL PERMIT ( ) 06 AMENDED PERMIT ( ) 08 MINOR CHANGE (NO SURCHARGE)

I OWNER

NAME(COPPORATION,INDIVIDUAL OR PUBLIC AGENCY)			PUBLIC AGENCY ONLY ( ) 01 FED ( ) 02 STATE ( ) 03 LOCAL
STREET ADDRESS	CITY	STATE	ZIP

II FACILITY

FACILITY NAME		DEALER/FOREMEN/SUPERVISOR	
STREET ADDRESS		NEAREST CROSS STREET	
CITY		COUNTY	ZIP
MAILING ADDRESS	CITY	STATE	ZIP
PHONE W/AREA CODE - -	TYPE OF BUSINESS ( ) 01 GASOLINE STATION ( ) 02 OTHER		
NUMBER OF CONTAINERS	RURAL AREAS ONLY : TOWNSHIP	RANGE	SECTION

III 24 HOUR EMERGENCY CONTACT PERSON

DAYS: NAME(LAST NAME FIRST) AND PHONE W/AREA CODE - -	NIGHTS: NAME(LAST NAME FIRST) AND PHONE W/AREA CODE - -

COMPLETE THE FOLLOWING ON A SEPARATE FORM FOR EACH CONTAINER

IV DESCRIPTION

A. (X) 01 TANK ( ) 02 OTHER:	CONTAINER NUMBER 28.5
B. MANUFACTURER (IF APPROPRIATE): Unknown YEAR MFG: Unknown	C. YEAR INSTALLED 1962 ( ) UNKNOWN
D. CONTAINER CAPACITY: 2000 GALLONS ( ) UNKNOWN	E. DOES THE CONTAINER STORE: XX 01 WASTE ( ) 02 PRODUCT
F. DOES THE CONTAINER STORE MOTOR VEHICLE FUEL OR WASTE OIL ? (X) 01 YES ( ) 02 NO IF YES CHECK APPROPRIATE BOX(ES): ( ) 01 UNLEADED ( ) 02 REGULAR ( ) 03 PREMIUM ( ) 04 DIESEL (X) 05 WASTE OIL ( ) 06 OTHER	

V CONTAINER CONSTRUCTION

A. THICKNESS OF PRIMARY CONTAINMENT: 3/16 ( ) GAUGE (XX INCHES ( ) CM ( ) UNKNOWN

B. ( ) 01 VAULTED (LOCATED IN AN UNDERGROUND VAULT) (X) 02 NON-VAULTED ( ) 03 UNKNOWN

C. ( ) 01 DOUBLE WALLED (X) 02 SINGLE WALLED ( ) 03 LINED

D. ( ) 01 CARBON STEEL ( ) 02 STAINLESS STEEL ( ) 03 FIBERGLASS ( ) 04 POLYVINYL CHLORIDE ( ) 05 CONCRETE
( ) 06 ALUMINUM ( ) 07 STEEL CLAD ( ) 08 BRONZE ( ) 09 COMPOSITE ( ) 10 NON-METALLIC
(X) 12 UNKNOWN ( ) 13 OTHER:

STATE ID NUMBER

CONTAINER CONSTRUCTION

E. ( ) 01 RUBBER LINED ( ) 02 ALKYD LINING ( ) 03 EPOXY LINING ( ) 04 PHENOLIC LINING ( ) 05 GLASS LINING
( ) 07 UNLINED (X) 08 UNKNOWN ( ) 09 OTHER:

F. ( ) 01 POLYETHLENE WRAP ( ) 02 VINYL WRAPPING ( ) 03 CATHODIC PROTECTION (X) 04 UNKNOWN ( ) 05 NONE
( ) 06 TAR OR ASPHALT ( ) 09 OTHER:

VI PIPING

A. ABOVEGROUND PIPING: ( ) 01 DOUBLE-WALLED PIPE ( ) 02 CONCRETE-LINED TRENCH ( ) 03 GRAVITY
(CHECK APPROPRIATE BOX(ES) ( ) 04 PRESSURE ( ) 05 SUCTION ( ) 06 UNKNOWN ( ) 07 NONE

B. UNDERGROUND PIPING: ( ) 01 DOUBLE-WALLED PIPE ( ) 02 CONCRETE-LINED TRENCH (X) 03 GRAVITY
(CHECK APPROPRIATE BOX(ES) ( ) 04 PRESSURE ( ) 05 SUCTION ( ) 06 UNKNOWN ( ) 07 NONE

VII LEAK DETECTION

( ) 01 VISUAL ( ) 02 STOCK INVENTORY ( ) 04 VAPOR SNIFF WELLS ( ) 05 SENSOR INSTRUMENT
( ) 06 GROUND WATER MONITORING WELLS ( ) 07 PRESSURE TEST (X) 09 NONE ( ) 10 OTHER:

VIII CHEMICAL COMPOSITION OF MATERIALS STORED IN UNDERGROUND CONTAINERS

IF YOU CHECKED YES TO IV-F YOU ARE NOT REQUIRED TO COMPLETE THIS SECTION

CURRENTLY STORED	PREVIOUSLY STORED	DELETE	CAS# (IF KNOWN)	CHEMICAL (DO NOT USE COMMERCIAL NAME)
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		

IS CONTAINER LOCATED ON AN AGRICULTURAL FARM? ( ) 01 YES (X) 02 NO

THIS FORM HAS BEEN COMPLETED UNDER THE PENALTY OF PERJURY AND, TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT.

PERSON FILING (SIGNATURE)	PHONE W/AREA CODE
R.E. White	

FOR LOCAL AGENCY USE ONLY

ADMINISTRATING AGENCY	CITY CODE	COUNTY CODE
Los Angeles County Dept of Public Works		19

CONTACT PERSON	PHONE W/AREA CODE
Carl Sjoberg	(213) 226-4000

DATE OF LAST INSPECTION	IN COMPLIANCE	PERMIT APPROVAL DATE	TRANSACTION DATE	LOCAL PERMIT ID #
	( ) 01 YES ( ) 02 NO			

Official Registration Form

California Water Resources Control Board

Hazardous Substance Storage Statement

Who Must File: Each person storing hazardous substances in any underground container must file this form no later than July 1, 1984 (After October 1, 1984 and no later than January 1, 1985 for tanks used on farms).

Definition of Underground Containers: The law applies to "concrete sumps, nonvaulted buried tanks or other underground containers." (Water Code section 13173) All containers, including earthen walled pits, ponds, lagoons and sumps, that are below the normal ground surface level must register. A tank sitting on the ground is not included. Containers partially beneath the surface are included. Lined or unlined pits, ponds and lagoons are covered if earth has been removed from the storage area to construct the facility. Normal grading is not considered construction below ground level.

Definition of Hazardous Substance: Any substance listed in Section 6382 of the Labor Code or in Section 25316 of the Health and Safety Code. This includes: gasoline, diesel fuel, all industrial solvents, pesticides, herbicides and fumigants. If the material must be carried by a registered hauler, disposed of at a hazardous waste site, is explosive, generates pressure due to heat or decomposition or would harm humans or wildlife you must register the tank. Wastes are included.

Fee: For each tank registered a $10 fee must be paid, except that retail gasoline stations pay $5 per tank.

Penalties: For failure to file, the penalty is $500-$5,000 per day. If you falsify information, you can be fined up to $20,000 for each day the information is incorrect and has not been corrected.

Confidentiality: If you have information protected by trade secret laws, please attach a list of the information on this form that is confidential and the justification for confidentiality, including specific citations of relevant statutory and case law.

Multiple Containers: Fill I and II on one form and leave it blank on all the remaining forms. Attach all forms together securely. If you own more than 50 tanks you can file information on computer tape. Call 916/324-1262 for information.

This is not a Permit Application. All Underground Tanks will be subject to local regulation. Some jurisdictions have already begun programs. Check with your local county government for further information.

NOTE: ALL UNDERGROUND CONTAINERS MUST REGISTER EVEN IF STATE AND/OR LOCAL PERMITS ARE IN FORCE.

I Owner

Name (Corporation, Individual or Public Agency): Air Products and Chemicals, Inc.

Street Address: Box 538 | City: Allentown | State: PA | ZIP: 18105

II Facility

Facility Name: Air Products and Chemicals, Inc. | Owner's Representative Supervisor: Mr. Ronald L. Shadman

Street Address: 23320 South Alameda Street | Nearest Cross Street:

City: Long Beach | County: Los Angeles | ZIP: 90810

Mailing Address: Same | City: | State: | ZIP:

Phone w/ area code: (213) 830-5231 | Type of Business: ☐ 01 Motor Vehicle Fuel Station ☒ 02 Other: Industrial Gases

Number of Tanks at this Facility: 5 | Rural Areas Only: Township: | Range: | Section:

III 24 Hour Emergency Contact Person

Days: Name (last name first) and Phone w/ area code: Shadman, R. L. (213) 830-5231

Nights: Name (last name first) and Phone w/ area code: Shadman, R. L. (805) 583-2165

COMPLETE THE FOLLOWING ON A SEPARATE FORM FOR EACH CONTAINER

IV Description

A. ☒ 01 Tank ☐ 02 Sump ☐ 03 Lagoon, Pit or Pond ☐ 04 Other: _____ | Container Number (If there is no number, assign one): 28.5

B. Manufacturer (If appropriate): Unknown Year of Mfg.: Unknown | C. Year Installed: 1962 ☐ Unknown

D. Container Capacity: 2000 gallons ☐ Unknown | E. Container Repairs: ☒ 01 None ☐ 02 Unknown ☐ 03 Yes Year: _____

F. Is Container currently used? ☒ 01 Yes ☐ 02 No If No, year of last use: _____ ☐ 03 Unknown

G. Does the Container Store (Check One): ☒ 01 Waste ☐ 02 Product

H. Does the Container Store Motor Vehicle Fuel or Waste Oil? ☒ 01 Yes ☐ 02 No If Yes, Check appropriate box(es):

☐ 01 Unleaded ☐ 02 Regular ☐ 03 Premium ☐ 04 Diesel ☒ 05 Waste Oil ☐ 06 Other (List): _____

V Container Construction

A. Thickness of Primary Containment: 3/16 ☐ Gauge ☒ Inches ☐ cm ☐ Unknown

B. ☐ 01 Vaulted (Located in an underground Vault.) ☒ 02 Non-vaulted ☐ 03 Unknown

C. ☐ 01 Double Walled ☒ 02 Single Walled ☐ 03 Lined ☐ 04 Wrapped ☐ 12 Unknown ☐ 13 None

D. ☐ 01 Carbon Steel ☐ 02 Stainless Steel ☐ 03 Fiberglass ☐ 04 Polyvinyl Chloride ☐ 05 Concrete ☐ 06 Aluminum

☐ 07 Steel Clad ☐ 08 Bronze ☐ 09 Composite ☐ 10 Non-metallic ☐ 11 Earthen Walls

☒ 12 Unknown ☐ 13 Other: _____

E. ☐ 01 Rubber Lined ☐ 02 Alkyd Lining ☐ 03 Epoxy Lining ☐ 04 Phenolic Lining ☐ 05 Glass Lining ☐ 06 Clay Lining

☐ 07 Unlined ☒ 08 Unknown ☐ 09 Other _____

F. ☐ 01 Polyethlene Wrap ☐ 02 Vinyl Wrapping ☐ 03 Cathodic Protection ☒ 04 Unknown ☐ 05 None ☐ 06 Other: _____

VI Piping

A. Associated Piping:	☐ 01 Above Ground	☒ 02 Underground	☐ 03 Vaulted	
B. Underground Piping:	☒ 01 Gravity	☐ 02 Pressure	☐ 03 Suction	☐ 04 Unknown
C. Piping Repairs:	☒ 01 None	☐ 02 Unknown	☐ 03 Yes. Year of most recent repair: _____	

VII Leak Detection

☐ 01 Visual ☐ 02 Stock Inventory ☐ 03 Tile Drain ☐ 04 Vapor Sniff Wells ☐ 05 Sensor Instrument

☐ 06 Ground Water Monitoring Wells ☐ 07 Pressure Test ☐ 08 Internal Inspection ☒ 09 None

☐ 10 Other: _____

VIII Chemical Composition of Materials *Currently* or *Previously* Stored in Underground Containers

If you checked yes to IV-H you are not required to complete this section.

currently stored	previously stored	CAS # (if known)	Chemical *Do Not Use Commercial Name* (Use additional paper for more room)
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		

Is Container located on an Agricultural Farm? ☐ 01 Yes ☐ 02 No

IX IMPORTANT! Read instructions before signing:

Signature: The form must be signed by 1) a principal executive officer at the level of vice-president or by an authorized representative. The representative must be responsible for the overall operation of the facility where the tank(s) are located 2) a general partner proprietor, or 3) a principal executive officer, ranking elected official or authorized representative of a public agency.

This form has been completed under the penalty of perjury and, to the best of my knowledge, is true and correct.

Signature		Date
William J Scharle		6/27/89
Printed Name	**Title**	**Phone & Area Code**
William J. Scharle	PSG Vice President	215-481-7151

Send check to: Hazardous Substance Storage Statement, State Water Resources Control Board, P.O. Box 100, Sacramento, CA 95801-0100

Person Filing Statement	Phone & Area Code
George M. Beris	(215) 481-4486

For additional forms or more information call 916/324-1262

FOR STATE USE ONLY

84 21407

STATE ID NUMBER

APPLICATION FOR PERMIT TO OPERATE UNDERGROUND STORAGE TANK

( ) 01 NEW PERMIT ( ) 05 RENEWED PERMIT ( ) 07 TANK CLOSED ( ) 09 DELETE FROM FILE (NO FEE)
( ) 02 CONDITIONAL PERMIT ( ) 06 AMENDED PERMIT ( ) 08 MINOR CHANGE (NO SURCHARGE)

I OWNER

NAME(CORPORATION,INDIVIDUAL OR PUBLIC AGENCY)			PUBLIC AGENCY ONLY ( ) 01 FED ( ) 02 STATE ( ) 03 LOCAL
STREET ADDRESS	CITY	STATE	ZIP

II FACILITY

FACILITY NAME		DEALER/FOREMEN/SUPERVISOR	
STREET ADDRESS		NEAREST CROSS STREET	
CITY		COUNTY	ZIP
MAILING ADDRESS	CITY	STATE	ZIP
PHONE W/AREA CODE - -	TYPE OF BUSINESS ( ) 01 GASOLINE STATION (X) 02 OTHER Industrial Gas Division		
NUMBER OF CONTAINERS	RURAL AREAS ONLY : TOWNSHIP	RANGE	SECTION

III 24 HOUR EMERGENCY CONTACT PERSON

DAYS: NAME(LAST NAME FIRST) AND PHONE W/AREA CODE	NIGHTS: NAME(LAST NAME FIRST) AND PHONE W/AREA CODE
Smith, D. L. - - 213-830-5205	Smith, D. L. - - 714-839-3027

COMPLETE THE FOLLOWING ON A SEPARATE FORM FOR EACH CONTAINER

IV DESCRIPTION

A. (X) 01 TANK ( ) 02 OTHER:	CONTAINER NUMBER LB-1GD-1
B. MANUFACTURER (IF APPROPRIATE): YEAR MFG:	C. YEAR INSTALLED 1974 ( ) UNKNOWN
D. CONTAINER CAPACITY: 3000 GALLONS ( ) UNKNOWN	E. DOES THE CONTAINER STORE: ( ) 01 WASTE (X) 02 PRODUCT
F. DOES THE CONTAINER STORE MOTOR VEHICLE FUEL OR WASTE OIL ? (X) 01 YES ( ) 02 NO IF YES CHECK APPROPRIATE BOX(ES): (X) 01 UNLEADED ( ) 02 REGULAR ( ) 03 PREMIUM ( ) 04 DIESEL ( ) 05 WASTE OIL ( ) 06 OTHER	

V CONTAINER CONSTRUCTION

A. THICKNESS OF PRIMARY CONTAINMENT: ( ) GAUGE ( ) INCHES ( ) CM (X) UNKNOWN

B. ( ) 01 VAULTED (LOCATED IN AN UNDERGROUND VAULT) (X) 02 NON-VAULTED ( ) 03 UNKNOWN

C. ( ) 01 DOUBLE WALLED ( ) 02 SINGLE WALLED ( ) 03 LINED Unknown

D. (X) 01 CARBON STEEL ( ) 02 STAINLESS STEEL ( ) 03 FIBERGLASS ( ) 04 POLYVINYL CHLORIDE ( ) 05 CONCRETE
( ) 06 ALUMINUM ( ) 07 STEEL CLAD ( ) 08 BRONZE ( ) 09 COMPOSITE ( ) 10 NON-METALLIC
( ) 12 UNKNOWN ( ) 13 OTHER:

STATE ID NUMBER

CONTAINER CONSTRUCTION

E. ( ) 01 RUBBER LINED ( ) 02 ALKYD LINING ( ) 03 EPOXY LINING ( ) 04 PHENOLIC LINING ( ) 05 GLASS LINING
( ) 07 UNLINED (X) 08 UNKNOWN ( ) 09 OTHER:

F. ( ) 01 POLYETHLENE WRAP ( ) 02 VINYL WRAPPING ( ) 03 CATHODIC PROTECTION (X) 04 UNKNOWN ( ) 05 NONE
( ) 06 TAR OR ASPHALT ( ) 09 OTHER:

VI PIPING

A. ABOVEGROUND PIPING: ( ) 01 DOUBLE-WALLED PIPE ( ) 02 CONCRETE-LINED TRENCH ( ) 03 GRAVITY
(CHECK APPROPRIATE BOX(ES) ( ) 04 PRESSURE ( ) 05 SUCTION ( ) 06 UNKNOWN ( ) 07 NONE

B. UNDERGROUND PIPING: ( ) 01 DOUBLE-WALLED PIPE ( ) 02 CONCRETE-LINED TRENCH ( ) 03 GRAVITY
(CHECK APPROPRIATE BOX(ES) ( ) 04 PRESSURE (X) 05 SUCTION ( ) 06 UNKNOWN ( ) 07 NONE

VII LEAK DETECTION

( ) 01 VISUAL (X) 02 STOCK INVENTORY ( ) 04 VAPOR SNIFF WELLS ( ) 05 SENSOR INSTRUMENT
( ) 06 GROUND WATER MONITORING WELLS ( ) 07 PRESSURE TEST ( ) 09 NONE (X) 10 OTHER: Water Test

VIII CHEMICAL COMPOSITION OF MATERIALS STORED IN UNDERGROUND CONTAINERS

IF YOU CHECKED YES TO IV-F YOU ARE NOT REQUIRED TO COMPLETE THIS SECTION

CURRENTLY STORED	PREVIOUSLY STORED	DELETE	CAS# (IF KNOWN)	CHEMICAL (DO NOT USE COMMERCIAL NAME)
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		

IS CONTAINER LOCATED ON AN AGRICULTURAL FARM? ( ) 01 YES (X) 02 NO

THIS FORM HAS BEEN COMPLETED UNDER THE PENALTY OF PERJURY AND, TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT.

PERSON FILING (SIGNATURE)	PHONE W/AREA CODE
85 T. E. White	

FOR LOCAL AGENCY USE ONLY

ADMINISTRATING AGENCY	CITY CODE	COUNTY CODE
Los Angeles County Dept of Public Works		19

CONTACT PERSON	PHONE W/AREA CODE
Carl Sjoberg	(213) 226-4000

DATE OF LAST INSPECTION	IN COMPLIANCE ( ) 01 YES ( ) 02 NO	PERMIT APPROVAL DATE	TRANSACTION DATE	LOCAL PERMIT ID #

Official Registration Form

California Water Resources Control Board

Hazardous Substance Storage Statement

Who Must File: Each person storing hazardous substances in any underground container must file this form no later than July 1, 1984 (After October 1, 1984 and no later than January 1, 1985 for tanks used on farms).

Definition of Underground Containers: The law applies to "concrete sumps, nonvaulted buried tanks or other underground containers." (Water Code section 13173) All containers, including earthen walled pits, ponds, lagoons and sumps, that are below the normal ground surface level must register. A tank sitting on the ground is not included. Containers partially beneath the surface are included. Lined or unlined pits, ponds and lagoons are covered if earth has been removed from the storage area to construct the facility. Normal grading is not considered construction below ground level.

Definition of Hazardous Substance: Any substance listed in Section 6382 of the Labor Code or in Section 25316 of the Health and Safety Code. This includes: gasoline, diesel fuel, all industrial solvents, pesticides, herbicides and fumigants. If the material must be carried by a registered hauler, disposed of at a hazardous waste site, is explosive, generates pressure due to heat or decomposition or would harm humans or wildlife you must register the tank. Wastes are included.

Fee: For each tank registered a $10 fee must be paid, except that retail gasoline stations pay $5 per tank.

Penalties: For failure to file, the penalty is $500-$5,000 per day. If you falsify information, you can be fined up to $20,000 for each day the information is incorrect and has not been corrected.

Confidentiality: If you have information protected by trade secret laws, please attach a list of the information on this form that is confidential and the justification for confidentiality, including specific citations of relevant statutory and case law.

Multiple Containers: Fill I and II on one form and leave it blank on all the remaining forms. Attach all forms together securely. If you own more than 50 tanks you can file information on computer tape. Call 916/324-1262 for information.

This is not a Permit Application. All Underground Tanks will be subject to local regulation. Some jurisdictions have already begun programs. Check with your local county government for further information.

NOTE: ALL UNDERGROUND CONTAINERS MUST REGISTER EVEN IF STATE AND/OR LOCAL PERMITS ARE IN FORCE.

I Owner

Name (Corporation, Individual or Public Agency): Air Products and Chemicals, Inc.

Street Address	City	State	ZIP
P.O. Box 538	Allentown	PA	18105

II Facility

Facility Name: Air Products and Chemicals, Inc. — Owner, Foreman, Supervisor:

Street Address: 23320 S. Alameda Street — Nearest Cross Street:

City	County	ZIP
Long Beach	Los Angeles	90810

Mailing Address	City	State	ZIP
Same			

Phone w/area code: — Type of Business: ☐ 01 Motor Vehicle Fuel Station ☒ 02 Other: Industrial Gas Division

Number of Tanks at this Facility	Rural Areas Only: Township	Range	Section

III 24 Hour Emergency Contact Person

Days: Name (last name first) and Phone w/area code	Nights: Name (last name first) and Phone w/area code
Smith, D. L. 213-830-5205	Smith, D. L. 714-839-3027

COMPLETE THE FOLLOWING ON A SEPARATE FORM FOR EACH CONTAINER

IV Description

A. ☒ 01 Tank ☐ 02 Sump ☐ 03 Lagoon, Pit or Pond ☐ 04 Other: _____ — Container Number (if there is no number assign one): LB-IGD-1

B. Manufacturer (if appropriate): _____ Year of Mfg.: _____ — C. Year Installed: 1974 ☐ Unknown

D. Container Capacity: 3000 gallons ☐ Unknown — E. Container Repairs: ☒ 01 None ☐ 02 Unknown ☐ 03 Yes Year: _____

F. Is Container currently used? ☒ 01 Yes ☐ 02 No If No, year of last use: _____ ☐ 03 Unknown

G. Does the Container Store (Check One): ☐ 01 Waste ☒ 02 Product

H. Does the Container Store Motor Vehicle Fuel or Waste Oil? ☒ 01 Yes ☐ 02 No If Yes, Check appropriate box(es):

☒ 01 Unleaded ☐ 02 Regular ☐ 03 Premium ☐ 04 Diesel ☐ 05 Waste Oil ☐ 06 Other (List): _____

V Container Construction

A. Thickness of Primary Containment: _____ ☐ Gauge ☐ Inches ☐ cm ☒ Unknown

B. ☐ 01 Vaulted (Located in an underground Vault.) ☒ 02 Non-vaulted ☐ 03 Unknown

C. ☐ 01 Double Walled ☐ 02 Single Walled ☐ 03 Lined ☐ 04 Wrapped ☒ 05 Unknown ☐ 06 None

D. ☒ 01 Carbon Steel ☐ 02 Stainless Steel ☐ 03 Fiberglass ☐ 04 Polyvinyl Chloride ☐ 05 Concrete ☐ 06 Aluminum

☐ 07 Steel Clad ☐ 08 Bronze ☐ 09 Composite ☐ 10 Non-metallic ☐ 11 Earthen Walls

☐ 12 Unknown ☐ 13 Other: _____

E. ☐ 01 Rubber Lined ☐ 02 Alkyd Lining ☐ 03 Epoxy Lining ☐ 04 Phenolic Lining ☐ 05 Glass Lining ☐ 06 Clay Lining

☐ 07 Unlined ☒ 08 Unknown ☐ 09 Other: _____

F. ☐ 01 Polyethlene Wrap ☐ 02 Vinyl Wrapping ☐ 03 Cathodic Protection ☒ 04 Unknown ☐ 05 None ☐ 06 Other: _____

VI Piping

A. Associated Piping:	☐ 01 Above Ground	☒ 02 Underground	☐ 03 Vaulted	
B. Underground Piping:	☐ 01 Gravity	☐ 02 Pressure	☒ 03 Suction	☐ 04 Unknown
C. Piping Repairs:	☒ 01 None	☐ 02 Unknown	☐ 03 Yes. Year of most recent repair: _____	

VII Leak Detection

☐ 01 Visual ☒ 02 Stock Inventory ☐ 03 Tile Drain ☐ 04 Vapor Sniff Wells ☐ 05 Sensor Instrument

☐ 06 Ground Water Monitoring Wells ☐ 07 Pressure Test ☐ 08 Internal Inspection ☐ 09 None

☒ 10 Other: Water Test

VIII Chemical Composition of Materials *Currently* or *Previously* Stored in Underground Containers

If you checked yes to IV-H you are not required to complete this section

currently stored	previously stored	CAS # (if known)	Chemical Do Not Use Commercial Name (Use additional paper for more room)
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		

Is Container located on an Agricultural Farm? ☐ 01 Yes ☒ 02 No

IX IMPORTANT! Read instructions before signing.

Signature: The form must be signed by 1) a principal executive officer at the level of vice-president or by an authorized representative. The representative must be responsible for the overall operation of the facility where the tank(s) are located. 2) a general partner proprietor, or 3) a principal executive officer, ranking elected official or authorized representative of a public agency.

This form has been completed under the penalty of perjury and, to the best of my knowledge, is true and correct.

Signature	Date

Printed Name	Title	Phone # area code
Stanley R. Roman	Vice President IGD Sales	215-481-8197

Send check to: Hazardous Substance Storage Statement, State Water Resources Control Board, P.O. Box 100, Sacramento, CA 95801-0100

Person Filing Statement	Phone # area code
Eugene C. Crossland	215-481-5589

For additional forms or more information call 916/324-1262

FOR STATE USE ONLY

ID Number	Accounting Number	Check Number

Date Received	Q1	Q2	Q3

R4 31697

STATE ID NUMBER

APPLICATION FOR PERMIT TO OPERATE UNDERGROUND STORAGE TANK

( ) 01 NEW PERMIT ( ) 05 RENEWED PERMIT ( ) 07 TANK CLOSED ( ) 09 DELETE FROM FILE (NO FEE)
( ) 02 CONDITIONAL PERMIT ( ) 06 AMENDED PERMIT ( ) 08 MINOR CHANGE (NO SURCHARGE)

I OWNER

NAME(COPPORATION,INDIVIDUAL OR PUBLIC AGENCY)			PUBLIC AGENCY ONLY ( ) 01 FED ( ) 02 STATE ( ) 03 LOCAL
STREET ADDRESS	CITY	STATE	ZIP

II FACILITY

FACILITY NAME		DEALER/FOREMEN/SUPERVISOR	
STREET ADDRESS		NEAREST CROSS STREET	
CITY		COUNTY	ZIP
MAILING ADDRESS	CITY	STATE	ZIP
PHONE W/AREA CODE - -	TYPE OF BUSINESS ( ) 01 GASOLINE STATION (X) 02 OTHER Industrial Gas Division		

NUMBER OF CONTAINERS	RURAL AREAS ONLY :	TOWNSHIP	RANGE	SECTION

III 24 HOUR EMERGENCY CONTACT PERSON

DAYS: NAME(LAST NAME FIRST) AND PHONE W/AREA CODE	NIGHTS: NAME(LAST NAME FIRST) AND PHONE W/AREA CODE
Smith, D. L. - - 213-830-5205	Smith, D. L. - - 714-839-3027

COMPLETE THE FOLLOWING ON A SEPARATE FORM FOR EACH CONTAINER

IV DESCRIPTION

A. (X) 01 TANK ( ) 02 OTHER:		CONTAINER NUMBER LB-1GD-2
B. MANUFACTURER (IF APPROPRIATE):	YEAR MFG:	C. YEAR INSTALLED 1974 ( ) UNKNOWN
D. CONTAINER CAPACITY: 10,000 GALLONS ( ) UNKNOWN	E. DOES THE CONTAINER STORE: ( ) 01 WASTE (X) 02 PRODUCT	

F. DOES THE CONTAINER STORE MOTOR VEHICLE FUEL OR WASTE OIL ? (X) 01 YES ( ) 02 NO IF YES CHECK APPROPRIATE BOX(ES):
( ) 01 UNLEADED ( ) 02 REGULAR ( ) 03 PREMIUM (X) 04 DIESEL ( ) 05 WASTE OIL ( ) 06 OTHER

V CONTAINER CONSTRUCTION

A. THICKNESS OF PRIMARY CONTAINMENT: ( ) GAUGE ( ) INCHES ( ) CM (X) UNKNOWN

B. ( ) 01 VAULTED (LOCATED IN AN UNDERGROUND VAULT) ( ) 02 NON-VAULTED (X) 03 UNKNOWN

C. ( ) 01 DOUBLE WALLED ( ) 02 SINGLE WALLED ( ) 03 LINED Unknown

D. (X) 01 CARBON STEEL ( ) 02 STAINLESS STEEL ( ) 03 FIBERGLASS ( ) 04 POLYVINYL CHLORIDE ( ) 05 CONCRETE
( ) 06 ALUMINUM ( ) 07 STEEL CLAD ( ) 08 BRONZE ( ) 09 COMPOSITE ( ) 10 NON-METALLIC
( ) 12 UNKNOWN ( ) 13 OTHER:

STATE ID NUMBER

CONTAINER CONSTRUCTION

E. ( ) 01 RUBBER LINED ( ) 02 ALKYD LINING ( ) 03 EPOXY LINING ( ) 04 PHENOLIC LINING ( ) 05 GLASS LINING
( ) 07 UNLINED (X) 08 UNKNOWN ( ) 09 OTHER:

F. ( ) 01 POLYETHLENE WRAP ( ) 02 VINYL WRAPPING ( ) 03 CATHODIC PROTECTION (X) 04 UNKNOWN ( ) 05 NONE
( ) 06 TAR OR ASPHALT ( ) 09 OTHER:

VI PIPING

A. ABOVEGROUND PIPING: ( ) 01 DOUBLE-WALLED PIPE ( ) 02 CONCRETE-LINED TRENCH ( ) 03 GRAVITY
(CHECK APPROPRIATE BOX(ES) ( ) 04 PRESSURE (X) 05 SUCTION ( ) 06 UNKNOWN ( ) 07 NONE

B. UNDERGROUND PIPING: ( ) 01 DOUBLE-WALLED PIPE ( ) 02 CONCRETE-LINED TRENCH ( ) 03 GRAVITY
(CHECK APPROPRIATE BOX(ES) ( ) 04 PRESSURE ( ) 05 SUCTION ( ) 06 UNKNOWN ( ) 07 NONE

VII LEAK DETECTION

( ) 01 VISUAL (X) 02 STOCK INVENTORY ( ) 04 VAPOR SNIFF WELLS ( ) 05 SENSOR INSTRUMENT
( ) 06 GROUND WATER MONITORING WELLS ( ) 07 PRESSURE TEST ( ) 09 NONE (X) 10 OTHER: Water Test

VIII CHEMICAL COMPOSITION OF MATERIALS STORED IN UNDERGROUND CONTAINERS

IF YOU CHECKED YES TO IV-F YOU ARE NOT REQUIRED TO COMPLETE THIS SECTION

CURRENTLY STORED	PREVIOUSLY STORED	DELETE	CAS# (IF KNOWN)	CHEMICAL (DO NOT USE COMMERCIAL NAME)
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		
( ) 01	( ) 02	( ) 03		

IS CONTAINER LOCATED ON AN AGRICULTURAL FARM? ( ) 01 YES (X) 02 NO

THIS FORM HAS BEEN COMPLETED UNDER THE PENALTY OF PERJURY AND, TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT.

PERSON FILING (SIGNATURE)	PHONE W/AREA CODE
PS L.E. Whites	

FOR LOCAL AGENCY USE ONLY

ADMINISTRATING AGENCY	CITY CODE	COUNTY CODE
Los Angeles County Dept of Public Works		19

CONTACT PERSON	PHONE W/AREA CODE
Carl Sjoberg	(213) 226-4000

DATE OF LAST INSPECTION	IN COMPLIANCE	PERMIT APPROVAL DATE	TRANSACTION DATE	LOCAL PERMIT ID #
	( ) 01 YES ( ) 02 NO			

Official Registration Form

California Water Resources Control Board

Hazardous Substance Storage Statement

Who Must File: Each person storing hazardous substances in any underground container must file this form no later than July 1, 1984 (After October 1, 1984 and no later than January 1, 1985 for tanks used on farms).

Definition of Underground Containers: The law applies to "concrete sumps, nonvaulted buried tanks or other underground containers." (Water Code section 13173) All containers, including earthen walled pits, ponds, lagoons and sumps, that are below the normal ground surface level must register. A tank sitting on the ground is not included. Containers partially beneath the surface are included. Lined or unlined pits, ponds and lagoons are covered if earth has been removed from the storage area to construct the facility. Normal grading is not considered construction below ground level.

Definition of Hazardous Substance: Any substance listed in Section 6382 of the Labor Code or in Section 25316 of the Health and Safety Code. This includes: gasoline, diesel fuel, all industrial solvents, pesticides, herbicides and fumigants. If the material must be carried by a registered hauler, disposed of at a hazardous waste site, is explosive, generates pressure due to heat or decomposition or would harm humans or wildlife you must register the tank. Wastes are included.

Fee: For each tank registered a $10 fee must be paid, except that retail gasoline stations pay $5 per tank.

Penalties: For failure to file, the penalty is $500-$5,000 per day. If you falsify information, you can be fined up to $20,000 for each day the information is incorrect and has not been corrected.

Confidentiality: If you have information protected by trade secret laws, please attach a list of the information on this form that is confidential and the justification for confidentiality, including specific citations of relevant statutory and case law.

Multiple Containers: Fill I and II on one form and leave it blank on all the remaining forms. Attach all forms together securely. If you own more than 50 tanks you can file information on computer tape. Call 916/324-1262 for information.

This is not a Permit Application. All Underground Tanks will be subject to local regulation. Some jurisdictions have already begun programs. Check with your local county government for further information.

NOTE: ALL UNDERGROUND CONTAINERS MUST REGISTER EVEN IF STATE AND/OR LOCAL PERMITS ARE IN FORCE.

I Owner

Name (Corporation, Individual or Public Agency)			
Street Address	City	State	ZIP

II Facility

Facility Name		Owner, Foreman, Supervisor	
Street Address		Nearest Cross Street	
City	County		ZIP
Mailing Address	City	State	ZIP
Phone w/area code	Type of Business: ☐ 01 Motor Vehicle Fuel Station ☐ 02 Other:		
Number of Tanks at this Facility	Rural Areas Only: Township	Range	Section

III 24 Hour Emergency Contact Person

Days: Name (last name first) and Phone w/area code	Nights: Name (last name first) and Phone w/area code
Smith, D. L. 213-830-5205	Smith, D. L. 714-839-3027

COMPLETE THE FOLLOWING ON A SEPARATE FORM FOR EACH CONTAINER

IV Description

A. ☒ 01 Tank ☐ 02 Sump ☐ 03 Lagoon, Pit or Pond ☐ 04 Other: _____ Container Number (if none, give no number assigned only): LB-IGD-2

B. Manufacturer (if appropriate): _____ Year of Mfg.: _____ C. Year Installed: 1974 ☐ Unknown

D. Container Capacity: 10,000 gallons ☐ Unknown E. Container Repairs: ☒ 01 None ☐ 02 Unknown ☐ 03 Yes Year: _____

F. Is Container currently used? ☒ 01 Yes ☐ 02 No If No, year of last use: _____ ☐ 00 Unknown

G. Does the Container Store (Check One): ☐ 01 Waste ☒ 02 Product

H. Does the Container Store Motor Vehicle Fuel or Waste Oil? ☒ 01 Yes ☐ 02 No If Yes, Check appropriate box(es):

☐ 01 Unleaded ☐ 02 Regular ☐ 03 Premium ☒ 04 Diesel ☐ 05 Waste Oil ☐ 06 Other (List): _____

V Container Construction

A. Thickness of Primary Containment: _____ ☐ Gauge ☐ Inches ☐ cm ☒ Unknown

B. ☐ 01 Vaulted (Located in an underground Vault.) ☐ 02 Non-vaulted ☒ 03 Unknown

C. ☐ 01 Double Walled ☐ 02 Single Walled ☐ 03 Lined ☐ 04 Wrapped ☒ 05 Unknown ☐ 06 None

D. ☒ 01 Carbon Steel ☐ 02 Stainless Steel ☐ 03 Fiberglass ☐ 04 Polyvinyl Chloride ☐ 05 Concrete ☐ 06 Aluminum

☐ 07 Steel Clad ☐ 08 Bronze ☐ 09 Composite ☐ 10 Non-metallic ☐ 11 Earthen Walls

☐ 12 Unknown ☐ 13 Other: _____

E. ☐ 01 Rubber Lined ☐ 02 Alkyd Lining ☐ 03 Epoxy Lining ☐ 04 Phenolic Lining ☐ 05 Glass Lining ☐ 06 Clay Lining

☐ 07 Unlined ☒ 08 Unknown ☐ 09 Other: _____

F. ☐ 01 Polyethlene Wrap ☐ 02 Vinyl Wrapping ☐ 03 Cathodic Protection ☒ 04 Unknown ☐ 05 None ☐ 06 Other: _____

VI Piping

A. Associated Piping:	☒ 01 Above Ground	☐ 02 Underground	☐ 03 Vaulted	
B. Underground Piping:	☐ 01 Gravity	☐ 02 Pressure	☒ 03 Suction	☐ 04 Unknown
C. Piping Repairs:	☒ 01 None	☐ 02 Unknown	☐ 03 Yes. Year of most recent repair: _____	

VII Leak Detection

☐ 01 Visual ☒ 02 Stock Inventory ☐ 03 Tile Drain ☐ 04 Vapor Sniff Wells ☐ 05 Sensor Instrument

☐ 06 Ground Water Monitoring Wells ☐ 07 Pressure Test ☐ 08 Internal Inspection ☐ 09 None

☒ 10 Other: Water Test

VIII Chemical Composition of Materials *Currently* or *Previously* Stored in Underground Containers

If you checked yes to IV-H you are not required to complete this section

currently stored	previously stored	CAS # (If known)	Chemical (Do Not Use Common Name - Use additional paper for more room)
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		

Is Container located on an Agricultural Farm? ☐ 01 Yes ☒ 02 No

IX IMPORTANT! Read instructions before signing:

Signature: The form must be signed by 1) a principal executive officer at the level of vice-president or by an authorized representative. The representative must be responsible for the overall operation of the facility where the tank(s) are located, 2) a general partner proprietor, or 3) a principal executive officer, ranking elected official or authorized representative of a public agency.

This form has been completed under the penalty of perjury and, to the best of my knowledge, is true and correct.

Signature		Date
Printed Name: Stanley R. Roman	Title: Vice President IGD Sales	Phone w. area code: 215-481-8197

Send check to: Hazardous Substance Storage Statement, State Water Resources Control Board, P.O. Box 100, Sacramento, CA 95801-0100

Person Filing Statement	Phone w. area code
Eugene C. Crossland	215-481-5589

For additional forms or more information call 916/324-1262

FOR STATE USE ONLY

ID Number	Accounting Number	County Number
Date Received		

84 21A07

Air Products and Chemicals, Inc.
Box 538
Allentown, PA 18105
Telephone (215) 481-4911

RECEIVED
MAY 5 1986
DEPARTMENT OF PUBLIC WORKS
ENGINEERING SERVICES DIVISION

AIR PRODUCTS

28 April 1986

Hazardous Materials Underground
Storage
County of Los Angeles, Dept. of
Public Works
Engineering Services Division
2250 Alcazar Street
Los Angeles, CA 90033

RE: Air Products and Chemicals, Inc.
Long Beach, CA 90810

Dear Sir/Madam:

Enclosed are the registrations of underground storage tanks for the above referenced facility. We had anticipated removal of these tanks by now, since the plant operation have ceased, but tank removal has been delayed until this fall.

For this reason, we are registering these tanks for the iterim period until they are removed.

Please call Robert Swigart at (215) 481-8867 if you have any questions. Thank you for your cooperation with this matter.

Sincerely,

Air Products and Chemicals, Inc.

L. E. Whited
Production Manager

RJS/tms

Attachment

3036 B

APPLICATION FOR CLOSURE
HAZARDOUS MATERIALS UNDERGROUND STORAGE
COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
WASTE MANAGEMENT DIVISION
2250 ALCAZAR STREET
LOS ANGELES, CALIFORNIA 90033

CK # 3106 $255.00

OWNER:
NAME AIR PRODUCTS & CHEMICALS, INC
ADDRESS BOX 538 CITY ALLENTOWN STATE PA ZIP 18105

FACILITY:
NAME AIR PRODUCTS & CHEMICALS, INC.
SITE ADDRESS 23320 S. ALAMEDA ST. CITY CARSON ZIP
MAILING ADDRESS 23320 S. ALAMEDA ST CITY CARSON STATE ZIP
CONTACT PERSON DAVE SMITH TITLE FACILITY MGMT PHONE 213-830-5205

CLOSURE REQUESTED:
☐ TEMPORARY (REFER TO CONDITIONS A AND B ON BACK OF THIS FORM)
EFFECTIVE DATE OF CLOSURE
DATE OPERATION WILL RESUME
☒ PERMANENT, TANK(S) REMOVAL DISPOSAL DESTINATION AMR, ONTERIO, CA
(REFER TO CONDITIONS A AND C ON BACK OF THIS FORM)
☐ PERMANENT, TANK(S) IN PLACE
(REFER TO CONDITIONS A AND D ON BACK OF THIS FORM)

TANK(S) DESCRIPTION: (ATTACH ADDITIONAL LIST IF NECESSARY.)

TANK NO.	MATERIAL	AGE (YEARS)	CAPACITY (GAL)	MATERIALS STORED (PAST AND PRESENT)
1	STEEL	20	10,000	DIESEL
3	STEEL	20	3,000	GASOLINE
4	STEEL	20	2,000	WASTE OIL
5	STEEL	20	500	DIESEL

	YES	NO
HAS ANY UNAUTHORIZED DISCHARGE EVER OCCURRED AT THIS SITE?	☐	☒
HAVE STRUCTURAL REPAIRS EVER BEEN MADE ON THESE TANKS?	☐	☒
WILL NEW UNDERGROUND TANKS BE INSTALLED FOLLOWING CLOSURE?	☐	☒
WILL ANY WELLS, INCLUDING MONITORING WELLS, BE ABANDONED?	☐	☒

IF THE RESPONSE TO ANY OF THE ABOVE QUESTIONS IS YES, ATTACH EXPLANATION.

BY SIGNATURE BELOW THE APPLICANT CERTIFIES THAT HE/SHE HAS READ AND UNDERSTANDS THE CONDITIONS ON THE REVERSE SIDE OF THIS FORM AND THAT THE STATEMENTS AND DISCLOSURES ABOVE ARE TRUE AND CORRECT.

APPLICANT'S SIGNATURE Ronald S. Tillman DATE 7/28/87
OWNER ☐ OPERATOR ☐ CONTRACTOR INTERNATIONAL TECHNOLOGY CORPORATION
STATE LICENSE NO. 137422

TO BE COMPLETED BY THE COUNTY ENGINEER

BY SIGNATURE BELOW APPLICANT IS GRANTED APPROVAL TO PROCEED WITH THE CLOSURE.

FEE COLLECTED $ 255.00
PERMIT NO 3036 B
FILE NO 5385 R/C 22

Blair D Burgess DATE 7/29/87
TO ARRANGE FOR AN INSPECTION, TELEPHONE DON TRUMAN

LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
CLOSURE REPORT REQUIREMENTS

A closure report shall be submitted to the Los Angeles County Department of Public Works, Waste Management Division, P.O. Box 4089, Los Angeles, CA 90051 containing:

1. File number of facility and closure permit number.
2. Plot plan to scale showing locations of tanks, sampling points, buildings, adjacent streets and north arrow.
3. Description of methods for obtaining, handling and transporting samples.
4. Time and date samples were obtained.
5. If borings were established, boring logs certified by a CA Registered Geologist, CA Certified Engineering Geologist or CA Registered Civil Engineer with sufficient experience in soils.
6. Chain-of-custody documentation initiated by person obtaining sample through person at State Department of Health Services certified laboratory.
7. Disposal destination of tanks and evidence of legal disposal.
8. Analysis results by a State certified laboratory submitted on laboratory letterhead showing analysis date, methods of extraction and methods of analysis.
9. Documentation as to depth of groundwater at facility.
10. Manifests to document hazardous waste disposal of any removed soil.
11. Any observations of site contamination.
12. Remedial action plan to mitigate contamination.
13. Report to be signed by CA Registered Geologist, CA Certified Engineering Geologist or CA Registered Civil Engineer with sufficient experience in soils.

Signature Ronald S. [illegible] Date 7/28/87

CLOSURE PERMIT SUPPLEMENT
HAZARDOUS MATERIALS UNDERGROUND STORAGE
LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
WASTE MANAGEMENT DIVISION
2250 ALCAZAR STREET
LOS ANGELES, CALIFORNIA 90033

Closure Permit No. -3436 B
File No. I-5335-22

To satisfy the permanent closure requirements for underground storage tanks previously storing hazardous materials, site integrity must be demonstrated by the analysis of soil samples and, if applicable, groundwater samples as outlined below. These requirements are in addition to the conditions listed on the Application fo Closure or contained in an approved Closure Plan.

1. Samples shall be obtained at the sampling points (SP) indicated on the attached plot plan.

2. For each SP, samples shall be obtained at the following depths:

SP	Depth(s)	Compounds	Analysis Method
1,2	2' TO 4' BELOW TANK INVERT	T.P.H	EPA 8015 OR 418.1
3,4	" "	"	" "
5,6	" "	"	EPA 8015
7,8	" "	"	EPA 418.1

3. All soil samples obtained shall be undisturbed and unexposed prior to analysis. The method used to obtain the samples and the date of sampling shall be included in the final report.

4. If groundwater is encountered during sampling, a groundwater monitoring well shall be established at the most downgradient sampling point. The well shall be developed by removing a minimum of four well volumes and a groundwater sample shall be obtained and analyzed.

5. The analysis results for all soil samples shall be expressed in milligrams per kilogram (mg/kg). Analysis results for groundwater samples shall be expressed in parts per billion (ppb).

6. Analysis results shall be reported on laboratory letterhead and shall include the following information: a) The date the analysis was conducted; b) The method of extraction (if applicable); c) The method of analysis.

7. All soil/groundwater samples obtained shall be handled and transported to a laboratory in strict accordance with applicable EPA regulations utilizing chain-of-custody procedures. Chain-of-custody documentation shall be included in the final report.

8. If the soil/groundwater analysis indicates undefined contamination at the facility, additional sampling shall be required to define the vertical and lateral extent present.

9. A final report that contains all of the above required information shall be submitted to the office above within one (1) month from the sampling date or 180 days from the date of this permit, whichever earlier.

INTERNATIONAL TECHNOLOGY CORPORATION

By _____ Date _____ Subject _____ Sheet No. ____ of ____

Chkd. By ____ Date _____ Proj. No. _____

TANK REMOVAL FOR:

AIR PRODUCTS & CHEMICALS, INC.

23320 SOUTH ALAMEDA STREET

~~LONG BEACH~~ CARSON, CA

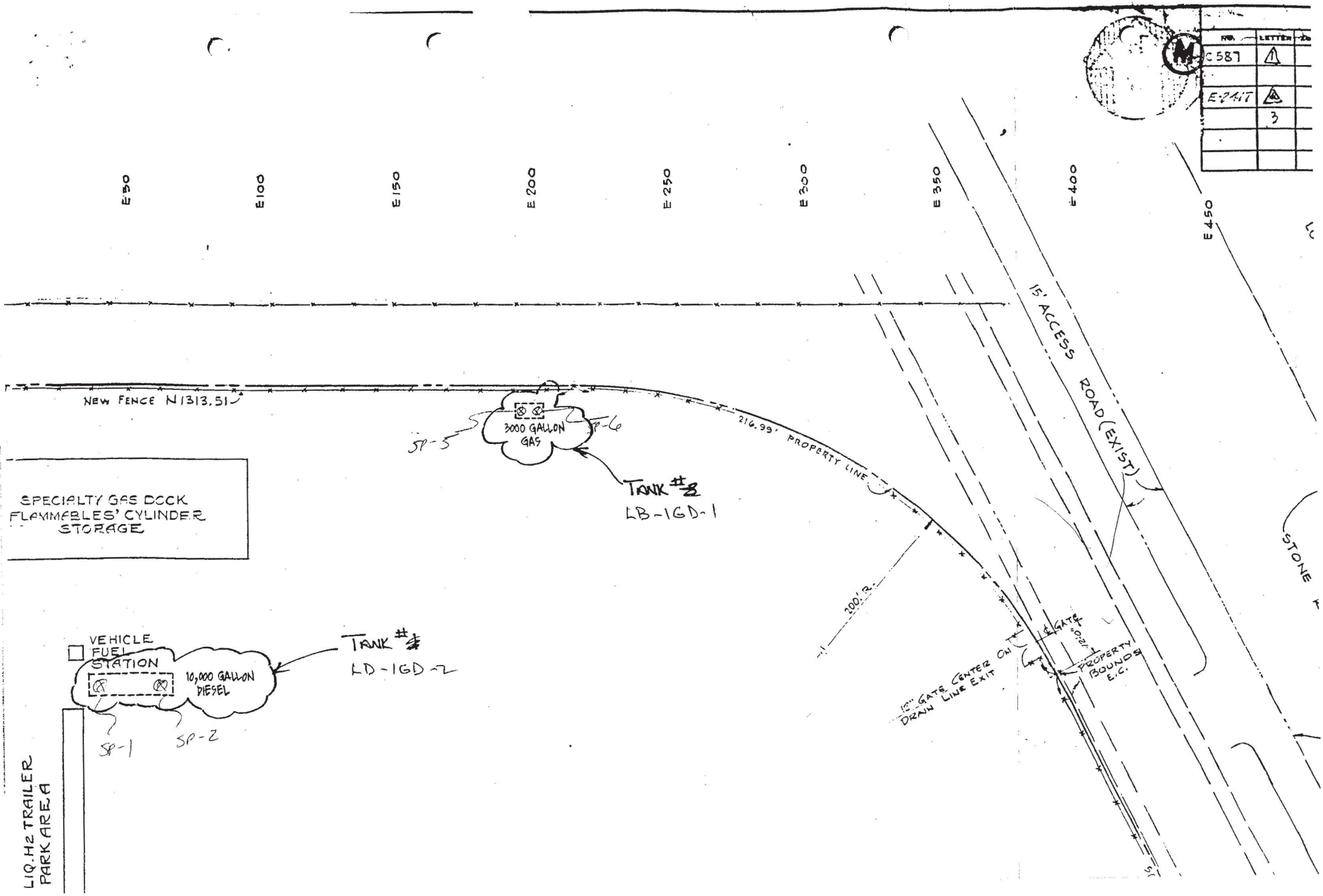
BY:

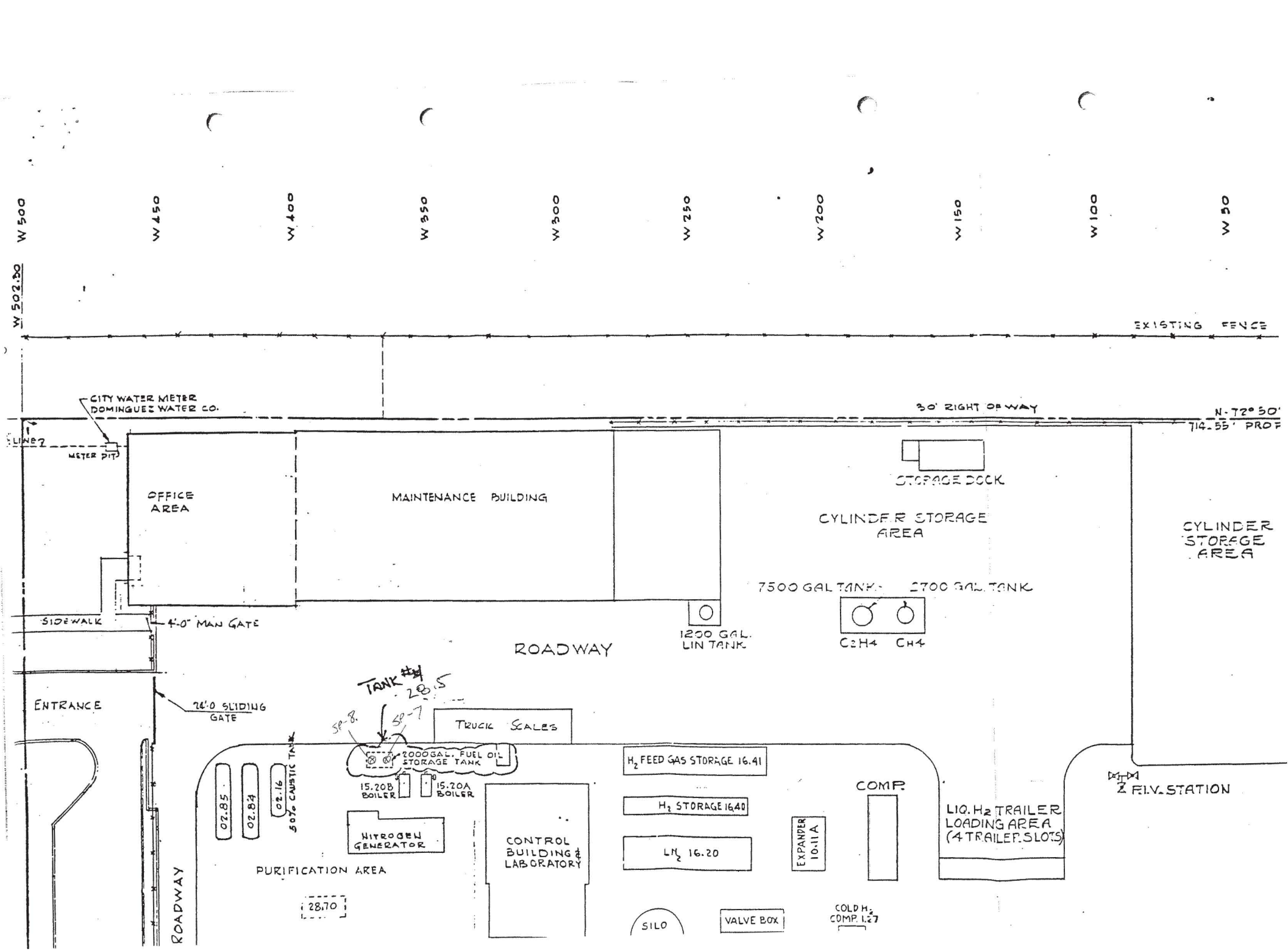
IT CORPORATION

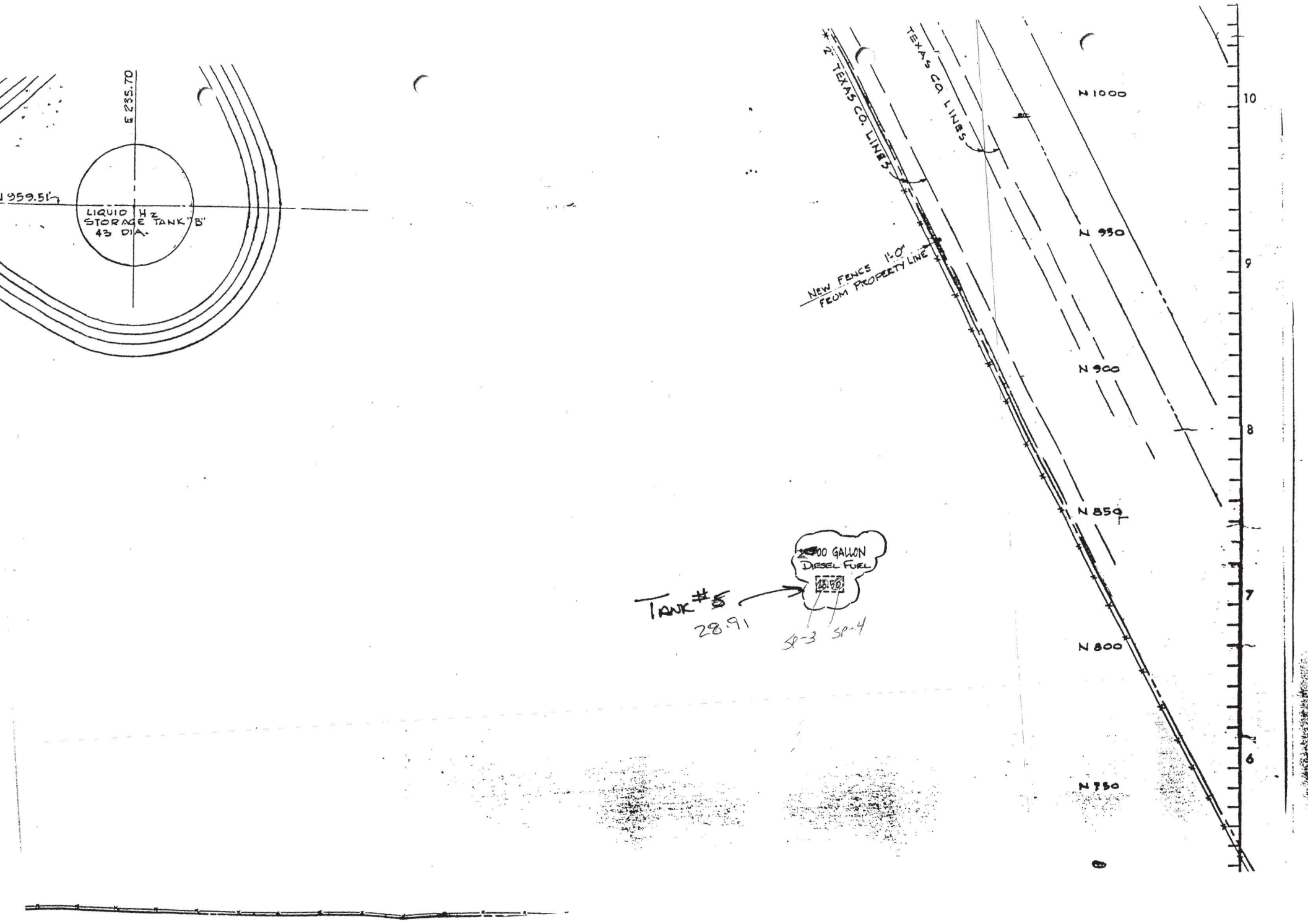
SCOPE: REMOVE:

TANK #	VOLUME	CONTENTS
1 LD-16D-2	10,000	Diesel
~~3~~ LB-16D-1	3,000	GASOLINE
4 28.5	2,000	W/ASTE OIL
~~5~~ 28.91	~~5000~~ 2000	Diesel

— SITE PLAN ATTACHED —


E50
E100
E150
E200
E250
E300
E350
E400
E450
NEW FENCE N1313.51
216.99' PROPERTY LINE
3000 GALLON GAS
SP-5
SP-6
TANK #3
LB-1GD-1
SPECIALTY GAS DOCK
FLAMMABLES' CYLINDER STORAGE
VEHICLE FUEL STATION
10,000 GALLON DIESEL
TANK #4
LD-1GD-2
SP-1
SP-2
LIQ. H2 TRAILER PARK AREA
15' ACCESS ROAD (EXIST)
100' R.
15" GATE CENTER ON DRAIN LINE EXIT
GATE
PROPERTY BOUNDS E.C.
STONE
C587
E-2417
3


W 500
W 450
W 400
W 350
W 300
W 250
W 200
W 150
W 100
W 50
W 502.50
EXISTING FENCE
CITY WATER METER
DOMINGUEZ WATER CO.
METER PIT
30' RIGHT OF WAY
N-72° 30'
714.55' PROF
OFFICE AREA
MAINTENANCE BUILDING
STORAGE DOCK
CYLINDER STORAGE AREA
CYLINDER STORAGE AREA
7500 GAL TANK
2700 GAL. TANK
C2H4
CH4
SIDEWALK
4'-0" MAN GATE
ROADWAY
1200 GAL. LIN TANK
ENTRANCE
24'-0 SLIDING GATE
TANK #1
28.5
58-8
58-7
TRUCK SCALES
2000 GAL. FUEL OIL STORAGE TANK
15.20B BOILER
15.20A BOILER
H2 FEED GAS STORAGE 16.41
02.85
02.84
02.16
50% CAUSTIC TANK
NITROGEN GENERATOR
PURIFICATION AREA
CONTROL BUILDING & LABORATORY
H2 STORAGE 16.40
LN2 16.20
EXPANDER 10-11A
COMP.
LIQ. H2 TRAILER LOADING AREA (4 TRAILER SLOTS)
2 F.I.V. STATION
28.70
SILO
VALVE BOX
COLD H2 COMP. 1.27
ROADWAY


E 235.70
N 959.51
LIQUID H2
STORAGE TANK "B"
43 DIA.
TEXAS CO. LINES
TEXAS CO. LINES
NEW FENCE 1'-0" FROM PROPERTY LINE
N 1000
N 950
N 900
N 850
N 800
N 750
10
9
8
7
6
2000 GALLON
DIESEL FUEL
TANK #5
2891
SP-3
SP-4

COUNTY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

Department of Public Works
Waste Management Division
24320 S. Narbonne Avenue
Lomita, CA 90717
(213) 534-4862

THOMAS A. TIDEMANSON, Director
HIAM BARMACK, Chief Deputy Director
JAMES L. EASTON, Chief Deputy Director
WYNN L. SMITH, Chief Deputy Director

ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 2419
LOS ANGELES, CALIFORNIA 90061

IN REPLY PLEASE
REFER TO FILE
I - 5385-22
P-3036-8

Attention: Carl Sjoberg

The address below was inspected for compliance with the Los Angeles County Code, Title 11, Division 4, underground storage of hazardous materials.

_ Tank(s) installation 4 Tank(s) removal

Company Name: Air Products & Chemicals 437-0461

Address 23320 S. Alameda St. Tel: (213) ~~830-5205~~

Owner/person responsible Dave Smith

Contractor I.T. Tel (714) 261-6441

Address 17461 Derian Ave., Irvine

Tank Store Size 1-10,000 Diesel; 1-~~2~~000 diesel; 3000 gasoline, 2000 waste oil

Waste oil ✓ Gasoline ✓ Diesel 2 Chemical _ I.W. _

Other _____

single containment ✓ secondary containment _ monitoring system _

secondary piping _ other _____

Date inspected 8/4/87

Complies ✓

Not comply _____

Most western diesel tank (listed as 500 gallon, but 2000 gallon) excavation highly contaminated. Clean up may be difficult due to the tank being adjacent to permanently tacked down machinery & above ground tanks. Rumored that plant will be demolished soon. Other excavations look fairly clean. Sampling techniques good.

Inspector Bonnie Keolian

Bonnie Keolian
Industrial Waste Engineering Inspector

5236 B

APPLICATION FOR CLOSURE
HAZARDOUS MATERIALS UNDERGROUND STORAGE
COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
WASTE MANAGEMENT DIVISION
2250 ALCAZAR STREET
LOS ANGELES, CALIFORNIA 90033

OWNER:
NAME Air Products & Chemicals, Inc
ADDRESS Box 538 CITY Allentown STATE PA ZIP 18105

FACILITY:
NAME Air Products & Chemicals, Inc.
SITE ADDRESS 23320 S. Alameda St. CITY Carson ZIP
MAILING ADDRESS 23320 S. Alameda St CITY Carson STATE ZIP
CONTACT PERSON Dave Smith TITLE Facility Mgmt PHONE 213-830-5205

CLOSURE REQUESTED:
☐ TEMPORARY (REFER TO CONDITIONS A AND B ON BACK OF THIS FORM)
EFFECTIVE DATE OF CLOSURE
DATE OPERATION WILL RESUME
☒ PERMANENT, TANK(S) REMOVAL DISPOSAL DESTINATION AMR, Ontario, CA
(REFER TO CONDITIONS A AND C ON BACK OF THIS FORM)
☐ PERMANENT, TANK(S) IN PLACE
(REFER TO CONDITIONS A AND D ON BACK OF THIS FORM)

TANK(S) DESCRIPTION: (ATTACH ADDITIONAL LIST IF NECESSARY.)

TANK NO.	MATERIAL	AGE (YEARS)	CAPACITY (GAL)	MATERIALS STORED (PAST AND PRESENT)
1	STEEL	20	10,000	DIESEL
3	STEEL	20	3,000	GASOLINE
4	STEEL	20	2,000	WASTE OIL
5	STEEL	20	500	DIESEL

	YES	NO
HAS ANY UNAUTHORIZED DISCHARGE EVER OCCURRED AT THIS SITE?	☐	☒
HAVE STRUCTURAL REPAIRS EVER BEEN MADE ON THESE TANKS?	☐	☒
WILL NEW UNDERGROUND TANKS BE INSTALLED FOLLOWING CLOSURE?	☐	☒
WILL ANY WELLS, INCLUDING MONITORING WELLS, BE ABANDONED?	☐	☒

IF THE RESPONSE TO ANY OF THE ABOVE QUESTIONS IS YES, ATTACH EXPLANATION.

BY SIGNATURE BELOW THE APPLICANT CERTIFIES THAT HE/SHE HAS READ AND UNDERSTANDS THE CONDITIONS ON THE REVERSE SIDE OF THIS FORM AND THAT THE STATEMENTS AND DISCLOSURES ABOVE ARE TRUE AND CORRECT.

APPLICANT'S SIGNATURE Ronald S. Tillman DATE 7/28/87
OWNER ☐ OPERATOR ☐ CONTRACTOR International Technology Corporation
STATE LICENSE NO. 137422

TO BE COMPLETED BY THE COUNTY ENGINEER

BY SIGNATURE BELOW APPLICANT IS GRANTED APPROVAL TO PROCEED WITH THE CLOSURE.

FEE COLLECTED $ 255.00
PERMIT NO 3036 B
FILE NO 5385 R/C 22

Blair D Burgess L DATE 7/29/87
TO ARRANGE FOR AN INSPECTION, TELEPHONE Don Tolman

PROVISIONAL
HAZARDOUS MATERIALS UNDERGROUND STORAGE PERMIT
COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
WASTE MANAGEMENT DIVISION
2250 ALCAZAR STREET
LOS ANGELES, CALIFORNIA 90033

PERMIT NO. 3293

EXPIRATION DATE NOV 27 1987

PERMISSION IS HEREBY GRANTED UNDER LACC TITLE 11, DIVISION 4 TO:

005385-22 <<<<<<<< FILE NUMBER

AIR PRODUCTS MFG CORP <<<<<<<< PERMITTEE
23320 S ALAMEDA ST
CARSON CA 90810

RE: 23320 S ALAMEDA ST <<<<<<<< FACILITY ADDRESS

TO STORE HAZARDOUS MATERIALS IN UNDERGROUND TANK(S) LOCATED AT THE FACILITY ABOVE.

NUMBER OF PERMITTED TANKS: 5

THIS PROVISIONAL PERMIT IS SUBJECT TO THE FOLLOWING REQUIREMENTS:

PART A — GENERAL CONDITIONS AND LIMITATIONS (ATTACHED).

PART B — AUTHORIZED HAZARDOUS MATERIAL STORAGE TANKS (ATTACHED).

PART C — SPECIFIC CONDITIONS AND LIMITATIONS:

1. THE PERMITTEE SHALL SUBMIT FOR APPROVAL AND IMPLEMENT A LEAK DETECTION PROGRAM (LDP) AND A TANK MONITORING PROGRAM (TMP) PREPARED IN ACCORDANCE WITH "UNDERGROUND STORAGE OF HAZARDOUS MATERIALS - GUIDELINES FOR EXISTING FACILITIES, OCTOBER 1986."

2. THE FOLLOWING TIME SCHEDULE SHALL APPLY TO SUBMITTALS REQUIRED BY THIS PROVISIONAL PERMIT:

   a. PERMIT FEE DUE BY (SEE INVOICE) To Be Billed

   b. TANK INTEGRITY TEST RESULTS DUE BY AUG 27 1987

   c. PROPOSALS FOR LDP AND TMP DUE BY AUG 27 1987

3. PERMIT EFFECTIVE DATE 5-5-86
   NOTE: THE EFFECTIVE DATE IS DETERMINED BY ORIGINAL DATE OF PERMIT APPLICATION.

PART D — SPECIAL CONDITIONS AND LIMITATIONS ATTACHED. YES [ ] NO [XX]

This Provisional Permit is valid only for the continued operation of tanks providing suitable storage and expires six (6) months from the date of issue. Permittee has until the expiration date to complete an approved LDP and to install and be in compliance with an approved TMP. Upon full compliance with the approved LDP and TMP and all other conditions and limitations, this Provisional Permit will be replaced by a full term Operational Permit for the remainder of the unexpired five (5) year term from the effective date unless otherwise noted in Part D above.

T. A. TIDEMANSON
DIRECTOR OF PUBLIC WORKS

BY _____ MAY 27 1987
WASTE MANAGEMENT DIVISION

PP801 10/86

UNAUTHORIZED DISCHARGES

20. As soon as any person in charge of a facility or responsible for emergency response for a facility has knowledge of any confirmed or unconfirmed unauthorized discharge of a hazardous material, such person shall take all necessary steps to ensure the discovery, containment, and cleanup of such discharge and shall notify the DPW of the occurrence as required.

21. Any owner or operator who has knowledge of a confirmed unauthorized discharge shall immediately notify the DPW.

22. Within the jurisdiction of the Los Angeles County Fire Department, an unauthorized discharge shall also be reported to the Los Angeles County Forester and Fire Warden, Fire Prevention and Conservation Bureau.

23. The permittee shall institute and complete all actions necessary to remedy the effects of any unauthorized discharge, whether sudden or gradual, and supply information on such actions to the DPW.

24. The continued use of, and permit approval for, existing facilities is subject to review and modification or termination by the DPW whenever there has been any unauthorized discharge. In determining whether continued underground storage in such facility is suitable, the DPW shall consider the age of the facility, the methods of containment, the methods of monitoring, the feasibility of the required retrofit, the concentration of the hazardous materials contained, the severity of potential unauthorized discharge and the suitability of other long term preventive measures.

EVALUATIONS AND INSPECTIONS

25. Whenever the approval or satisfaction of the DPW may be required for a design, monitoring, testing or other technical submittal by a permittee, the DPW may require such permittee, at the permittee's sole cost and expense, to retain a suitable qualified independent engineer, chemist or other appropriate professional consultant acceptable to the DPW, for the purpose of evaluating and rendering a professional opinion respecting the adequacy of such submittal.

26. The DPW conduct inspections for the purpose of ascertaining compliance by the permittee and effecting corrections of any conditions which would constitute any violation of any statute, code, rule or regulation affecting the underground storage of hazardous materials.

27. Whenever necessary for the purpose of investigation or enforcement, or whenever a representative of the DPW, County Health Officer, or Forester and Fire Warden has reasonable cause to believe that there exists in any structure or upon any premises any condition which constitutes a violation, said representative may enter such structure or premises at all reasonable times to inspect the same, or to perform any duty imposed by law.

28. The permittee shall conduct regular inspections of the facility to assure compliance with this permit and shall maintain logs or file reports in accordance with this permit.

29. The DPW may require the periodic employment of special inspectors to conduct an audit or assessment of permittee's facility to make a hazardous material safety evaluation and to determine compliance.

30. Permittee shall, within 30 days of said evaluation, file with the DPW a plan to implement all recommendations, or shall demonstrate to the satisfaction of the DPW why such recommendations shall not be implemented.

31. The DPW may require that any regular or special inspection by the permittee be made in the presence of a representative of the DPW. The DPW may further require advance notice of not less than 72 hours as to the availability of equipment, material and personnel required to conduct such inspections.

SUSPENSIONS AND REVOCATIONS

32. This permit is subject to suspension or revocation if conditions exist which would justify denial of a permit or if permittee fails to correct unsatisfactory conditions.

33. Failure to adhere to all applicable conditions and limitations of this permit shall constitute a willful violation of Title 11, Division 4 of the Los Angeles County Code and may result in civil or criminal penalties, revocation of this permit, or both.

PART B — TANK DATA
HAZARDOUS MATERIALS UNDERGROUND STORAGE PERMIT NO. 3293

AUTHORIZED HAZARDOUS MATERIAL STORAGE TANKS

TANK NUMBER	CAPACITY (GALLONS)	CONTENTS
28.91	2,000	Diesel
28.7	6,000	10% Waste NAOH Solution
28.5	2,000	Waste Oil
LB-1GD-1	3,000	Unleaded
LD-1GD-2	10,000	Diesel

PROVISIONAL
HAZARDOUS MATERIALS UNDERGROUND STORAGE PERMIT
COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
WASTE MANAGEMENT DIVISION
2250 ALCAZAR STREET
LOS ANGELES, CALIFORNIA 90033

PERMIT NO. 3293

EXPIRATION DATE NOV 27 1987

PERMISSION IS HEREBY GRANTED UNDER LACC TITLE 11, DIVISION 4 TO:

005385-22 <<<<<<<< FILE NUMBER

AIR PRODUCTS MFG CORP <<<<<<<< PERMITTEE
23320 S ALAMEDA ST
CARSON CA 90810

RE: 23320 S ALAMEDA ST <<<<<<<< FACILITY ADDRESS

TO STORE HAZARDOUS MATERIALS IN UNDERGROUND TANK(S) LOCATED AT THE FACILITY ABOVE.

NUMBER OF PERMITTED TANKS: 5

THIS PROVISIONAL PERMIT IS SUBJECT TO THE FOLLOWING REQUIREMENTS:

PART A — GENERAL CONDITIONS AND LIMITATIONS (ATTACHED).

PART B — AUTHORIZED HAZARDOUS MATERIAL STORAGE TANKS (ATTACHED).

PART C — SPECIFIC CONDITIONS AND LIMITATIONS:

1. THE PERMITTEE SHALL SUBMIT FOR APPROVAL AND IMPLEMENT A LEAK DETECTION PROGRAM (LDP) AND A TANK MONITORING PROGRAM (TMP) PREPARED IN ACCORDANCE WITH "UNDERGROUND STORAGE OF HAZARDOUS MATERIALS - GUIDELINES FOR EXISTING FACILITIES, OCTOBER 1986."

2. THE FOLLOWING TIME SCHEDULE SHALL APPLY TO SUBMITTALS REQUIRED BY THIS PROVISIONAL PERMIT:

   a. PERMIT FEE DUE BY (SEE INVOICE) To Be Billed

   b. TANK INTEGRITY TEST RESULTS DUE BY AUG 27 1987

   c. PROPOSALS FOR LDP AND TMP DUE BY AUG 27 1987

3. PERMIT EFFECTIVE DATE 5-5-86
   NOTE: THE EFFECTIVE DATE IS DETERMINED BY ORIGINAL DATE OF PERMIT APPLICATION.

PART D — SPECIAL CONDITIONS AND LIMITATIONS ATTACHED. YES [ ] NO [XX]

This Provisional Permit is valid only for the continued operation of tanks providing suitable storage and expires six (6) months from the date of issue. Permittee has until the expiration date to complete an approved LDP and to install and be in compliance with an approved TMP. Upon full compliance with the approved LDP and TMP and all other conditions and limitations, this Provisional Permit will be replaced by a full term Operational Permit for the remainder of the unexpired five (5) year term from the effective date unless otherwise noted in Part D above.

T. A. TIDEMANSON
DIRECTOR OF PUBLIC WORKS

BY _____ MAY 27 1987
WASTE MANAGEMENT DIVISION

PP801 10/86

PART B — TANK DATA
HAZARDOUS MATERIALS UNDERGROUND STORAGE PERMIT NO. 3293

AUTHORIZED HAZARDOUS MATERIAL STORAGE TANKS

TANK NUMBER	CAPACITY (GALLONS)	CONTENTS
28.91	2,000	Diesel
28.7	6,000	10% Waste NAOH Solution
28.5	2,000	Waste Oil
LB-1GD-1	3,000	Unleaded
LD-1GD-2	10,000	Diesel

COUNTY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

1540 ALCAZAR STREET
LOS ANGELES, CALIFORNIA 90033
Telephone: (213) 226-8111

THOMAS A. TIDEMANSON, Director
WYNN SMITH, Chief Deputy Director
CECIL BUGH, Assistant Director

ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 4089
LOS ANGELES, CALIFORNIA 90051

October 1, 1987

IN REPLY PLEASE
REFER TO FILE:
I-5385-

Mr. Ronald Shadman
Air Products Manufacturing Corporation
23320 South Alameda Street
Carson, CA 90810

Dear Mr. Shadman:

HAZARDOUS MATERIALS UNDERGROUND STORAGE
SITE INVESTIGATION PROPOSAL AND/OR REMEDIAL ACTION PLAN
FACILITY AT: 23320 South Alameda Street

The site investigation proposal and/or remedial action plan submitted on September 3, 1987 for the above facility has been reviewed by this office and found adequate. You may proceed with the plan as proposed unless otherwise indicated below.

You are cautioned that any contaminated soils or hazardous materials generated during the approved operation must be manifested and transported to a hazardous waste disposal facility as required by California Health and Safety Code, Division 20, Chapter 6.5, unless evidence is presented indicating that the material may be disposed of at a less restricted facility. Copies of all completed manifests shall be submitted to this office as part of the final report.

[ ] A Hazardous Waste Facility Permit or a Variance from permit requirements must be obtained from the State Department of Health Services and copies submitted to this office before commencing the proposed remedial action.

[X] NOTE Requirements pertaining to closure permit 3036B have been satisfied. Upon completing the site assessment and any required remedial action, the closure will be final
A written report containing the required information must be submitted to this office by November 6, 1987.

If you have any questions concerning this matter, please contact Mr. Blair Burgess at (213) 226-4437.

Very truly yours,

T. A. TIDEMANSON
Director of Public Works

By Blair O. Burgess
Waste Management Division

cc: IT Corp.

SI103 Rev. 3/87

COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
1648 ALCAZAR STREET
LOS ANGELES, CALIFORNIA 90033
Telephone: (213) 226-8111

THOMAS A. TIDEMANSON, Director
WYNN SMITH, Chief Deputy Director
CECIL BUGH, Assistant Director

ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 4089
LOS ANGELES, CALIFORNIA 90051

Long Beach - Ind Waste

October 1, 1987

IN REPLY PLEASE
REFER TO FILE:
I-5385-

Mr. Ronald Shadman
Air Products Manufacturing Corporation
23320 South Alameda Street
Carson, CA 90810

Dear Mr. Shadman:

HAZARDOUS MATERIALS UNDERGROUND STORAGE
SITE INVESTIGATION PROPOSAL AND/OR REMEDIAL ACTION PLAN
FACILITY AT: 23320 South Alameda Street

The site investigation proposal and/or remedial action plan submitted on September 3, 1987 for the above facility has been reviewed by this office and found adequate. You may proceed with the plan as proposed unless otherwise indicated below.

You are cautioned that any contaminated soils or hazardous materials generated during the approved operation must be manifested and transported to a hazardous waste disposal facility as required by California Health and Safety Code, Division 20, Chapter 6.5, unless evidence is presented indicating that the material may be disposed of at a less restricted facility. Copies of all completed manifests shall be submitted to this office as part of the final report.

[ ] A Hazardous Waste Facility Permit or a Variance from permit requirements must be obtained from the State Department of Health Services and copies submitted to this office before commencing the proposed remedial action.

[X] NOTE Requirements pertaining to closure permit 3036B have been satisfied. Upon completing the site assessment and any required remedial action, the closure will be final

A written report containing the required information must be submitted to this office by November 6, 1987.

If you have any questions concerning this matter, please contact Mr. Blair Burgess at (213) 226-4437.

Very truly yours,

T. A. TIDEMANSON
Director of Public Works

By Blair O. Burgess
Waste Management Division

cc: IT Corp.

SI103 Rev. 3/87

Waste 17

Air Products and Chemicals, Inc.
Box 538
Allentown, PA 18105
Telephone (215) 481-4911

AIR PRODUCTS

12 November 1987

704383
BDB

RECEIVED
NOV 19 1987
DEPARTMENT OF PUBLIC WORKS
ENGINEERING SERVICES DIVISION

Mr. Blair Burgess
Department of Public Works
P.O. Box 4089
Los Angeles, CA 90051

Re: I-5385
Air Products Manufacturing Corporation
Carson, California Facility

Dear Mr. Burgess:

Per our earlier telephone conversation and my subsequent conversations with Mr. Ronald Illium, of International Technologies Corporation, we request approval to temporarily postpone the investigation and remedial action planned for tank number 28.91 at our South Alameda Street facility.

The hydrogen plant served by tank 28.91 is no longer in operation. Current plans call for the dismantlement of the facility. Because the area, in which tank 28.91 was located, is overlain by process equipment and structural concrete, it would be necessary to let a separate contract for partial demolition to properly complete the action plan. In addition an inactive, and previously emptied and cleaned, tank lies to the south of 28.91. It too is overlain extensively by equipment and concrete.

It is our hope to dismantle the entire facility, thereby allowing ready access to both tank areas. In this fashion we could then remove the inactive tank and perform a complete remediation to the 28.91 tank area. Accordingly, we are proceeding with the treatment of the previously excavated soils, and request approval to delay further investigation of the 28.91 area until 1 April 1989.

If you should have any questions or require additional information please contact me at (215) 481-5154.

Sincerely,

G P Thompson

Gerard P. Thompson

GPT:js
3016K-W3

cc: Ronald Illium, Project Engineer
International Technology Corporation
17461 Derian Avenue
Suite 190
Irvine, California 92714

COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS

1540 ALCAZAR STREET
LOS ANGELES, CALIFORNIA 90033
Telephone: (213) 226-8111

THOMAS A. TIDEMANSON, Director

ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 4089
LOS ANGELES, CALIFORNIA 90051

December 14, 1987

IN REPLY PLEASE
REFER TO FILE: I-5385-22

Mr. Gerard P. Thompson
Air Products and Chemicals, Inc.
Box 538
Allentown, PA 18105

Dear Mr. Thompson:

HAZARDOUS MATERIAL UNDERGROUND STORAGE PERMIT
REQUEST FOR TIME EXTENSION
PERMIT NO. 3293
FACILITY LOCATION: 23320 South Alameda Street

Your request for time extension to complete requirements under the subject Provisional Hazardous Materials Underground Storage Permit (HMUSP) is hereby granted as follows:

[ ] Provisional HMUSP expiration date is extended to _____.

[ ] Tank integrity test results due by _____.

[ ] LDP/TMP proposals due by _____.

[X] Other: Site investigation proposal due date extended to January 15, 1988. Immediate action is required due to reported depth to groundwater.

The time extension(s) above apply only to obligations due under your Provisional HMUSP and do not extend the HMUSP effective date or full term operational permit expiration date.

If you have any questions, please contact Mr. Blair Burgess at (213) 226-4437.

T. A. Tidemanson
Director of Public Works

By Blair O Burgess
Waste Management Division

ET101

RECEIVED
JAN 20 1988
DEPARTMENT OF PUBLIC WORKS
ENGINEERING SERVICES DIVISION

13 Waste

Air Products and Chemicals, Inc.
Box 538
Allentown, PA 18105
Telephone (215) 481-4911

AIR PRODUCTS

I-5385

19 January 1988

810.25

Mr. Blair Burgess
County of Los Angeles
Department of Public Works
1540 Alcazard Street
Los Angeles, California 90023

BQB
800442

RE: Permit No. 3293
Air Products and Chemicals, Inc.
23320 South Alameda Street

Dear Mr. Burgess:

Per your 14 December 1987 letter and our 13 January 1987 telephone conversation, we are planning a two phased approach to the delineation and remediation of the soil contaimination, identified during the 4 August 1987 removal of the 2500 gallon diesel fuel tank.

Attached please find the Scope of Work, prepared by IT Corporation, to determine the depth of the existing contamination. Once we have determined if groundwater has been affected, we will prepare a proposal for determining the lateral extent of contamination along with remediation.

We plan to complete this first phase of work during the week of February 1, 1988.

If you should have any questions or require additional information, please contact me at (215) 481-5154.

Very truly yours,

Air Products and Chemicals, Inc.

GP Thompson

Gerard P. Thompson
Manager, Operations Environmental Engineering

GPT/tms

SCOPE OF WORK

Geophysical Underground Locator

Geophysical utility locating services will be used to delineate any utility conduits, subsurface piping, or other obstructions beneath proposed drilling locations.

Backfill Tank Excavation

Stockpiled soil from the tank excavation will be used as backfill. Prior to backfilling, any standing water will be pumped from the excavation. A sheet of Visqueen® plastic will be placed at the base. The fill material will be compacted in 1 to 2 foot lifts to provide a stable drilling platform.

Standing water will be sampled and analyzed for fuel hydrocarbons to determine appropriate disposition. The water will be removed with a vacuum truck and transported to an oil recycler, if necessary.

Drilling and Sample Collection

IT proposes to drill, log, and sample one soil boring (Boring B-1) within and three more (Borings B-2, B-3, and B-4) circumscribing the backfilled tank excavation of former Tank 28.91 (Refer to Figure 2 - Proposed Soil Boring Locations). The borings will be drilled using 10-inch outside diameter (O.D.), continuous-flight, hollow-stem augers. These borings will be advanced to the base of the soil contaminant plume or to first encounter of ground water, whichever is shallower. These borings will be used to determine the lateral and vertical extent of soil contamination and the presence or absence of near-surface ground water. Soil samples will be collected at 5 foot intervals during drilling for field observation and possible laboratory analysis. Headspace monitoring of soil cuttings using an HNu-model photoionization detector will corroborate further which samples will be submitted for chemical analysis.

Soil cuttings will be drummed on-site pending receipt of analytical results to determine appropriate disposal.

Drilling Without Sample Collection

One soil boring (Boring B-5) will be drilled to ground water in an area near but outside the soil contaminant plume. This boring will be drilled without sampling to a depth of 100 feet or to first encounter of ground water, whichever is shallower.

If ground water is encountered, a sample of aquifer material will be collected for grain size analysis to facilitate proper well installation. The boring will be terminated if a competent clay layer is encountered below the water table that is more than 5 feet thick. Care will be taken to preclude cross contamination of the uppermost aquifer. A sample of aquifer material will be collected for grain size analysis to facilitate proper well installation.

Laboratory Analyses

All analyses will be conducted by IT Analytical Services laboratory (ITAS) in Cerritos, California. Soil samples will be analyzed in accordance with the following U. S. EPA or U. S. EPA modified methods:

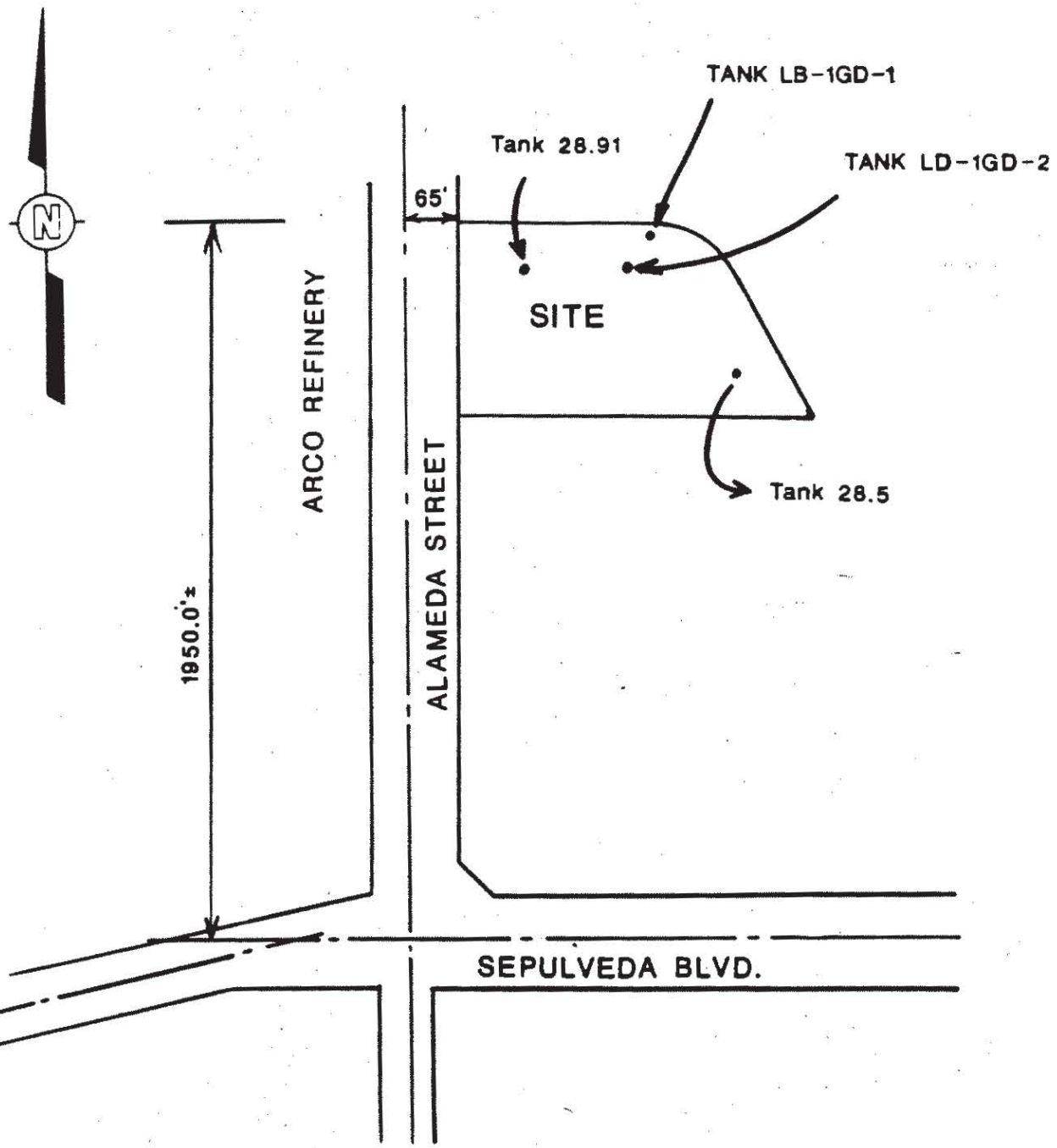
Total petroleum hydrocarbons modified (TPH) - EPA 418.1.
Flashpoint by Pensky-Martens closed cup tester - EPA 1010.
Total lead by direct aspiration, modified by California Department of Health Services (DOHS) - EPA 7420.
Benzene, toluene, xylene, and ethylbenzene (BTXE) - EPA 8020

We estimate that eight samples will be analyzed from the soil borings to determine analytically the degree of contamination and the depth at which diesel fuel contamination is no longer present. One surface water sample will be analyzed from the standing water in the tank excavation.

Report

Upon completion of the preliminary ground water site assessment and after receipt of analytical data, IT will prepare a detailed report documenting our field procedures, sample collection and preservation techniques, boring logs, analytical results, conclusions, and pertinent recommendations.

DRAWN BY	CHECKED BY	DRAWING NUMBER
KSC 1-11-88	APPROVED BY	B30852-A1



Not to Scale

Figure 1

Site Plan

Carson Facility

PREPARED FOR

Air Products and Chemicals, Inc.
Allentown, Pennsylvania

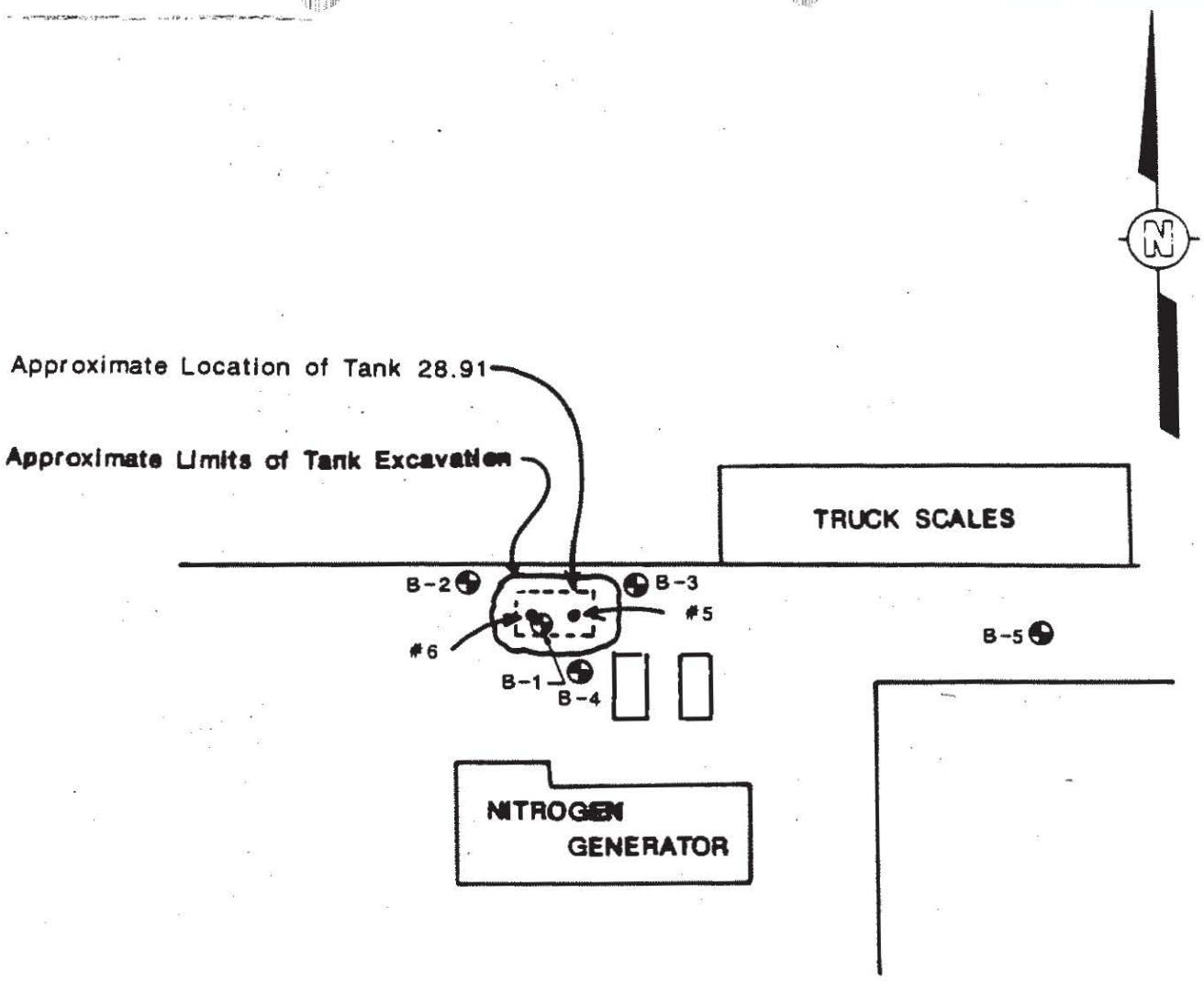
IT ... Creating a Safer Tomorrow

DRAWING NUMBER B30852-A2

DRAWN BY KSL 1-11-88

CHECKED BY CRP 1-11-88

APPROVED BY [illegible]



Not to Scale

LEGEND

#6 ● Soil Sample Location

B-1 ◔ Soil Boring Location

Figure 2

Proposed
Soil Boring Locations
Carson Facility

PREPARED FOR

Air Products and Chemicals, Inc.
Allentown, Pennsylvania

IT Creating a Safer Tomorrow

COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS

900 SOUTH FREMONT AVENUE
ALHAMBRA, CALIFORNIA 91803-1331
Telephone: (818) 458-5100

THOMAS A. TIDEMANSON, Director

ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 1460
ALHAMBRA, CALIFORNIA 91802-1460

12

March 16,1988

IN REPLY PLEASE REFER TO FILE: I-5385-22

Mr. Gerard Thompson
Air Products And Chemicals , Inc.
P.O. Box 538
Allentown , Pa 18105

Dear Mr. Thompson

HAZARDOUS MATERIALS UNDERGROUND STORAGE
SITE INVESTIGATION PROPOSAL AND/OR REMEDIAL ACTION PLAN
FACILITY AT: 23320 S. ALAMEDA ST., CARSON

The site investigation proposal and/or remedial action plan submitted on January 20, 1988 for the above facility has been reviewed by this office and found adequate. You may proceed with the plan as proposed unless otherwise indicated below.

You are cautioned that any contaminated soils or hazardous materials generated during the approved operation must be manifested and transported to a hazardous waste disposal facility as required by California Health and Safety Code, Division 20, Chapter 6.5, unless evidence is presented indicating that the material may be disposed of at a less restricted facility. Copies of all completed manifests shall be submitted to this office as part of the final report.

[ ] A Hazardous Waste Facility Permit or a Variance from permit requirements must be obtained from the State Department of Health Services and copies submitted to this office before commencing the proposed remedial action.

[x] NOTE The water well must be constructed down gradient of the former tank location. Water samples must be analyzed for T.P.H. (EPA 8015) and BTX ,(EPA 602).
A written report containing the required information must be submitted to this office by May 20, 1988 .

If you have any questions concerning this matter, please contact Mr. Blair Burgess at (818) 458-3507 .

Very truly yours,

T. A. TIDEMANSON
Director of Public Works

By Blair Burgess
Waste Management Division

cc: Mr. Ronald Shadman

SI103 Rev. 3/88

COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS

900 SOUTH FREMONT AVENUE
ALHAMBRA, CALIFORNIA 91803-1331
Telephone: (818) 458-5100

THOMAS A. TIDEMANSON, Director

ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 1460
ALHAMBRA, CALIFORNIA 91802-1460

June 24, 1988

IN REPLY PLEASE
REFER TO FILE: *I-5385-22*

Mr. Robert Swigart
Air Products and Chemicals, Inc.
P.O. Box 538
Allentown, Pa 18105

Dear Mr. Swigart

HAZARDOUS MATERIALS UNDERGROUND STORAGE
SITE INVESTIGATION REPORT
FACILITY AT: *23320 S. ALAMEDA STREET, CARSON*

This office reviewed the site investigation report submitted for the above facility. The report is not approved because of the reasons checked below:

[ ] The exact extent of contamination has not been defined. _____

[x] The proposed remedial action is inadequate. *The recommendations as stated in the report from International Technology Corp. should be better adhered.*

[ ] There is significant contamination at this site. Pursuant to Section 25297(b) of the California Health and Safety Code, we are referring the matter to the State Regional Water Quality Control Board. For further information regarding the Board's requirements, please contact Mr. Joshua Workman at 107 S. Broadway, Room 4027, Los Angeles, CA 90012, (213) 620-5662. All future correspondence shall be directed to the Board with a copy sent to this office.

[x] Other *A groundwater sample must be obtained and analyzed for TPH (EPA 8015) and B.T.X.E. (EPA 602).*

Make the required corrections as indicated above and submit a revised report to this office by August 26,1988.

If you have any questions concerning this matter, please contact *Mr. Blair Burgess* at (818) 458-*3507*.

Very truly yours,

T. A. TIDEMANSON
Director of Public Works

By _____
Waste Management Division

cc: *I.T. CORP., AIR PRODUCTS MFG. CORP.*

SI102 Rev. 3/88

B/4

Air Products and Chemicals, Inc.
Box 538
Allentown, PA 18105
Telephone (215) 481-4911

AIR PRODUCTS

850.16

6 July 1988

Department of Public Works
Cashier Section - Room 212
P.O. Box 4089, Terminal Annex
Los Angeles, Ca 90051

Re: Permit #3293 HMUSP
Air Products and Chemicals, Inc.
23320 S. Alameda Street
Carson, CA 90810

Dear Sir/Madam:

Please adjust our account for the above referenced facility according to closure permit 3036B. The attached letter documents the County file regarding these tank closures.

If you have any questions please contact me at 215/481-8867.

Sincerely,

Air Products and Chemicals, Inc.

Robert Swigart

R. J. Swigart
Operations Environmental Engineering

RJS/sah
5759E
attach.

cc: M. J. Sauers

MR R. Swigart
(215) 481-4911

8/4/87

wastes

Air Products and Chemicals, Inc.
Box 538
Allentown, PA 18105
Telephone (215) 481-4911

AIR PRODUCTS

20 July 1988

810.25.1

804136

County of Los Angeles
Department of Public Works
Hazardous Materials Underground Storage
P.O. Box 1460
Alhambra, CA 91802-1460

Attention: Blair Burgess

RE: File I-5385-22
Revised Report/Remedial Action Plan
Air Products and Chemicals, Inc.
23320 S. Alameda Street
Carson, California

RECEIVED
JUL 2 0 1988
DEPARTMENT OF PUBLIC WORKS
WASTE MANAGEMENT DIVISION

Dear Blair:

As mentioned in my 19 April 1988 correspondence, Air Products will employ an environmental consulting firm for the diesel contaminated soil remediation at our above referenced facility. Our selection will be made from one of the three firms I mentioned in our 19 July phone conversation.

As you requested, we will excavate to the extent that Benzene levels approach zero and total petroleum hydrocarbon (TPH) levels reach 100 - 300 ppm. Direct observation through excavating and sampling will best allow us to determine the extent of the clean-up required and whether additional analyses are warranted. We will then bio-treat the contaminated soil on-site to achieve less than 100 ppm TPH. More detailed information concerning the plan for bio-treatment will be provided to you when our contractor formulates a treatment program. Prior to excavation a health and safety plan will be submitted to you for approval before work begins.

We will forward our selected contractor's remedial plan as soon as possible. We would like to begin excavating by 6 September 19BB. If you have any questions, please contact me at (215) 481-8867 or Gerard P. Thompson at (215) 481-5154.

Sincerely,

Air Products and Chemicals, Inc.

Robert Swigart

Robert J. Swigart
Environmental Analyst

RJS/tms/7381K

Waste

901158

8604.3

South Coast
AIR QUALITY MANAGEMENT DISTRICT
9150 FLAIR DRIVE, EL MONTE, CA 91731 (818) 572-6200

February 24, 1989

Mr. Miguel Ortega
Ecova, Corporate Office
3820 159th Avenue NE
Redmond, WA 98052

5385

RECEIVED
MAR 08 1989
DEPARTMENT OF PUBLIC WORKS
WASTE MANAGEMENT DIVISION

Dear Mr. Ortega:

Reference is made to your letter dated February 1, 1989, and work plan regarding the applicability of District Rule 1166 to your proposed "Solid-Phase Bioremediation of Contaminated Soil" at the Air Products Chemicals site located at 233020 S. Alameda Street in Carson, California.

Based on the information provided in your letter, only diesel fuel has contaminated the soil. According to District Rule 1166 (copy attached), if the initial boiling point of the organics in the soil is greater than 302 degrees Fahrenheit and the VOC readings above the soil are expected to be below 50 ppm, then the project is exempt from the Rule requirements under section (d)(1)(B). However, if VOC readings are detected above the soil during soil handling at 50 ppm or above, you should have verification from a laboratory that the organics in the soil have a boiling point above 302 degrees Fahrenheit in order to qualify for the exemption under section (d)(1)(B).

Furthermore, for your information, a permit is required by District Rule 201 (copy attached) for treatment of soil with any type of equipment which enhances volatilization (such as a vapor extraction system) and/or emits/controls emissions. The proposed bioremediation treatment method for treatment of soil contaminated with high boiling point organics which meets the exemption described above does not require a Permit to Construct and Operate. Please be advised however, that appropriate mitigation measures should be implemented during soil handling and bioremediation to prevent violations of District Rules 402 (Nuisance) and 403 (Fugitive Dust) (copies attached).

If you have any questions, please call Mrs. Stacey Ebiner at (818) 572-6318.

Very truly yours,

William J. Dennison
Director of Engineering

Mohsen Nazemi, P.E.
Supervising A.Q. Engineer

SMKE

Attachments

cc: Mr. John Huff
County of Los Angeles
Department of Public Works
Waste Management Division
P.O. Box 1460
Alhambra, CA 91802-1460

waste

ECOVA

860.4.3

901291

RECEIVED
MAR 1 7 1989
DEPARTMENT OF PUBLIC WORKS
WASTE MANAGEMENT DIVISION

February 27, 1989

Mr. John Huff
County of Los Angeles
Department of Public Works
Waste Management Division
P.O. Box 1460
Alhambra, California 91802-1460

5385

Dear Mr. Huff:

On Friday, February 24, 1989, I received notice from Ms. Stacy Ebiner of the South Coast Air Quality Management District (SCAQMD) informing me that the soil bioremediation project we proposed to execute at the Air Products Chemicals, Inc. plant, located at 233020 South Alameda Street, Carson, California, is exempt from the provisions of the SCAQMD Rule 1166.

We will mobilize equipment on March 8, 1989 and begin excavation operations on March 9, 1989. We will send your office a copy of the Baseline and Process Monitoring Report during the latter part of June, 1989 with the Clearance Data Report (Final Report) to follow in September, 1989.

Thank you,

Miguel A. Ortega
Project Manager

cc: R.J. Swigart-APCI
E.L. Bannister-APCI

Corporate Office
3820 159th Avenue NE
Redmond, WA 98052
(206) 883-1900
(206) 867-2210 FAX

Gulf Coast Region
12790 Merit Drive #220
Lock Box 145
Dallas, TX 75251
(214) 404-7540
(214) 404-7545 FAX

Eastern Region
500 Fifth Avenue
Suite 935
New York, NY 10110
(212) 840-1042
(212) 840-1663 FAX

38-0004 DPW 8/87

LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS
WASTE MANAGEMENT DIVISION

BILLING ADJUSTMENT

FN 5385 PN 3293 DR No.

BILLING

	Increase	Batch ID No.	Decrease	Batch ID No.
CO				
SS				

	Increase	Batch ID No.	Decrease	Batch ID No.
CO	68	601		
SS				

Trust Increase Batch ID No.

Trust Decrease Batch ID No. DR No.

Comment pd., no DR# per Carl

FN PN DR No.

BILLING

	Increase	Batch ID No.	Decrease	Batch ID No.
CO				
SS				

	Increase	Batch ID No.	Decrease	Batch ID No.
CO				
SS				

Trust Increase Batch ID No.

Trust Decrease Batch ID No. DR No.

Comment

BY Judy A Burrea Date 5-12-89

Waste
$10.25

Air Products and Chemicals, Inc.
7201 Hamilton Boulevard
Allentown, PA 18195-1501
Telephone (215) 481-4911
Telex: 847416
Fax: (215) 481-5900

AIR PRODUCTS

RECEIVED
DEC 01 1989
DEPARTMENT OF PUBLIC WORKS
WASTE MANAGEMENT DIVISION

20 November 1989

Department of Public Works
Waste Management Division
P.O. Box 1460
Alhambra, CA 91802-1460

Re: Underground Storage Tank Update
Permit #3293
Air Products Manufacturing Corp.
23320 S. Alameda Street
Carson, CA

Dear Sir/Madam:

Enclosed please find the completed underground storage tank (UST) update forms for our above referenced facility. This plant was shutdown in March of 1986. Tank #28.70 was emptied and washed in July-August 1986 and has not been in use since. This tank had been used to store a 10% sodium hydroxide/90% water solution.

In August 1987 four other UST's were removed at this facility. The fifth tank #28.70 could not be removed because it is covered by a concrete equipment pad in a section of the plant where there are overhead pipe rack supports. This section would have to be demolished before tank #28.70 could be removed. We, therefore, would like to complete the requirements for permanent closure of this tank in place.

During investigations related to the removal of the other UST's, we were able to cut through the concrete pad near tank #28.70 and take a soil boring. This soil boring was analyzed for pH at 5 foot intervals down to 30 feet. The pH ranged from 7.6 to 8.3 standard units and would indicate that this caustic tank (10% NaOH/90% water) had never leaked. In addition an impervious concrete pad covers the tank, and the surrounding area, thus preventing any infiltration of surface water. The depth to groundwater at this site is 65 feet.

Given the above, please verify that this tank has met the requirements of permanent closure in place, or that it must still be filled with an inert material. If you have any questions, please call me at (215) 481-8867.

Sincerely,

Air Products and Chemicals, Inc.

Robert Swigart

Robert J. Swigart
Environmental Coordinator

RJS/mmj/9467K
Enclosures 3

COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS

900 SOUTH FREMONT AVENUE
ALHAMBRA, CALIFORNIA 91803-1331
Telephone: (818) 458-5100

THOMAS A. TIDEMANSON, Director

ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 1460
ALHAMBRA, CALIFORNIA 91802-1460

11/09/89

AIR PRODUCTS MFG CORP
0 P .O BOX 538
ALLENTOWN PA 18105

005385 2 2

Dear Underground Tank Owner/Operator:

FACILITY LOCATION: 23320 S ALAMEDA ST
PERMIT NUMBER: 00003293 NUMBER OF TANKS: 1

The recent enactment of Federal regulations for the control and monitoring of underground storage tanks (USTs) has made it necessary for local agencies and the State Water Resources Control Board to update information on file about the USTs at your facility and the ownership of these tanks. The State has developed the enclosed Form "A" (Site) and Form "B" (Tank) to record the required information.

The enclosed forms have been preprinted with information presently on file for the subject location. Please correct any erroneous data and complete the remaining information as described on the enclosed instructions. One Form "A" is required for each location where USTs exist and one Form "B" is required for EACH TANK at that location.

The completed forms must be submitted 30 days from date of this letter to:

DEPARTMENT OF PUBLIC WORKS
WASTE MANAGEMENT DIVISION
P.O. BOX 1460
ALHAMBRA, CA 91802-1460

This submittal is mandatory to maintain your UST permit

There is no fee required for this submittal. However, if there are USTs at this location that were not previously registered, you will be liable for additional permit and State surcharge fees. If some or all of the USTs shown for this location have been closed, so indicate on Form "B" and include the Closure Permit number on your submittal. Please note that USTs permitted for closure will remain on the record until ALL required post-closure information has been submitted and approved.

Your cooperation will greatly assist State and local compliance with UST regulations. Please contact the Waste Management Division, UST Unit, at (818) 458-3517 if you have any questions or need additional forms.

Very truly yours:

T. A. TIDEMANSON
Director of Public Works

PERMIT APPLICATION SUPPLEMENT/NOTICE TO FILE
HAZARDOUS MATERIALS UNDERGROUND STORAGE PERMIT
Los Angeles County Department of Public Works
Waste Management Division
900 South Fremont Avenue
Alhambra, CA 91803-1331

DUE DATE: _____

DPW USE ONLY
FILE #
PERMIT #
FAC CODE
SEC CODE
STATE ID #
TOF TDF

THIS FORM MUST ACCOMPANY ALL TANK PERMIT APPLICATIONS TO OPERATE UNDERGROUND STORAGE TANKS
See instructions on back of this form

IF THERE ARE NO UNDERGROUND TANKS AT THIS FACILITY, GO TO PARTS F & G.

(A)

Air Products MFG
FACILITY NAME
7201 Hamilton BLVD
MAILING ADDRESS
Allentown PA 18195-1501
CITY STATE ZIP
23320 S. Alameda St
FACILITY LOCATION

(B) APPLICATION IS HEREBY MADE FOR A HAZARDOUS MATERIAL UNDERGROUND STORAGE PERMIT (***HMUSP***) TO OPERATE AND MAINTAIN UNDERGROUND STORAGE TANKS WITHIN LOS ANGELES COUNTY JURISDICTION.
NEW PERMIT ☐ **EXISTING PERMIT RENEWAL** ☐

EXISTING PERMIT NUMBER 1
NUMBER OF TANKS AT FACILITY _____

(C) ASSESSOR PARCEL IDENTIFICATION (OBTAIN FROM PROPERTY TAX BILL):

MAP BOOK NUMBER _____ PAGE NUMBER _____ PARCEL NUMBER _____

(D) THIS SUPPLEMENT MUST BE ACCOMPANIED BY:

[1] ONE COPY OF STATE FORM **"A"**, FACILITY/SITE INFORMATION, FOR EACH SITE.
[2] ONE COPY OF STATE FORM **"B"**, TANK PERMIT APPLICATION INFORMATION, FOR EACH TANK.
[3] LEAK DETECTION PROGRAM (***LDP***) AND TANK MONITORING PROGRAM (***TMP***) PROPOSALS.
[4] HMUSP APPLICATION FEE (COMPLETE PART E)

(E) HAZARDOUS MATERIALS UNDERGROUND STORAGE PERMIT (HMUSP) FEE SCHEDULE:

THE HMUSP APPLICATION FEE SHALL BE THE FIRST ANNUAL PERMIT MAINTENANCE FEE.
CIRCLE AMOUNT REMITTED

NUMBER OF TANKS:	HMUSP (APPLICATION FEE)		ANNUAL PERMIT MAINTENANCE FEE		STATE SURCHARGE		TOTAL FEES DUE
1	$171	+	$119	+	$ 56	=	$346
2	$201	+	$139	+	$112	=	$452
3	$231	+	$159	+	$168	=	$558
4	$261	+	$179	+	$224	=	$664
5	$291	+	$199	+	$280	=	$770
6 or more tanks	$141 + $30 per tank	+	$99 + $20 per tank	+	$56 per tank	=	_____

MAKE CHECKS PAYABLE TO: ***"L. A. COUNTY DEPARTMENT OF PUBLIC WORKS"***

(F) FACILITIES CLAIMING AN EXEMPTION TO REGULATION MUST COMPLETE THIS SECTION:

☐ THERE ARE NO UNDERGROUND STORAGE TANKS WITHIN THIS FACILITY.
☐ FINAL INTERCEPTOR(S) REGULATED UNDER INDUSTRIAL WASTE PERMIT No. _____.
☐ UNDERGROUND CONTAINERS WITHIN THIS FACILITY ARE USED ONLY FOR EMERGENCY SPILL CONTAINMENT FOR ABOVE GROUND STORAGE TANKS.
☐ OTHER (ATTACH A WRITTEN STATEMENT)

(G) ALL PERSONS FILING THIS FORM MUST COMPLETE THIS SECTION:

SIGNATURE _____ TITLE _____

PRINTED NAME _____ DATE _____

INSTRUCTIONS:

HAZARDOUS MATERIALS UNDERGROUND STORAGE PERMIT (***HMUSP***)
APPLICATION SUPPLEMENT

DO NOT USE THIS FORM FOR CLOSURE OR TRANSFER OF AN EXISTING *HMUSP*, A NEW CONSTRUCTION PLAN CHECK, OR AN ADDITIONAL APPROVAL.

(A) Facility name, mailing address and facility address on new permit applications must correspond with information on Part I of the State Form **"A"**, Facility/Site Information. Please correct mailing label information if affixed.

(B) This application supplement is to be used for application to operate and maintain existing tanks located within the jurisdiction of the Department of Public Works. Facilities located within the corporate limits of the cities of Burbank, Glendale, Long Beach, Los Angeles, Pasadena, San Fernando, Santa Monica, Torrance and Vernon should contact the respective local agencies directly for permit information. Permit renewal is authorized only if no ownership change has occurred. Specify the number of tanks at the facility.

(C) Assessor parcel identification is required for new permit applications only.

(D) The applicant is responsible for completing ***all*** information requested on State Forms **"A"** and **"B"**. The Department of Public Works Underground Tank Inspector will not fill out these forms for you. This application is due by the date indicated. If you are unable to submit your ***LDP/TMP*** by the due date, a Provisional ***HMUSP*** will be issued granting up to 90 days to complete your submittal. Evidence of safe storage must be submitted with this application to qualify for a provisional ***HMUSP***.

(E) The total fees to accompany this application represent the ***HMUSP*** application fee, the first annual ***HMUSP*** maintenance fee plus the State surcharge. Future annual ***HMUSP maintenance fees*** will be payable upon billing by the Department of Public Works.

(F) Persons that have been notified to file for a ***HMUSP*** and do not store any hazardous materials underground should check the appropriate box and return this form to avoid any unnecessary follow-up mailings.

The storage of hazardous waste in an underground tank where the specific tank is named in hazardous waste facility permit issued by the California Department of Health Services is not subject to the ***HMUSP*** requirements. Owners of such facilities must furnish a copy of the State permit for facilities where this exclusion is requested.

<u>Final</u> interceptors in industrial waste pretreatment systems, catch basins, refinery pipelines, lagoons, storm drains, oil field gathering lines, well cellars, above ground storage tank spill containment, unlined pits or sumps, and piping not directly associated with a permitted facility are not subject to a ***HMUSP***. *Claims for exemption are subject to verification.*

(G) This ***HMUSP*** application supplement and each State **"A"** or **"B"** must be signed by:

1) A principal executive officer at the level of vice-president or by an authorized representative. The representative must be responsible for the overall operation of the facility where the tank(s) are located.
2) A general partner proprietor.
3) A principal executive officer, ranking elected official or authorized representative of a public agency.

LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS

Waste Management Division

FORM 'A':
SITE

UNDERGROUND STORAGE TANK PROGRAM

FACILITY/SITE INFORMATION

COMPLETE THIS FORM FOR EACH FACILITY/SITE

MARK ONLY ONE ITEM
☐ 1 NEW PERMIT ☐ 2 INTERIM PERMIT ☐ 3 RENEWAL PERMIT ☐ 4 AMENDED PERMIT ☒ 5 CHANGE OF INFORMATION ☐ 6 TEMPORARY SITE CLOSURE ☐ 7 PERMANENTLY CLOSED SITE

I. FACILITY/SITE INFORMATION & ADDRESS — (MUST BE COMPLETED)

FACILITY/SITE NAME: AIR PRODUCTS MFG CORP	CARE OF ADDRESS INFORMATION: APMC, 2021 E. Rosecrans Ave., El Segundo
ADDRESS: 23320 S ALAMEDA ST	NEAREST CROSS STREET: Sepulveda; ☑ Box to indicate ☒ CORPORATION ☐ INDIVIDUAL ☐ PARTNERSHIP ☐ LOCAL-AGENCY ☐ COUNTY-AGENCY ☐ STATE-AGENCY ☐ FEDERAL-AGENCY
CITY NAME: CARSON	STATE: CA; ZIP CODE: 90810; SITE PHONE #, WITH AREA CODE: 213-518-0430
TYPE OF BUSINESS: ☐ 1 GAS STATION ☐ 2 DISTRIBUTOR ☐ 3 FARM ☐ 4 PROCESSOR ☒ 5 OTHER; ☑ Box if INDIAN RESERVATION or TRUST LANDS ☐	EPA ID #: CAT080010655; # of TANK's AT THIS SITE: 1

EMERGENCY CONTACT PERSON (PRIMARY)		EMERGENCY CONTACT PERSON (SECONDARY)	
DAYS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE	DAYS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE
Mangas, John	213-643-8691	O'Connell, Dan	213-518-0430
NIGHTS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE	NIGHTS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE
Mangas, John	714-962-3655	O'Connell, Dan	714-840-8337

II. PROPERTY OWNER INFORMATION & ADDRESS — (MUST BE COMPLETED)

NAME: Air Products and Chemicals, Inc.	CARE OF ADDRESS INFORMATION:
MAILING or STREET ADDRESS: 7201 Hamilton Boulevard	☑ Box to indicate ☒ CORPORATION ☐ INDIVIDUAL ☐ PARTNERSHIP ☐ LOCAL-AGENCY ☐ COUNTY-AGENCY ☐ STATE-AGENCY ☐ FEDERAL-AGENCY
CITY NAME: Allentown, PA	STATE: PA; ZIP CODE: 18195-1501; PHONE #, WITH AREA CODE: 215-481-8867

III. TANK OWNER INFORMATION & ADDRESS — (MUST BE COMPLETED)

NAME: Air Products and Chemicals, Inc.	CARE OF ADDRESS INFORMATION:
MAILING or STREET ADDRESS: 7201 Hamilton Boulevard	☑ Box to indicate ☒ CORPORATION ☐ INDIVIDUAL ☐ PARTNERSHIP ☐ LOCAL-AGENCY ☐ COUNTY-AGENCY ☐ STATE-AGENCY ☐ FEDERAL-AGENCY
CITY NAME: ALLENTOWN	STATE: PA; ZIP CODE: 18195-1501; PHONE #, WITH AREA CODE: 215-481-8867

IV. LEGAL NOTIFICATION AND BILLING ADDRESS

CHECK ONE (1) BOX INDICATING WHICH ABOVE ADDRESS SHOULD BE USED FOR BOTH LEGAL NOTIFICATION AND BILLING: I. ☐ II. ☐ III. ☒

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT.

APPLICANT'S NAME (PRINTED & SIGNATURE)	DATE
Robert J. Swigart *Robert Swigart*	20 NOV 89

LOCAL AGENCY USE ONLY

COUNTY #	JURISDICTION #	AGENCY #	FILE #	# of TANKS at SITE
19	000	001	005385	

CURRENT LOCAL AGENCY FACILITY ID #	APPROVED BY NAME	PHONE # WITH AREA CODE
00000003098		

PERMIT NUMBER	PERMIT APPROVAL DATE	PERMIT EXPIRATION DATE
00003293	05/05/86	

LOCATION CODE	CENSUS TRACT #	SUPERVISOR-DISTRICT CODE	BUSINESS PLAN FILED	DATE FILED
22			YES ☐ NO ☐	

CHECK #	PERMIT AMOUNT	SURCHARGE AMOUNT	FEE CODE	RECEIPT #	BY:

LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS
Waste Management Division

FORM 'A':
SITE

UNDERGROUND STORAGE TANK PROGRAM
FACILITY/SITE, INFORMATION

INSTRUCTIONS FOR COMPLETING THIS FORM

GENERAL INSTRUCTIONS:

1. One FORM "A" shall be completed for all **NEW PERMITS, PERMIT CHANGES** or any **FACILITY/SITE INFORMATION CHANGES.**
2. **SUBMIT ONLY ONE (1) FORM "A"** for a Facility/Site, regardless of the number of tanks located at the site.
3. This form should be completed by either the **PERMIT APPLICANT.**
4. Please type or print clearly all requested information.
5. Use a hard point writing instrument, you are making 3 copies.

TOP OF FORM: "MARK ONLY ONE ITEM"

1. Mark an (X) in the box next to the item that best describes the reason the form is being completed.

I. FACILITY/SITE INFORMATION & ADDRESS - (MUST BE COMPLETED)

1. Record name and address (physical location) of the underground tank(s).
   NOTE: Address MUST have a valid physical location including city, state, and zip code.
   P.O. BOX NUMBERS ARE NOT ACCEPTABLE.
   Include nearest cross street and care of address information if appropriate.
2. Check the appropriate box for TYPE OF BUSINESS.
3. Check the appropriate box for TYPE OF BUSINESS OWNERSHIP.(ex. CORPORATION, INDIVIDUAL, etc.)
4. If Facility/Site is located on land within an indian reservation or other indian trust lands, check the box marked "YES".
5. Phone number must have an area code. If the night number is the same, write "SAME" in proper location.
6. Record the E.P.A. ID # or write "NONE" in the space provided.
7. Indicate the NUMBER of TANKS at this SITE.

II. PROPERTY OWNER INFORMATION & ADDRESS - (MUST BE COMPLETED)

1. Complete all items in this section, unless all items are the same as SECTION 1; If the same, write **"SAME AS SITE"** across this section. Be sure to check PROPERTY OWNERSHIP TYPE box.

III. TANK OWNER INFORMATION & ADDRESS - (MUST BE COMPLETED)

1. Complete all items in this section, unless all items are the same as SECTION I; If the same, write **"SAME AS SITE"** across this section. Be sure to check TANK OWNERSHIP TYPE box.

IV. LEGAL NOTIFICATION AND BILLING ADDRESS

1. Check **ONE BOX** for the address that will be used for **BOTH LEGAL and BILLING NOTIFICATIONS.**

Applicant must sign and date form as indicated.

IT IS THE RESPONSIBLITY OF THE LOCAL AGENCY THAT INSPECTS THE FACILITY/SITE TO VERIFY THE ACCURACY OF THE INFORMATION. THE LOCAL AGENCY IS RESPONSIBLE FOR THE COMPLETION OF THE "LOCAL AGENCY USE ONLY" INFORMATION BOX AND FOR FORWARDING ONE FORM "A" AND ASSOCIATED FORM "B"(s) TO THE FOLLOWING ADDRESS:

DEPARTMENT OF PUBLIC WORKS
WASTE MANAGEMENT DIVISION
P.O. BOX 1460
ALHAMBRA, CA 91802-1460

LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS
Waste Management Divisic
UNDERGROUND STORAGE TANK PROGRAM
FACILITY/SITE INFORMATION
COMPLETE THIS FORM FOR EACH FACILITY/SITE

FORM 'B':
TANK

MARK ONLY ONE ITEM							
	☐ 1 NEW PERMIT	☐ 3 RENEWAL PERMIT	☒ 5 CHANGE OF INFORMATION	☐ 7 PERMANENTLY CLOSED TANK
	☐ 2 INTERIM PERMIT	☐ 4 AMENDED PERMIT	☐ 6 TEMPORARY TANK CLOSURE	☐ 8 TANK REMOVED

FACILITY/SITE NAME WHERE TANK IS INSTALLED: FARM TANK - YES ☐ NO ☒

I. TANK DESCRIPTION COMPLETE ALL ITEMS - IF UNKNOWN — SO SPECIFY

A. OWNERS TANK ID # 28.70	B. MANUFACTURED BY: Unknown
C. YEAR INSTALLED 1962	D. TANK CAPACITY IN GALLONS: 6,000

II. TANK CONTENTS IF (A.1), IS MARKED, COMPLETE ITEM C. IF (A.1), IS NOT MARKED, COMPLETE ITEM D.

A.	B.	C.
☐ 1 MOTOR VEHICLE FUEL ☐ 2 PETROLEUM	☐ 1 PRODUCT	☐ 1 UNLEADED ☐ 2 LEADED ☐ 3 DIESEL
☐ 3 CHEMICAL PRODUCT ☐ 4 OIL	☐ 2 WASTE	☐ 4 GASAHOL ☐ 5 JET FUEL ☐ 6 AVIATION GAS
☐ 5 HAZARDOUS ☒ 80 EMPTY ☐ 95 UNKNOWN		☐ 7 METHANOL ☐ 99 OTHER (DESCRIBE IN ITEM D, BELOW)

D. IF NOT MOTOR VEHICLE FUEL, ENTER NAME OF HAZARDOUS SUBSTANCE STORED & C.A.S. # 10% WASTE NaOH Solution C.A.S. #:

III. TANK CONSTRUCTION MARK ONE ITEM ONLY IN BOX A, B, C, & D

A. TYPE OF SYSTEM	☐ 1 DOUBLE WALLED	☐ 3 SINGLE WALLED WITH EXTERIOR LINER		☐ 95 UNKNOWN
	☒ 2 SINGLE WALLED	☐ 4 SECONDARY CONTAINMENT		☐ 99 OTHER
B. TANK MATERIAL	☒ 1 STEEL/IRON	☐ 2 STAINLESS STEEL	☐ 3 FIBERGLASS	☐ 4 STEEL CLAD W/FIBERGLASS REINFORCED PLASTIC
	☐ 5 CONCRETE	☐ 6 POLYVINYL CHLORIDE	☐ 7 ALUMINUM	☐ 8 100% METHANOL COMPATIBLE FRP
	☐ 9 BRONZE	☐ 10 GALVANIZED STEEL	☐ 95 UNKNOWN	☐ 99 OTHER
C. INTERIOR LINING	☐ 1 RUBBER LINED	☐ 2 ALKYD LINING	☐ 3 EPOXY LINING	☐ 4 PHENOLIC LINING
	☐ 5 GLASS LINING	☒ 6 UNLINED		☐ 95 UNKNOWN
	☐ IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL?		☐ YES ☐ NO	☐ 99 OTHER
D. CORROSION PROTECTION	☐ 1 POLYETHLENE WRAP	☐ 2 TAR OR ASPHALT	☐ 3 VINYL WRAP	☐ 4 FIBERGLASS REINFORCED PLASTIC
	☐ 5 CATHODIC PROTECTION	☐ 91 NONE	☒ 95 UNKNOWN	☐ 99 OTHER

IV. PIPING INFORMATION CIRCLE A IF ABOVE GROUND, U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE	A U 1 SUCTION	A U 2 PRESSURE	A (U) 3 GRAVITY	A U 91 NONE	A U 95 UNKNOWN A U 99 OTHER
B. CONSTRUCTION	A (U) 1 SINGLE WALLED	A U 2 DOUBLE WALLED	A U 3 LINED TRENCH	A U 91 NONE	A U 95 UNKNOWN A U 99 OTHER
C. MATERIAL	A (U) 1 STEEL/IRON	A U 2 STAINLESS STEEL	A U 3 POLYVINYL CHLORIDE (PVC)	A U 4 FIBERGLASS PIPE	A U 91 NONE
	A U 5 ALUMINUM	A U 6 CONCRETE	A U 7 STEEL CLAD W/FRP	A U 8 100% METHANOL COMPATIBLE FRP	
	A U 9 GALVANIZED STEEL	A U 95 UNKNOWN	A U 99 OTHER		

V. LEAK DETECTION SYSTEM CIRCLE P FOR PRIMARY, OR S FOR SECONDARY, A PRIMARY LEAK DETECTION SYSTEM MUST BE CIRCLED.

P S 1 VISUAL CHECK (P) S 2 INVENTORY RECONCILIATION P S 3 VADOSE WELLS P S 4 ELECTRONIC MONITOR P S 5 GROUND WATER MONITORING WELLS
P S 6 PRECISION TESTING P S 7 PRESSURE TESTING P (S) 91 NONE P S 95 UNKNOWN P S 99 OTHER

VI. INFORMATION ON TANK PERMANENTLY CLOSED IN PLACE

1. ESTIMATED DATE LAST USED (MO/YR)	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING IN	3. WAS TANK FILLED WITH INERT MATERIAL?
July 1986	0 GALLONS	☐ YES ☒ NO

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT.

APPLICANT'S NAME (PRINTED & SIGNATURE)	DATE
ROBERT SWIGART Robert Swigart	20 NOV 89

LOCAL AGENCY USE ONLY

COUNTY #	JURISDICTION #	AGENCY #	FILE #	TANK ID #
19	000	001	005385	

CURRENT LOCAL AGENCY FACILITY ID #	APPROVED BY NAME	PHONE # WITH AREA CODE
00000003098 1		

PERMIT NUMBER	PERMIT APPROVAL DATE	PERMIT EXPIRATION DATE

CHECK #	PERMIT AMOUNT	SURCHARGE AMT.	FEE CODE	RECEIPT #	BY:

LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS
Waste Management Division

FORM 'B':
TANK

UNDERGROUND STORAGE TANK PROGRAM
TANK INFORMATION

INSTRUCTIONS FOR COMPLETING THIS FORM

GENERAL INSTRUCTIONS:

1. One FORM "B" shall be completed for each tank for all **NEW PERMITS, PERMIT CHANGES, TANK CLOSURES, TANK REMOVALS,** and/or any other **TANK INFORMATION CHANGE.**
2. This form should be completed by either the **PERMIT APPLICANT**
3. Please type or print clearly all requested information.
4. Use a hard point writing instrument, you are making 3 copies.

TOP OF FORM: "MARK ONLY ONE ITEM"

1. Mark an (X) in the box next to the item that best describes the reason the form is being completed.
2. Indicate the Facility/Site name where the tank is installed.
3. Is this tank a farm tank? Check 'YES' or 'NO'. A farm tank is a tank located on an agricultural farm which stores motor vehicle fuel used to propel farm vehicles.

I. TANK DESCRIPTION — COMPLETE ALL ITEMS - IF UNKNOWN - SO SPECIFY

A. Indicate owners tank ID # - If there is a tank number that is used by the owner to identify the tank.(ex. AB70789)
B. Indicate the name of the company that manufactured the tank. (ex. ACME TANK MFG.)
C. Indicate the year tank was installed. (ex. 1987)
D. Indicate the tank capacity in gallons. (ex. 25,000 or 10,000, etc.)

II TANK CONTENTS

A. 1. If MOTOR VEHICLE FUEL, check box 1 and complete items B & C.
   2. If not MOTOR VEHICLE FUEL, check the appropriate box in section A and complete items B & D.
B. Check the appropriate box.
C. Check the type of MOTOR VEHICLE FUEL. (if box 1 is checked in A)
D. Print the chemical name of the hazardous substance stored in the tank and the C.A.S. #. (Chemical Abstract Service number), if box 1 is NOT checked in A.

III. TANK CONSTRUCTION — MARK ONE ITEM ONLY IN BOX A, B, C & D

1. Check only one item in TYPE OF SYSTEM, TANK MATERIAL, INTERIOR LINING and CORROSION PROTECTION.
2. If OTHER, print in the space provided.

IV. PIPING INFORMATION

1. Circle **A** if above ground, or **U** if underground; circle both if applicable.
2. If UNKNOWN, circle or if OTHER, print in space provided.

V. LEAK DETECTION SYSTEM

1. Circle **P** for PRIMARY, or **S** for SECONDARY. A primary and/or secondary leak detection system **MUST** be circled.
2. If UNKNOWN, specify or if OTHER, print in space provided.
3. If there is no SECONDARY LEAK DETECTION SYSTEM, circle NONE.

VI. INFORMATION ON TANK PERMANENTLY CLOSED IN PLACE

1. ESTIMATED DATE LAST USED - MONTH/YEAR (January, 1988 or 01/88).
2. ESTIMATED QUANTITY of SUBSTANCE remaining in tank. (in Gallons)
3. WAS TANK FILLED WITH INERT MATERIAL? Check 'YES' or 'NO'.

Applicant must sign and date form as indicated.

IT IS THE RESPONSIBLITY OF THE LOCAL AGENCY THAT INSPECTS THE FACILITY/SITE TO VERIFY THE ACCURACY OF THE INFORMATION. THE LOCAL AGENCY IS RESPONSIBLE FOR THE COMPLETION OF THE "LOCAL AGENCY USE ONLY" INFORMATION BOX AND FOR FORWARDING ONE FORM "A" AND ASSOCIATED FORM "B"(s) TO THE FOLLOWING ADDRESS:

DEPARTMENT OF PUBLIC WORKS
WASTE MANAGEMENT DIVISION
P.O. BOX 1460
ALHAMBRA, CA 91802-1460

UPDATE FORM (UF)

FILE No.- 5385 HMUSP No.- 3293 AREA 22

REVIEW DATE: 9/9/92

REVIEWED BY: SSA

HMS INPUT BY: LC

DOCUMENT DATE (APP REC'D)	DOCUMENT/ APPLICATION LISTING USTs & UST DATA	COLUMN (1) USTs PERMITTED	COLUMN (2) UST ADDITIONS	COLUMN (3) USTs CLOSED	NET USTs (A)
5-5-86	3293	5			
7-29-87	3036B			4	
TOTALS				(A)=	1

>>>>>>>>>>> ACTIVE USTs DETERMINED FROM HMS (ACT TANK CT): (B) = 1

BH:UPDATE1

UST DATA/ADJUSTMENTS

UST NO.	UST SIZE	UST CONTENTS	UST CONSTRUCTION	KEY/ APP TYPE
001	6000	10% NAOH Solution	SW	Key
002				
003				
004				
005				
006				
007				
008				
009				
010				
011				
012				
013				
014				
015				
016				
017				
018				
019				
020				
021				
022				

COMMENTS:

E.P.A. #CAT080010655

APPLICATION FOR CLOSURE
HAZARDOUS MATERIALS UNDERGROUND STORAGE
COUNTY OF LOS ANGELES-DEPARTMENT OF PUBLIC WORKS
WASTE MANAGEMENT DIVISION
900 S. FREMONT AVENUE
ALHAMBRA, CALIFORNIA 91803-1331

Permit 41613 B
File 5385 R/C 22
Fee $ 215
Check [X] Cash [ ]

OWNER: Name AIR PRODUCTS MANUFACTURING CORP. Phone (310) 518-0430
Mailing Address 23320 S. ALAMEDA ST. City CARSON State CA Zip 90810

FACILITY:
Occupant Name AIR PRODUCTS MANUFACTURING CORP. Phone (310) 518-0430
Site Address 23320 S. ALAMEDA ST. City CARSON Zip 90810
Mailing Address 23320 S. ALAMEDA ST. City CARSON State CA Zip 90810
Contact Person CHARLES ROLPH Title MANAGER

CONTRACTOR [✓], complete below: OWNER/OPERATOR AS CONTRACTOR [ ]
Name MOINE BROS. Phone (310) 830-1570
State License No. 343468 Class C21; C61-D40

CLOSURE REQUESTED:
[✓] PERMANENT, TANK REMOVAL (See Conditions A and C Attached)
How many underground tanks will remain after this closure? 0
[ ] PERMANENT, CLOSURE IN PLACE (See Conditions A and D Attached)
[ ] TEMPORARY (See Conditions A and B Attached)

TANK DESCRIPTION: PLOT PLAN ATTACHED [ ] EXISTING HMUSP NO. _____

Tank No.	Tank Mat'l	Age	Capacity	Materials Stored (Past/Present)
1	STEEL	UNKNOWN	6,000	CAUSTIC WATER

COMPLETE THE FOLLOWING:

	YES	NO
Has an unauthorized release ever occurred at this site?	[ ]	[✓]
Have structural repairs ever been made to these tanks?	[ ]	[✓]
Will new underground tanks be installed after closure?	[ ]	[✓]
Will any wells, including monitoring wells, be abandoned?	[ ]	[✓]

NOTICE: CONTAMINATED TANKS AND RESIDUES THAT MAY BE LEFT IN TANKS TO BE CLOSE MAY BE A HAZARDOUS WASTE WHICH MUST BE TRANSPORTED AND DISPOSED OF PURSUANT TO CHAPTER 6.5, CALIFORNIA HEALTH & SAFETY CODE. FAILURE TO COMPLY MAY BE PROSECUTED AS A FELONY VIOLATION.

By signature below the applicant certifies that all statements and disclosures above are true and correct and that they have read and agree to abide by this permit and all conditions and limitations attached.

Applicant's Signature [signature] Date 10-8-92
(Print Name) CHARLES MOINE Phone (310) 830-1570
Owner [ ] Operator [ ] Contractor [✓]

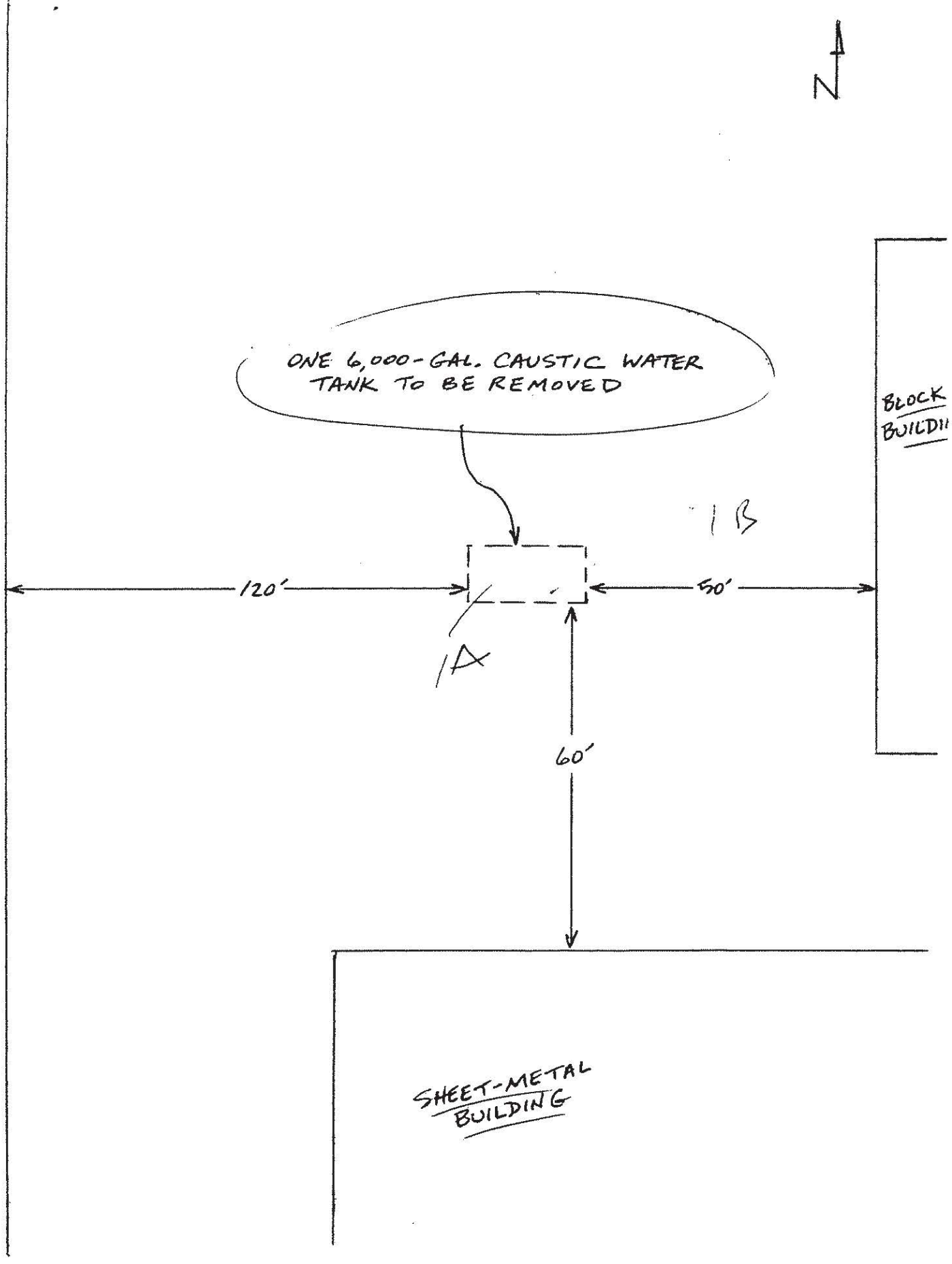
TO BE COMPLETED BY THE DEPARTMENT OF PUBLIC WORKS

PURSUANT TO SECTION 11.80.070B, LOS ANGELES COUNTY CODE, PERMISSION IS HEREBY GRANTED TO PROCEED WITH THE CLOSURE DESCRIBED ABOVE SUBJECT TO THE ATTACHED CONDITIONS AND LIMITATIONS [X]. THIS PERMIT EXPIRES 180 DAYS FROM THE DATE BELOW.

T.A. TIDEMANSON
Director of Public Works

By [signature] Date 10-19-92

AIR PRODUCTS
23320 S. ALAMEDA ST., CARSON 90745



CLOSURE PERMIT SUPPLEMENT
HAZARDOUS MATERIALS UNDERGROUND STORAGE
LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
WASTE MANAGEMENT DIVISION
900 S. FREMONT AVENUE
ALHAMBRA, CA 91803

Closure Permit No.: 41613B
File No. I- 5385-22

PART 1 OF 2

To satisfy the permanent closure requirements for underground storage tanks previously storing hazardous materials, site integrity must be demonstrated by the analysis of soil samples and, if applicable, groundwater samples as outlined below. These requirements are in addition to the conditions listed on the Application for Closure or contained in an approved Closure Plan.

1. Samples shall be obtained at the sampling points (SP) indicated on the attached plot plan.

2. For each SP, samples shall be obtained at the following depths:

SP	Depth(s)	Compounds	Analysis Method
1A, 1B	2-4FT BELOW	TPH, BTXE	418.1, 8020
	TANK INVERT	PH, Na	Appropriate EPA Meth
20FT INTERVAL ALONG PRODUCT PIPING	"	"	418.1, 8020

dn4/FPERMIT Rev. 3/90

Cont'd on Page 2

3. All soil samples obtained shall be discrete, undisturbed and unexposed prior to analysis. The method used to obtain the samples and the date of sampling shall be included in the final report.

4. If groundwater is encountered during sampling, a groundwater monitoring well shall be established at the most downgradient sampling point. The well shall be developed by removing a minimum of four well volumes and a groundwater sample shall be obtained and analyzed.

5. The analytical results for all soil samples shall be expressed milligrams per kilogram (mg/kg), or micrograms per kilogram (ug/kg) as appropriate. Practical quantitation limits of 5-10 ug/kg (ppb) for volatile organics and 1 mg/kg (ppm) for the petroleum hydrocarbons must be achieved by the laboratory. Analytical results for groundwater samples shall be expressed in ug/l (ppb) and practical quantitation limits of .5-5 ug/l (ppb) for volatile organics, and 1 mg/l (ppm) for petroleum hydrocarbons must be achieved by the laboratory.

6. Analytical results shall be reported on laboratory letterhead and shall include the following information: a) The date the analysis was conducted; b) The method of extraction (if applicable); c) Detection limits for each analytical procedure and determiantion; d) The method of analysis; e) Signature of chemist certifying results.

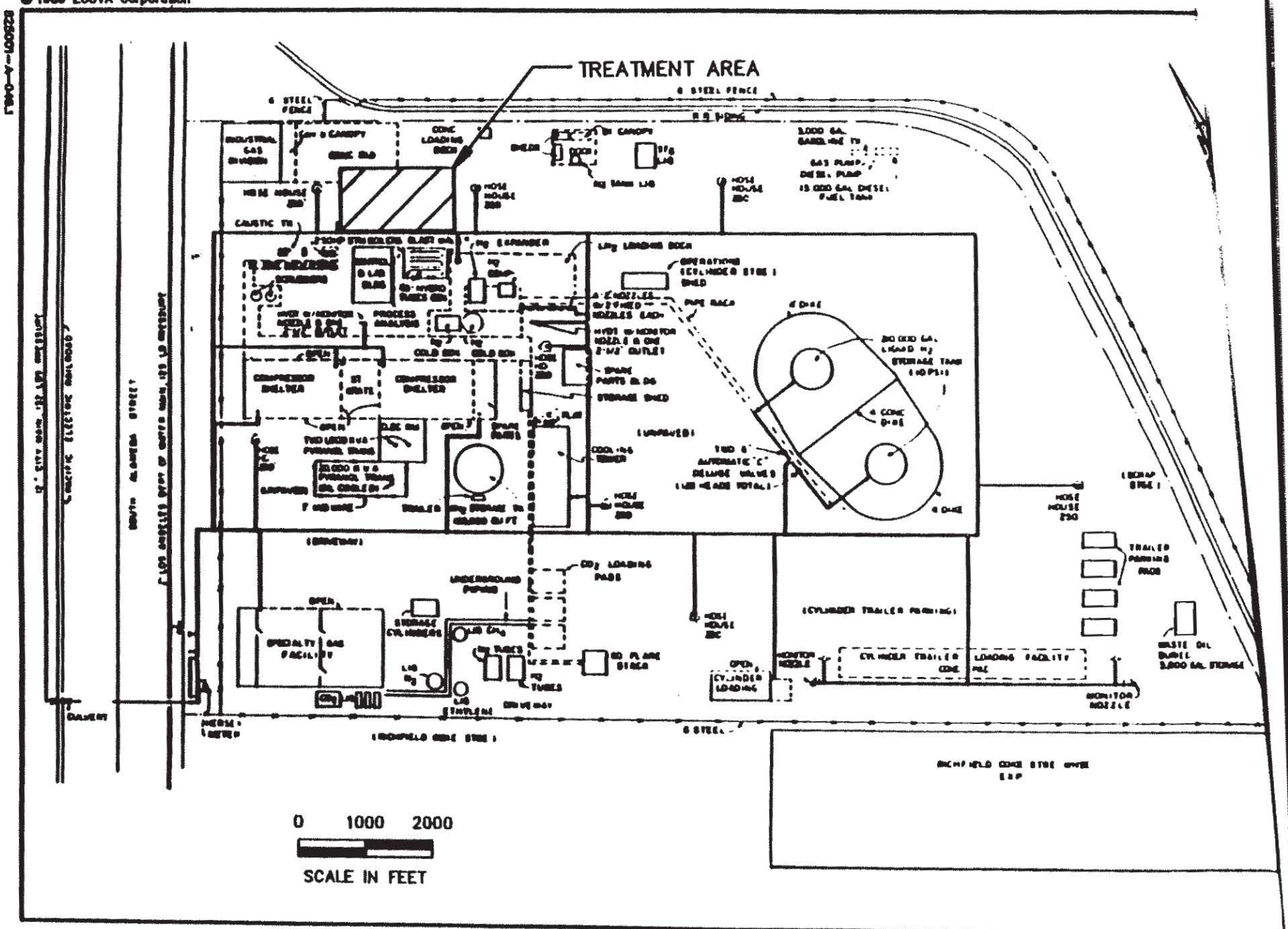
7. All soil/groundwater samples obtained shall be handled and transported to laboratory in strict accordance with applicable EPA regulations utilizing chain-of-custody procedures. Chain-of-custody documentation shall be included in the final report.

8. If the soil/groundwater analysis indicates undefined contamination at the facility, additional sampling shall be required to define the vertical and lateral extent present.

9. A final report that contains all of the above required information shall be submitted to the office above within one (1) month from the sampling date or 180 days from the date of this permit, whichever is earlier.

4907 ;

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CLOSURE -- UNDERGROUND STORAGE TANKS

CONDITIONS A -- GENERAL

1. Closures shall be carried out such that all applicable regulations from the following agencies are complied with: Los Angeles County, Department of County Engineer - Facilities; Los Angeles County Fire Department, Fire Prevention Division or the appropriate City Fire Department; South Coast Air Quality Management District; and Los Angeles County Department of Health Services.

2. The County Engineer and Fire Departments shall be notified in advance of any closure in accordance with the following:

   a. Removal of tank shall require a three (3) business day advance notification.

   b. Permanent closure of a tank in place or a temporary closure shall require a 30 day written notification.

3. Consult current fee schedule for costs.

4. All abandoned wells shall be destroyed in such a way that they will not produce water or act as a channel for interchange of water, when such interchange may result in deterioration of the quality of water in any or all water bearing formations penetrated, or present a hazard to the safety and well-being of people and animals.

5. A well destruction permit issued by the Los Angeles Department of Health Services shall be required for all wells requiring a permit for their initial construction.

6. Well destruction shall be accomplished according to methods described in the latest "Water Well Standards: State of California" by the Department of Water Resources, contained in Bulletin 74-81, December 1981, or any other methods that will provide equivalent or better protection.

7. Plans for the decontamination of a facility shall be submitted to the County Engineer for approval no later than 30 days before the commencement of such operations. Other agencies having jurisdiction shall also be notified. These agencies include the California Regional Water Quality Board, the Los Angeles County Department of Health Services, and the South Coast Air Quality Management District.

8. Decontamination shall require the following, as a minimum:

   a. Cleaning operation shall be done under the supervision of persons who understand the hazardous potential of the original liquid stored and its components.

   b. The personnel shall be sufficiently skilled to safely carry out such operation.

   c. Contaminated materials removed from such facility shall be disposed of at legal point of discharge.

   d. The operation shall be carried out in a manner that will not endanger the health of the public and the environment.

CONDITIONS B -- TEMPORARY

1. All temporary closures shall be carried out as indicated in Los Angeles County Fire Department, Fire Prevention Division, Supplement #A -- Inspection Guide #6, "Abandonment or Removal of Underground Tanks," Part A and any other applicable Parts.

2. A temporary closure shall not exceed 90 days.

CONDITIONS C -- PERMANENT TANK(S) REMOVAL

1. All tank removals shall be carried out as indicated in Los Angeles County Fire Department, Fire Prevention Division, Supplement #A -- Inspection Guide #6, Part D and any other applicable Parts.

2. Owners/operators shall notify the Building Department having jurisdiction at the place of removal if a grading permit is necessary.

3. Removed tanks shall not be transported away from the site until an inspection to establish site integrity is carried by the County Engineer.

4. If an appointment has been arranged with a County Engineer Inspector to inspect the removal of a tank, the inspector will only wait at the site a reasonable amount of time (approximately one hour) after arriving for the removal to commence. Another closure fee may be charged if the inspector has to return to the site.

5. After inspection, tanks shall be transported to a legal disposal point.

6. If the tank has stored materials other than motor fuel, fuel oil or waste oil, site integrity shall be demonstrated using the soil sampling and analysis procedures described in CONDITIONS D below.

7. The site shall be backfilled and recompacted to a relative compaction of 90%.

CONDITIONS D -- PERMANENT

1. All permanent closures of tanks in place shall comply with Los Angeles County Fire Department, Fire Prevention Division, Supplement #A -- Inspection Guide #6, Parts B or C, and any other applicable Parts.

2. Owners/operators shall demonstrate part site integrity as follows:

   a. Test borings shall be slant drilled to intercept a point beneath the center of the tank, if possible. If slant drilling is not feasible, the test borings may be drilled vertically and the reason stated in the report in 2.h. below.

   b. For single tanks, a minimum of two test borings will be required, each located on opposite sides of the tank along the major axis of the tank.

   c. For multiple tanks, as a minimum, borings shall be placed at 20 foot intervals around the tank cluster. The actual number and location of borings shall be evaluated on a case-by-case basis. Tanks seperated by 20 feet or more shall be considered single tanks for the purposes of test location and placement.

   d. Soil samples shall be taken at depths of 5, 10, 20, 30 and 40 feet below grade level.

   e. A Shelby Tube or a Modified California Sampler shall be utilized for taking all soil samples.

   f. Soil samples shall be capped immediately with teflon or aluminum.

   g. Soil samples shall not be extruded in the field but are to be immediately placed in a refrigerated ice chest and transported to a state certified laboratory for analysis, using suitable methods.

   h. A report containing the results of the above analysis shall be submitted to the County Engineer.

3. If the soil analysis in 2. above indicates the presence of contaminants, the County Engineer shall require a site investigation as described in Chapter V of the County's "Underground Storage of Hazardous Materials -- Guidelines."

4. A report shall be submitted to the County Engineer containing the results of the site investigation.

NOTICE TO CLOSURE PERMIT APPLICANTS

The South Coast Air Quality Management District (SCAQMD) has adopted Rule 1166 regulating emissions of Volatile Organic Compounds (VOC) from decontamination of soil effective August 6, 1988.

In addition to the requirements of your Closure Permit, persons excavating any underground storage tank that previously contained VOC's must:

- Notify the SCAQMD Executive Officer by telephone at (714) 396-2000 24 hours prior to tank excavation. 1166(c)(1)(A)
- Monitor the excavated material during the excavation for VOC contamination. 1166(c)(1)(B)
- When VOC contamination is detected:
  * Cease excavation
  * Cover the contaminated soil until implementation of approved mitigation measures. 1166(c)(1)(C)
  * Notify the SCAQMD Executive Officer at (714) 396-2000 within 24 hours of detection of VOC contaminated soil. 1166(c)(2)(A)
- A person shall not engage in or allow any on-site or off-site spreading of VOC contaminated soil which results in uncontrolled evaporation of VOC to the atmosphere. 1166(c)(3)

Exemptions

- Treatment of less than one (1) cubic yard of contaminated soil. 1166(d)(1)(A)
- Decontamination of soil containing organic compounds that have initial boiling point of 302°F or greater, Reid Vapor Pressure less than 80mm Hg or Absolute Vapor Pressure less than 36mm Hg at 20°C. 1166(d)(1)(B),(F)
- Removal of soil for sampling purposes pursuant to EPA methods. 1166(d)(1)(C)
- Accidental spillage of five (5) gallons or less of VOC. 1166(d)(1)(D)
- Documentation of soil which is contaminated through natural seepage of VOC from oil and gas wells or other natural sources. 1166(d)(1)(E)

SPECIFIC QUESTIONS ON RULE 1166 SHOULD BE REFERRED TO THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (714) 396-2000

UST1/NOTCLOSE

LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
CLOSURE REPORT REQUIREMENTS

A closure report shall be submitted to the Los Angeles County Department of Public Works, Waste Management Division, P.O. Box 1460, Alhambra, CA 91802-1460, containing:

1. File number of facility and closure permit number.

2 Plot plan to scale showing locations of tanks, sampling points, buildings, adjacent streets and north arrow.

3. Description of methods for obtaining, handling, and transporting samples.

4. Time and date samples were obtained.

5. If borings were established, boring logs certified by a CA Registered Geologist, CA Certified Engineering Geologist, or CA Registered Civil Engineer with sufficient experience in soils.

6. Chain-of-custody documentation initiated by person obtaining sample through person at State Department of Health Services certified laboratory.

7. Disposal destination of tanks and evidence of legal disposal.

8. Analysis results by a State certified laboratory submitted on laboratory letterhead showing analysis date, methods of extraction and methods of analysis.

9. Documentation as to depth of groundwater at facility.

10. Manifests to document hazardous waste disposal of any removed soil and tank rinsate.

11. Any observations of site contamination.

12. Remedial action plan to mitigate contamination.

13. Report to be signed by CA Registered Geologist, CA Certified Engineering Geologist, or CA Registered Civil Engineer with sufficient experience in soils.

Signature T. Monie Date 10/19/92

ld4/CRR

ATTENTION CONTRACTOR

NOTIFICATION REQUIREMENTS

Pursuant to Los Angeles County Code, Section 11.78.045, and the Conditions and Limitations of the attached Hazardous Materials Underground Storage Closure Permit, you are required to complete ALL of the agency notifications indicated below within the time period specified prior to commencement of work on this closure.

[X] 72 HOURS - DEPARTMENT OF PUBLIC WORKS INDUSTRIAL WASTE ENGINEERING INSPECTOR:

>>Unless otherwise noted DPW inspectors are available at the following offices between 8:00 a.m. and 9:30 a.m. ONLY.<<

[ ] BELLFLOWER DISTRICT - (310) 804-2584
16600 Civic Center Dr., Suite 200, Bellflower, CA 90607

[X] CENTINELA VALLEY REGION - (310) 534-4862
24320 S. Narbonne Ave., Lomita, CA 90717

[ ] LENNOX DISTRICT - (310) 419-5650
4353 Lennox Blvd., Lennox, CA 90304

[ ] SAN GABRIEL VALLEY DISTRICT - (818) 574-0962
125 S. Baldwin Ave., Arcadia, CA 91007

[ ] SAN DIMAS REGION - M, W, & Fri. - (818) 574-0961
125 S. Baldwin Ave., Arcadia, CA 91007

[ ] EAST LOS ANGELES DISTRICT - (213) 260-3466
5119 E. Beverly Blvd., Los Angeles, CA 90022

[ ] NEWHALL REGION - (805) 253-7207
23757 W. Valencia Blvd., Santa Clarita, CA 91355

[X] 48 HOURS (OR AS REQUIRED) - LOCAL FIRE DEPARTMENT FIRE PREVENTION INSPECTOR:

[ ] City of _____

[X] Los Angeles County Fire Department 310 830 9596

[X] 24 HOURS - SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

(714) 396-2000

FAILURE TO PROVIDE NOTICE AS REQUIRED ABOVE MAY RESULT IN PERMIT REVOCATION, ADDITIONAL SITE ASSESSMENT REQUIREMENTS, AND/OR ADMINISTRATIVE PENALTIES AS PROVIDED BY LAW.

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM A

COMPLETE THIS FORM FOR EACH FACILITY/SITE

MARK ONLY ONE ITEM: ☐ 1 NEW PERMIT ☐ 2 INTERIM PERMIT ☐ 3 RENEWAL PERMIT ☐ 4 AMENDED PERMIT ☐ 5 CHANGE OF INFORMATION ☐ 6 TEMPORARY SITE CLOSURE ☑ 7 PERMANENTLY CLOSED SITE

I. FACILITY/SITE INFORMATION & ADDRESS - (MUST BE COMPLETED)

DBA OR FACILITY NAME	NAME OF OPERATOR	
AIR PRODUCTS MANUFACTURING CORP.		
ADDRESS	NEAREST CROSS STREET	PARCEL # (OPTIONAL)
23320 S. ALAMEDA ST.		
CITY NAME	STATE / ZIP CODE	SITE PHONE # WITH AREA CODE
CARSON	CA 90810	(310) 518-0430

✓ BOX TO INDICATE: ☑ CORPORATION ☐ INDIVIDUAL ☐ PARTNERSHIP ☐ LOCAL-AGENCY DISTRICTS ☐ COUNTY-AGENCY ☐ STATE-AGENCY ☐ FEDERAL-AGENCY

TYPE OF BUSINESS	✓ IF INDIAN RESERVATION OR TRUST LANDS	# OF TANKS AT SITE	E. P. A. I. D. # (optional)
☐ 1 GAS STATION ☐ 2 DISTRIBUTOR ☐ 3 FARM ☐ 4 PROCESSOR ☑ 5 OTHER	☐	1	CAT080010655

EMERGENCY CONTACT PERSON (PRIMARY)		EMERGENCY CONTACT PERSON (SECONDARY) - optional	
DAYS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE	DAYS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE
ROLPH, CHARLES	(310) 518-0430		
NIGHTS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE	NIGHTS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE
ROLPH, CHARLES	(310) 518-0430		

II. PROPERTY OWNER INFORMATION - (MUST BE COMPLETED)

NAME	CARE OF ADDRESS INFORMATION		
AIR PRODUCTS MANUFACTURING CORP.			
MAILING OR STREET ADDRESS	✓ box to indicate: ☐ INDIVIDUAL ☐ LOCAL-AGENCY ☐ STATE-AGENCY		
23320 S. ALAMEDA ST.	☑ CORPORATION ☐ PARTNERSHIP ☐ COUNTY-AGENCY ☐ FEDERAL-AGENCY		
CITY NAME	STATE	ZIP CODE	PHONE # WITH AREA CODE
CARSON	CA	90810	(310) 518-0430

III. TANK OWNER INFORMATION - (MUST BE COMPLETED)

NAME OF OWNER	CARE OF ADDRESS INFORMATION		
AIR PRODUCTS MANUFACTURING CORP.			
MAILING OR STREET ADDRESS	✓ box to indicate: ☐ INDIVIDUAL ☐ LOCAL-AGENCY ☐ STATE-AGENCY		
23320 S. ALAMEDA ST.	☑ CORPORATION ☐ PARTNERSHIP ☐ COUNTY-AGENCY ☐ FEDERAL-AGENCY		
CITY NAME	STATE	ZIP CODE	PHONE # WITH AREA CODE
CARSON	CA	90810	(310) 518-0430

IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER - Call (916) 323-9555 if questions arise.

TY (TK) HQ 44-007922

V. PETROLEUM UST FINANCIAL RESPONSIBILITY - (MUST BE COMPLETED) – IDENTIFY THE METHOD(S) USED

✓ box to indicate: ☑ 1 SELF-INSURED ☐ 2 GUARANTEE ☐ 3 INSURANCE ☐ 4 SURETY BOND ☐ 5 LETTER OF CREDIT ☐ 6 EXEMPTION ☐ 99 OTHER

VI. LEGAL NOTIFICATION AND BILLING ADDRESS

Legal notification and billing will be sent to the tank owner unless box I or II is checked.

CHECK ONE BOX INDICATING WHICH ABOVE ADDRESS SHOULD BE USED FOR LEGAL NOTIFICATIONS AND BILLING: I. ☐ II. ☐ III. ☑

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE)	APPLICANT'S TITLE	DATE MONTH/DAY/YEAR
CHARLES MOYNE	CONTRACTOR	10-8-92

LOCAL AGENCY USE ONLY

COUNTY #	JURISDICTION #	FACILITY #
		01

LOCATION CODE - *OPTIONAL*	CENSUS TRACT # - *OPTIONAL*	SUPVISOR - DISTRICT CODE - *OPTIONAL*

THIS FORM MUST BE ACCOMPANIED BY AT LEAST (1) OR MORE PERMIT APPLICATION - FORM B, UNLESS THIS IS A CHANGE OF SITE INFORMATION ONLY.

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B

COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY ONE ITEM: ☐ 1 NEW PERMIT ☐ 2 INTERIM PERMIT ☐ 3 RENEWAL PERMIT ☐ 4 AMENDED PERMIT ☐ 5 CHANGE OF INFORMATION ☐ 6 TEMPORARY TANK CLOSURE ☐ 7 PERMANENTLY CLOSED ON SITE ☑ 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: AIR PRODUCTS MANUFACTURING CORP.

I. TANK DESCRIPTION

COMPLETE ALL ITEMS -- SPECIFY IF UNKNOWN

A. OWNER'S TANK I. D. #	B. MANUFACTURED BY: UNKNOWN
C. DATE INSTALLED (MO/DAY/YEAR)	D. TANK CAPACITY IN GALLONS:

II. TANK CONTENTS

IF A-1 IS MARKED, COMPLETE ITEM C.

A. ☐ 1 MOTOR VEHICLE FUEL ☐ 2 PETROLEUM ☐ 3 CHEMICAL PRODUCT ☐ 4 OIL ☐ 80 EMPTY ☐ 95 UNKNOWN

B. ☐ 1 PRODUCT ☑ 2 WASTE

C. ☐ 1a REGULAR UNLEADED ☐ 1b PREMIUM UNLEADED ☐ 2 LEADED ☐ 3 DIESEL ☐ 4 GASAHOL ☐ 5 JET FUEL ☐ 6 AVIATION GAS ☐ 7 METHANOL ☐ 99 OTHER (DESCRIBE IN ITEM D. BELOW)

D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED: CAUSTIC WATER C. A. S. # :

III. TANK CONSTRUCTION

MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM: ☐ 1 DOUBLE WALL ☑ 2 SINGLE WALL ☐ 3 SINGLE WALL WITH EXTERIOR LINER ☐ 4 SECONDARY CONTAINMENT (VAULTED TANK) ☐ 95 UNKNOWN ☐ 99 OTHER

B. TANK MATERIAL (Primary Tank): ☑ 1 BARE STEEL ☐ 2 STAINLESS STEEL ☐ 3 FIBERGLASS ☐ 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC ☐ 5 CONCRETE ☐ 6 POLYVINYL CHLORIDE ☐ 7 ALUMINUM ☐ 8 100% METHANOL COMPATIBLE W/FRP ☐ 9 BRONZE ☐ 10 GALVANIZED STEEL ☐ 95 UNKNOWN ☐ 99 OTHER

C. INTERIOR LINING: ☐ 1 RUBBER LINED ☐ 2 ALKYD LINING ☐ 3 EPOXY LINING ☐ 4 PHENOLIC LINING ☐ 5 GLASS LINING ☐ 6 UNLINED ☑ 95 UNKNOWN ☐ 99 OTHER
IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES ___ NO ___

D. CORROSION PROTECTION: ☐ 1 POLYETHYLENE WRAP ☐ 2 COATING ☐ 3 VINYL WRAP ☐ 4 FIBERGLASS REINFORCED PLASTIC ☐ 5 CATHODIC PROTECTION ☐ 91 NONE ☑ 95 UNKNOWN ☐ 99 OTHER

E. SPILL AND OVERFILL: SPILL CONTAINMENT INSTALLED (YEAR) UNKNOWN OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) UNKNOWN

IV. PIPING INFORMATION

CIRCLE **A** IF ABOVE GROUND OR **U** IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE	A U 1 SUCTION	A U 2 PRESSURE	A U 3 GRAVITY	A U 99 OTHER
B. CONSTRUCTION	A U 1 SINGLE WALL	A U 2 DOUBLE WALL	A U 3 LINED TRENCH	A U 95 UNKNOWN A U 99 OTHER
C. MATERIAL AND CORROSION PROTECTION	A U 1 BARE STEEL	A U 2 STAINLESS STEEL	A U 3 POLYVINYL CHLORIDE (PVC)	A U 4 FIBERGLASS PIPE
	A U 5 ALUMINUM	A U 6 CONCRETE	A U 7 STEEL W/ COATING	A U 8 100% METHANOL COMPATIBLE W/FRP
	A U 9 GALVANIZED STEEL	A U 10 CATHODIC PROTECTION	A U 95 UNKNOWN	A U 99 OTHER

D. LEAK DETECTION: ☐ 1 AUTOMATIC LINE LEAK DETECTOR ☐ 2 LINE TIGHTNESS TESTING ☐ 3 INTERSTITIAL MONITORING ☑ 99 OTHER UNKNOWN

V. TANK LEAK DETECTION

☐ 1 VISUAL CHECK ☐ 2 INVENTORY RECONCILIATION ☐ 3 VADOZE MONITORING ☐ 4 AUTOMATIC TANK GAUGING ☐ 5 GROUND WATER MONITORING ☐ 6 TANK TESTING ☐ 7 INTERSTITIAL MONITORING ☐ 91 NONE ☑ 95 UNKNOWN ☐ 99 OTHER

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR)	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING	3. WAS TANK FILLED WITH INERT MATERIAL?
UNKNOWN	0 GALLONS	YES ☐ NO ☑

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE)	DATE
CHARLES MOINE	10-8-92

LOCAL AGENCY USE ONLY

THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.#	COUNTY #	JURISDICTION #	FACILITY #	TANK #
				01

PERMIT NUMBER	PERMIT APPROVED BY/DATE	PERMIT EXPIRATION DATE

FORM B (7-91) THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.

FOR0034B-RS

FILE: 065182-005580 L.A. COUNTY DEPARTMENT OF PUBLIC WORKS RUN DATE: 10/06/92
REC: 00000-11613 FEE RECEIPT FOR RUN TIME: 12:02:54
CLOSURE BY REMOVAL RCPT: HHC225

RECEIVED FROM: AIR PRODUCTS MFG CORP
ADDRESS: 23320 S ALAMEDA ST
CARSON, CA 90810

AMOUNT PAID: $210.00 PAYMENT TYPE: OVER THE COUNTER CHECKS
DATE PAID: 10/05/92 DEPOSIT DATE: 10/08/92
REF #: 92100892 PAYOR/COMMENTS: 28763/MOORE BROTHERS BY TONY
RCPT #: 920000000142 AREA: CITY OF CARSON

THIS SERVES AS AN AUTHORIZATION TO CLOSE AND/OR REMOVE THE TANKS LISTED BELOW SUBJECT TO THE ATTACHED REQUIREMENTS.

TANK#	TANK CONTENTS	OWNER TANK #	TANK CAPACITY
001	10% CAUSTIC NaOH SOLUTION	20.70	6000 GAL

RECEIVED BY: MICHAEL ONAFRAY

FILE # 5385-22

LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS
COMPLAINT REPORT

REFERRED TO RANDY McDONALD

Caller BOB SWIGART Date 10/30/92

Company AIR PRODUCTS & CHEM Time 8:25 am

Telephone (215) 481 8867 (310) 830 8240 Assigned To _____

NATURE OF COMPLAINT

Spill ____ Tank Leak ____ Illegal Dumping X Sewer Stoppage ____

Other REMOVING TRUCK SCALE AND DURING EXCAVATION FOUND ILLEGAL DUMPING

Company AIR PRODUCTS MFG. CORP — CARSON AREA

Location/Address 23320 S. ALAMEDA, L.B.

Contact _____ Telephone _____

Chemical/Material OIL/DIESEL OR GASOLINE

Date of Occurrence 10/29 Action Taken CALLED CONTACT GAVE SWIGART RWQCB NUMBER TO CALL AND CO. HEALTH JUST IN CASE.

VALLEY REGION FIELD OFFICE - RANDY MC DONALD. CALLED J. LEWIS TO VERIFY WITH RWQCB THAT BOB SWIGART CALLED. (HE DID)

I 44222

38-0001 DPW 1/86

L.A. COUNTY DPW HAZARDOUS MATERIALS SYSTEM REPORT: HMR050.001

DATE COMPILED: 09/01/92 IW INSPECTION JOB ORDER INSP#: I000044222

RUN DATE: 11/02/92 16:23:09 SPECIAL INSPECTOR AUDIT OF PER ASSC#:
PAGE: 1

FILE #: 005186-I05385 NAME: AIR PRODUCTS MFG CORP
ADD: 23320 S ALAMEDA ST
CARSON, CA 90810 AREA: 22 SMD: 95
XSTREET: SEPULVEDA THOMAS GUIDE: 0000-00
CONTACT: DON REAMER TEL: 213 835 0106

PROC: SAMPLE REQUIRED? N SAMPLE #: _____

INSP INFO: DURING REMOVAL OF TRUCK SCALE CONTAMINATED SOIL DISCOVERED. VERIFY AND DETERMINE SOURCE OF CONTAMINATION - UST RELATED?

ASSGN TO: CENTINELA VALLEY FIELD OFFICE SECT: FIELD INSPECTION UNIT

==========

RESULTS: On inspection at the site I talked to Mr. C. Grigsby, Air Prod. and Mr. Wen Kuo Envir. Engr. They indacated that they were trying to determine source and extent.

REMARKS: Site to contact H.Q. to determine closure requirements.

INSPECTOR: Randy McDonald INSPECTION DATE: 11-3-92

DISP: comp 11/3/92 RB

C. G. Grigsby
Contract Superintendent

Representing:
Air Products and Chemicals, Inc.
7201 Hamilton Boulevard
Allentown, PA 18195-1501
Telephone (215) 481-7785
Fax (215) 481-2688

KUO ENVIRONMENTAL

WEN L. KUO, Ph.D.
ENVIRONMENTAL ENGINEERING

5455 GARDEN GROVE BLVD.
SUITE 300
WESTMINSTER, CA 92683

(714) 373-3016
FAX (714) 373-4670



Discolored

I 0000538274

COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS

Waste Management Division

INSPECTOR'S REPORT

TO: Joe Baiocco DATE: 11-23-92

FROM: Randy McDonald FILE: I- 5385-22

INDUSTRY: AIR Products Mfg. Corp.
23320 S. Alameda ST., Carson

REPORT: I received the enclosed letters regarding the recent discovery of soil contamination during demolishtion.

38-0002 DPW 10/86

Air Products and Chemicals, Inc.
7201 Hamilton Boulevard
Allentown, PA 18195-1501
Telephone (215) 481-4911
Telex: 84-7418

AIR PRODUCTS

4 November 1992

Los Angeles County Dept.
of Public Works
Waste Mgmt./Underground Tank Prgm.
P.O. Box 1460
Alhambra, CA 91802

Attn: Rob Kuhomoto

Re: Written Report Follow-up to 30 October 1992 Verbal Spill Notification
Air Products Manufacturing Corp., 23320 S. Alameda St, Long Beach, CA 90810

Dear Sir:

This letter serves to document the verbal spill notification made in regards to our above referenced facility. As you may recall, Air Products was conducting some demolition activities when we encountered some soil contaminated with fuel. We assumed the source was related to an underground diesel tank that we removed and remediated about four years ago. In addition to yourself, I notified the California Office of Emergency Services (Report # 30300) and the Regional Water Quality Control Board (RWQCB).

On 29 October 1992, at 1:00 P.M., during the demolition of a truck-weighing scale pit at our 23320 S. Alameda Street facility, some fuel contaminated soil was encountered. The following day I reported the contaminated soil. An analysis of the soil shows 3516 ppm gasoline and 779 ppm diesel. The quantity of the contamination is unknown. The source of the contamination may have been from the underground diesel tank that was removed adjacent to the scale or due to a possible past surface spill. We are currently making arrangements with an environmental contractor to investigate and remediate or remove and dispose the contaminated soil.

Investigation and remediation reports will be forwarded to you and to the RWQCB unless you would prefer otherwise. If you have any questions, please call me at (215) 481-8867.

Sincerely,

Air Products and Chemicals, Inc

Robert J. Swigart
Senior Environmental Coordinator

RJS/longspil

c: California Office of Emergency Services
2800 Meadowview Road
Sacramento, CA 95832

Los Angeles County Dept. of
Centinela Valley Region
24320 S. Narbonne Ave.
Lomita, CA 90717
Attn: Industrial Waste
Randall McDonald

California Regional Water Quality Control Board
Region 4 Los Angeles
101 Centre Plaza Drive
Monterey Park, CA 91754
Attn: John Lewis

Air Products and Chemicals, Inc.
7201 Hamilton Boulevard
Allentown, PA 18195-1501

Telephone (215) 481-4911
Telex: 847416

AIR PRODUCTS

12 November 1992

Los Angeles County Dept.of Public Works
Waste Mgmt./Underground Tank Prgm.
P.O. Box 1460
Alhambra, Ca 91802

Attn: Rob Kubomoto

Re: Gasoline/Diesel Contaminated Soil Update
Air Products Manufact. Corp., 23320 S. Alameda St, Long Beach, Ca 90810

Dear Sir:

As you may recall, Air Products was conducting some demolition activities when we encountered some soil contaminated with gasoline and diesel. We assumed the source was related to an underground diesel tank that we removed and remediated about four years ago. As we investigate, we are beginning to put some pieces of the puzzle together that lead us to believe the contamination may be located over a larger area than we suspected and from a different source.

The above referenced facility is an industrial gas manufacturing plant where Air Products received a pipeline gas, from the petroleum cracking operation at the ARCO refinery across the street, and manufactured pure hydrogen. We have leased this property from ARCO since building our plant in 1962. We decommissioned the plant in 1986 and are currently demolishing sections of the facility so that we may return the land to ARCO.

The truck weighing scale, where the contamination was discovered, is adjacent to a section of our plant that we refer to as the purification or pretreatment area. This is were our demolition activities are currently being directed. Within this area is an underground spent caustic solution tank that we are going to remove. In preparation for this tank removal, we broke through the concrete pad, that covers most of this area, and discovered some similar gasoline/diesel contaminated soil. This would indicate that the contamination covers a larger area than just around the truck scale.

Within our purification/pretreatment area there are two aboveground storage tanks that contained hydrocarbon liquids. One tank is a 6000 gallon diesel tank and the other is a 6000 gallon hydrocarbon condensate tank. This hydrocarbon condensate was very similar to gasoline and contained benzene, toluene, ethylbenzene, and xylene. Given the location of the contaminated soil in relation to these aboveground storage tanks, the similarity of the contamination to the substances stored in these tanks, and the fact that the contamination is located near the ground surface, we now believe that possible surface spills related to

11. 12. 92 03:33 PM *PSG MATL. S. MGMT. P02

these tanks may be the source of this soil contamination. We are now directing our attention to the area beneath these tanks.

We are currently using Cleveland Environmental Services, Inc. to conduct our investigation. We continue to demolish aboveground structures in this area as it will facilitate further investigation and remediation.

If you have any questions regarding our activities, please call me at (215) 481-8867.

Sincerely,

Air Products and Chemicals, Inc

Robert J. Swigart
Senior Environmental Coordinator

RJS/lbspllud

c: Los Angeles County Dept. of Public Works
Centinela Valley Region
24320 S. Narbonne Ave.
Lomita, CA 90717
Attn: Industrial Waste
Randall McDonald

California Regional Water Quality Control Board
Region 4, Los Angeles
Room 4027
107 South Broadwaybc:
Los Angeles, CA 90012
Attn: John Lewis

11. 12. 92 03:33 PM *PSG MATL. S. MGMT. P03

APPLICATION FOR CLOSURE
HAZARDOUS MATERIALS UNDERGROUND STORAGE
COUNTY OF LOS ANGELES-DEPARTMENT OF PUBLIC WORKS
WASTE MANAGEMENT DIVISION
900 S. FREMONT AVENUE
ALHAMBRA, CALIFORNIA 91803-1331

Renewal of Permit #41613

Permit 61306
File 5385 R/C 22
Fee $215.00
Check [✓] Cash [ ]

OWNER: Name Air Products manufacturing Corp Phone 310)518-0430
Mailing Address 23320 S. Alameda st. City Carson State CA Zip 90810

FACILITY:
Occupant Name Air Products Manufacturing Corp Phone 310)518-0430
Site Address 23320 S. Alameda City Carson Zip 90810
Mailing Address 23320 S. Alameda City Carson State Zip 90810
Contact Person Charles Rolph Title Manager

CONTRACTOR [✓], complete below: OWNER/OPERATOR AS CONTRACTOR [ ]
Name I.T. corp Phone
State License No. 137422 Class A\B\R\C57\ Haz\ A-

CLOSURE REQUESTED:
[✓] PERMANENT, TANK REMOVAL (See Conditions A and C Attached)
How many underground tanks will remain after this closure? 0
[ ] PERMANENT, CLOSURE IN PLACE (See Conditions A and D Attached)
[ ] TEMPORARY (See Conditions A and B Attached)

TANK DESCRIPTION: PLOT PLAN ATTACHED [✓] EXISTING HMUSP NO. _____

Tank No.	Tank Mat'l	Age	Capacity	Materials Stored (Past/Present)
1	Steel	Unknown	6000	Caustic water

COMPLETE THE FOLLOWING:

	YES	NO
Has an unauthorized release ever occurred at this site?	[ ]	[✓]
Have structural repairs ever been made to these tanks?	[ ]	[✓]
Will new underground tanks be installed after closure?	[ ]	[✓]
Will any wells, including monitoring wells, be abandoned?	[ ]	[✓]

NOTICE: CONTAMINATED TANKS AND RESIDUES THAT MAY BE LEFT IN TANKS TO BE CLOSED MAY BE A HAZARDOUS WASTE WHICH MUST BE TRANSPORTED AND DISPOSED OF PURSUANT TO CHAPTER 6.5, CALIFORNIA HEALTH & SAFETY CODE. FAILURE TO COMPLY MAY BE PROSECUTED AS A FELONY VIOLATION.

By signature below the applicant certifies that all statements and disclosures above are true and correct and that they have read and agree to abide by this permit and all conditions and limitations attached.

Applicant's Signature I.T. Corp By [signature] Date 5-6-93
(Print Name) Steven L. Monson Phone 310)830-7181
Owner [ ] Operator [ ] Contractor [X]

TO BE COMPLETED BY THE DEPARTMENT OF PUBLIC WORKS

PURSUANT TO SECTION 11.80.070B, LOS ANGELES COUNTY CODE, PERMISSION IS HEREBY GRANTED TO PROCEED WITH THE CLOSURE DESCRIBED ABOVE SUBJECT TO THE ATTACHED CONDITIONS AND LIMITATIONS [X]. THIS PERMIT EXPIRES 180 DAYS FROM THE DATE BELOW.

T.A. TIDEMANSON
Director of Public Works

By VB abna Date 5/6/93

CLOSURE -- UNDERGROUND STORAGE TANKS

CONDITIONS A -- GENERAL

1. Closures shall be carried out such that all applicable regulations from the following agencies are complied with: Los Angeles County, Department of County Engineer - Facilities; Los Angeles County Fire Department, Fire Prevention Division or the appropriate City Fire Department; South Coast Air Quality Management District; and Los Angeles County Department of Health Services.

2. The County Engineer and Fire Departments shall be notified in advance of any closure in accordance with the following:

   a. Removal of tank shall require a three (3) business day advance notification.

   b. Permanent closure of a tank in place or a temporary closure shall require a 30 day written notification.

3. Consult current fee schedule for costs.

4. All abandonad wells shall be destroyed in such a way that they will not produce water or act as a channel for interchange of water, when such interchange may result in deterioration of the quality of water in any or all water bearing formations penetrated, or present a hazard to the safety and well-being of people and animals.

5. A well destruction permit issued by the Los Angeles Department of Health Services shall be required for all wells requiring a permit for their initial construction.

6. Well destruction shall be accomplished according to methods described in the latest "Water Well Standards: State of California" by the Department of Water Resources, contained in Bulletin 74-81, December 1981, or any other methods that will provide equivalent or better protection.

7. Plans for the decontamination of a facility shall be submitted to the County Engineer for approval no later than 30 days before the commencement of such operations. Other agencies having jurisdiction shall also be notified. These agencies include the California Regional Water Quality Board, the Los Angeles County Department of Health Services, and the South Coast Air Quality Management District.

8. Decontamination shall require the following, as a minimum:

   a. Cleaning operation shall be done under the supervision of persons who understand the hazardous potential of the original liquid stored and its components.

   b. The personnal shall be sufficiently skilled to safely carry out such operation.

   c. Contaminated materials removed from such facility shall be disposed of at legal point of discharge.

   d. The operation shall be carried out in a manner that will not endanger the health of the public and the environment.

CONDITIONS B -- TEMPORARY

1. All temporary closures shall be carried out as indicated in Los Angeles County Fire Department, Fire Prevention Division, Supplement #A -- Inspection Guide #6, "Abandonment or Removal of Underground Tanks," Part A and any other applicable Parts.

2. A temporary closure shall not exceed 90 days.

CONDITIONS C -- PERMANENT TANK(S) REMOVAL

1. All tank removals shall be carried out as indicated in Los Angeles County Fire Department, Fire Prevention Division, Supplement #A -- Inspection Guide #6, Part D and any other applicable Parts.

2. Owners/operators shall notify the Building Department having jurisdiction at the place of removal if a grading permit is necessary.

3. Removad tanks shall not be transported away from the site until an inspection to establish site integrity is carried by the County Engineer.

4. If an appointment has been arranged with a County Engineer Inspector to inspect the removal of a tank, the inspector will only wait at the site a reasonable amount of time (approximately one hour) after arriving for the removal to commence. Another closure fee may be charged if the inspector has to return to the site.

5. After inspection, tanks shall be transported to a legal disposal point.

6. If the tank has stored materials other than motor fuel, fuel oil or waste oil, site integrity shall be demonstrated using the soil sampling and analysis procedures described in CONDITIONS D below.

7. The site shall be backfilled and recompacted to a relative compaction of 90%.

CONDITIONS D -- PERMANENT

1. All parmanent closures of tanks in place shall comply with Los Angeles County Fire Department, Fire Prevention Division, Supplement #A -- Inspection Guide #6, Parts B or C, and any other applicable Parts.

2. Owners/operators shall demonstrate part site integrity as follows:

   a. Test borings shall be slant drilled to intercept a point beneath the center of the tank, if possible. If slant drilling is not feasible, the test borings may be drilled vertically and the reason stated in the report in 2.h. below.

   b. For single tanks, a minimum of two test borings will be required, each located on opposite sides of the tank along the major axis of the tank.

   c. For multiple tanks, as a minimum, borings shall be placed at 20 foot intervals around the tank cluster. The actual number and location of borings shall be evaluated on a case-by-case basis. Tanks separated by 20 feet or more shall be considered single tanks for the purposes of test location and placement.

   d. Soil samples shall be taken at depths of 5, 10, 20, 30 and 40 feet below grade level.

   e. A Shelby Tube or a Modified California Sampler shall be utilized for taking all soil samples.

   f. Soil samples shall be capped immediately with teflon or aluminum.

   g. Soil samples shall not be extruded in the field but are to be immediately placed in a refrigerated ice chest and transported to a state certified laboratory for analysis, using suitable methods.

   h. A report containing the results of the above analysis shall be submittad to the County Engineer.

3. If the soil analysis in 2. above indicates the presence of contaminents, the County Engineer shall require a site investigation as described in Chapter V of the County's "Underground Storage of Hazardous Materials -- Guidelines."

4. A report shall be submitted to the County Engineer containing

NOTICE TO CLOSURE PERMIT APPLICANTS

The South Coast Air Quality Management District (SCAQMD) has adopted Rule 1166 regulating emissions of Volatile Organic Compounds (VOC) from decontamination of soil effective August 6, 1988.

In addition to the requirements of your Closure Permit, persons excavating any underground storage tank that previously contained VOC's must:

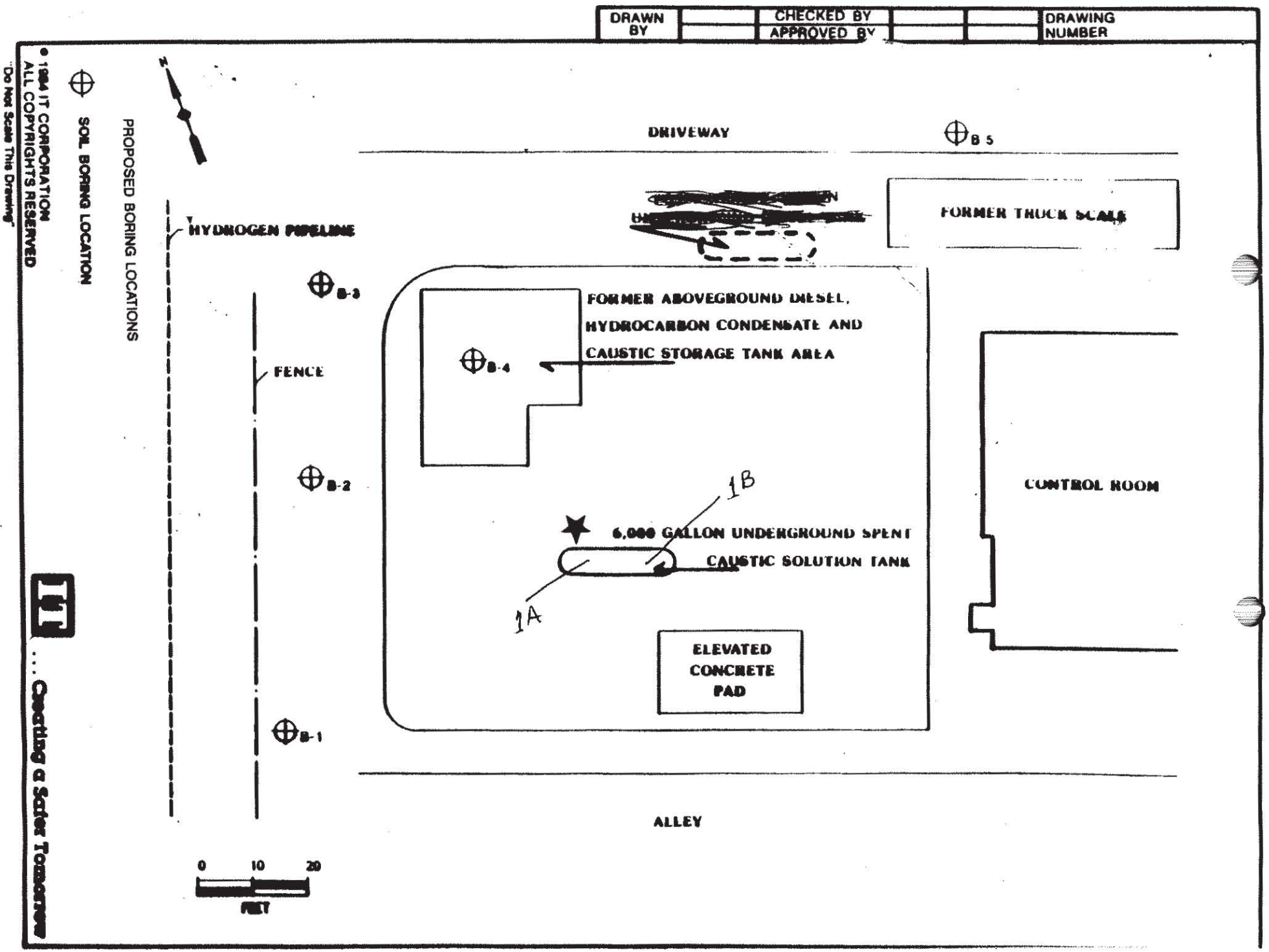
- Notify the SCAQMD Executive Officer by telephone at (714) 396-2000 24 hours prior to tank excavation. 1166(c)(1)(A)
- Monitor the excavated material during the excavation for VOC contamination. 1166(c)(1)(B)
- When VOC contamination is detected:
  * Cease excavation
  * Cover the contaminated soil until implementation of approved mitigation measures. 1166(c)(1)(C)
  * Notify the SCAQMD Executive Officer at (714) 396-2000 within 24 hours of detection of VOC contaminated soil. 1166(c)(2)(A)
- A person shall not engage in or allow any on-site or off-site spreading of VOC contaminated soil which results in uncontrolled evaporation of VOC to the atmosphere. 1166(c)(3)

Exemptions

- Treatment of less than one (1) cubic yard of contaminated soil. 1166(d)(1)(A)
- Decontamination of soil containing organic compounds that have initial boiling point of 302°F or greater, Reid Vapor Pressure less than 80mm Hg or Absolute Vapor Pressure less than 36mm Hg at 20°C. 1166(d)(1)(B),(F)
- Removal of soil for sampling purposes pursuant to EPA methods. 1166(d)(1)(C)
- Accidental spillage of five (5) gallons or less of VOC. 1166(d)(1)(D)
- Documentation of soil which is contaminated through natural seepage of VOC from oil and gas wells or other natural sources. 1166(d)(1)(E)

SPECIFIC QUESTIONS ON RULE 1166 SHOULD BE REFERRED TO THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (714) 396-2000

UST1/NOTCLOSE


DRAWN BY
CHECKED BY
APPROVED BY
DRAWING NUMBER
SOIL BORING LOCATION
PROPOSED BORING LOCATIONS
HYDROGEN PIPELINE
FENCE
B-3
B-2
B-1
B-4
B 5
DRIVEWAY
FORMER TRUCK SCALE
FORMER ABOVEGROUND DIESEL, HYDROCARBON CONDENSATE AND CAUSTIC STORAGE TANK AREA
1B
6,000 GALLON UNDERGROUND SPENT CAUSTIC SOLUTION TANK
1A
ELEVATED CONCRETE PAD
CONTROL ROOM
ALLEY
0
10
20
FEET
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"Do Not Scale This Drawing"
IT
... Creating a Safer Tomorrow

CLOSURE PERMIT SUPPLEMENT
HAZARDOUS MATERIALS UNDERGROUND STORAGE
LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
WASTE MANAGEMENT DIVISION
900 S. FREMONT AVENUE
ALHAMBRA, CA 91803

Closure Permit
No.: 61306
File No.
I- 5385

PART 1 OF 2

To satisfy the permanent closure requirements for underground storage tanks previously storing hazardous materials, site integrity must be demonstrated by the analysis of soil samples and, if applicable, groundwater samples as outlined below. These requirements are in addition to the conditions listed on the Application for Closure or contained in an approved Closure Plan.

1. Samples shall be obtained at the sampling points (SP) indicated on the attached plot plan.

2. For each SP, samples shall be obtained at the following depths:

SP	Depth(s)	Compounds	Analysis Method
1A, 1B	2-4 feet below tank invert	TPH, BTEX pH, Na	418.1, 8020 Appropriate EPA method
20 feet interval along product pipe	"	"	"

dn4/FPERMIT Rev. 3/90

Cont'd on Page 2

3. All soil samples obtained shall be discrete, undisturbed and unexposed prior to analysis. The method used to obtain the samples and the date of sampling shall be included in the final report.

4. If groundwater is encountered during sampling, a groundwater monitoring well shall be established at the most downgradient sampling point. The well shall be developed by removing a minimum of four well volumes and a groundwater sample shall be obtained and analyzed.

5. The analytical results for all soil samples shall be expressed milligrams per kilogram (mg/kg), or micrograms per kilogram (ug/kg) as appropriate. Practical quantitation limits of 5-10 ug/kg (ppb) for volatile organics and 1 mg/kg (ppm) for the petroleum hydrocarbons must be achieved by the laboratory. Analytical results for groundwater samples shall be expressed in ug/l (ppb) and practical quantitation limits of .5-5 ug/l (ppb) for volatile organics, and 1 mg/l (ppm) for petroleum hydrocarbons must be achieved by the laboratory.

6. Analytical results shall be reported on laboratory letterhead and shall include the following information: a) The date the analysis was conducted; b) The method of extraction (if applicable); c) Detection limits for each analytical procedure and determiantion; d) The method of analysis; e) Signature of chemist certifying results.

7. All soil/groundwater samples obtained shall be handled and transported to laboratory in strict accordance with applicable EPA regulations utilizing chain-of-custody procedures. Chain-of-custody documentation shall be included in the final report.

8. If the soil/groundwater analysis indicates undefined contamination at the facility, additional sampling shall be required to define the vertical and lateral extent present.

9. A final report that contains all of the above required information shall be submitted to the office above within one (1) month from the sampling date or 180 days from the date of this permit, whichever is earlier.

ATTENTION CONTRACTOR

NOTIFICATION REQUIREMENTS

Pursuant to Los Angeles County Code, Section 11.78.045, and the Conditions and Limitations of the attached Hazardous Materials Underground Storage Closure Permit, you are required to complete **ALL** of the agency notifications indicated below within the time period specified prior to commencement of work on this closure.

[X] 72 HOURS - DEPARTMENT OF PUBLIC WORKS INDUSTRIAL WASTE ENGINEERING INSPECTOR:

>>Unless otherwise noted DPW inspectors are available at the following offices between 8:00 a.m. and 9:30 a.m. **ONLY**.<<

[ ] BELLFLOWER DISTRICT - (310) 804-2584
16600 Civic Center Dr., Suite 200, Bellflower, CA 90607

[X] CENTINELA VALLEY REGION - (310) 534-4862
24320 S. Narbonne Ave., Lomita, CA 90717

[ ] LENNOX DISTRICT - (310) 419-5650
4353 Lennox Blvd., Lennox, CA 90304

[ ] SAN GABRIEL VALLEY DISTRICT - (818) 574-0962
125 S. Baldwin Ave., Arcadia, CA 91007

[ ] SAN DIMAS REGION - M, W, & F - (818) 574-0961
- T & TH - (818) 961-9611
125 S. Baldwin Ave., Arcadia, CA 91007

[ ] EAST LOS ANGELES DISTRICT - (213) 260-3466
5119 E. Beverly Blvd., Los Angeles, CA 90022

[ ] NEWHALL REGION - (805) 253-7207
23757 W. Valencia Blvd., Santa Clarita, CA 91355

[X] 48 HOURS (OR AS REQUIRED) - LOCAL FIRE DEPARTMENT FIRE PREVENTION INSPECTOR:

[ ] City of _____

[X] Los Angeles County Fire Department (310) 830-9596

[X] 24 HOURS - SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

(310) 403-6000

FAILURE TO PROVIDE NOTICE AS REQUIRED ABOVE MAY RESULT IN PERMIT REVOCATION, ADDITIONAL SITE ASSESSMENT REQUIREMENTS, AND/OR ADMINISTRATIVE PENALTIES AS PROVIDED BY LAW.

COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
WASTE MANAGEMENT DIVISION

CLOSURE REPORT REQUIREMENTS

A closure report shall be submitted to the County of Los Angeles Department of Public Works, Waste Management Division, P.O. Box 1460, Alhambra, California 91802-1460, containing:

1. File number of facility and closure permit number.

2. Plot plan to scale showing locations of tanks, sampling points, buildings, adjacent streets, and north arrow.

3. Description of methods for obtaining, handling, and transporting samples.

4. Time and date samples were obtained.

5. Soil sampling certification (including but not limited to soils classification, boring logs, sample procedures, sample locations, initiating chain-of-custody, and groundwater location) for UST closure shall be certified by a California registered geologist, a California certified engineering geologist, or a California registered civil engineer with sufficient experience in soils. The certification must clearly state that all work was performed under the supervision of the person signing.

6. Chain-of-custody documentation initiated by person obtaining sample through person at CAL/EPA Department of Toxic Substance Control certified laboratory.

7. Disposal destination of tanks and evidence of legal disposal.

8. Analysis results by a State certified laboratory submitted on laboratory letterhead showing analysis date, methods of extraction, and methods of analysis.

9. Documentation as to deptn of groundwater at facility.

10. Manifests to document hazardous waste disposal of any removed soil and tank rinseate.

11. Any observations of site contamination.

12. Remedial action plan to mitigate contamination.

13. Report to be signed by a California registered geologist, a California certified engineering geologist, or a California registered civil engineer with sufficient experience in soils.

Print Name Jeff Peterson

Signature [signature] Date 5-6-93

UST1/CRR

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM A

COMPLETE THIS FORM FOR EACH FACILITY/SITE

MARK ONLY ONE ITEM: ☐ 1 NEW PERMIT ☐ 2 INTERIM PERMIT ☐ 3 RENEWAL PERMIT ☐ 4 AMENDED PERMIT ☐ 5 CHANGE OF INFORMATION ☑ 7 PERMANENTLY CLOSED SITE ☐ 6 TEMPORARY SITE CLOSURE

I. FACILITY/SITE INFORMATION & ADDRESS - (MUST BE COMPLETED)

DBA OR FACILITY NAME	NAME OF OPERATOR	
Air Products Manufacturing Corp	Air Products	
ADDRESS	NEAREST CROSS STREET	PARCEL # (OPTIONAL)
23320 S. Alameda st	Sepulveda	
CITY NAME	STATE / ZIP CODE	SITE PHONE # WITH AREA CODE
Carson	CA	310) 518-0430

✓ BOX TO INDICATE: ☑ CORPORATION ☐ INDIVIDUAL ☐ PARTNERSHIP ☐ LOCAL-AGENCY DISTRICTS ☐ COUNTY-AGENCY ☐ STATE-AGENCY ☐ FEDERAL-AGENCY

TYPE OF BUSINESS	✓ IF INDIAN RESERVATION OR TRUST LANDS	# OF TANKS AT SITE	E. P. A. I. D. # (optional)
☐ 1 GAS STATION ☐ 2 DISTRIBUTOR ☐ 3 FARM ☐ 4 PROCESSOR ☑ 5 OTHER	☐		CAT080010656

EMERGENCY CONTACT PERSON (PRIMARY)		EMERGENCY CONTACT PERSON (SECONDARY) - optional	
DAYS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE	DAYS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE
Rolph Charles	310) 518-0430	Pendergast, John	310) 518-0430
NIGHTS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE	NIGHTS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE
Rolph Charles	(310) 761-0830 Beeper	Pendergast, John	310) 761-0831 Beeper

II. PROPERTY OWNER INFORMATION - (MUST BE COMPLETED)

NAME	CARE OF ADDRESS INFORMATION	
Air Products manufacturing	Charles C. Rolph	
MAILING OR STREET ADDRESS	✓ box to indicate ☐ INDIVIDUAL ☐ LOCAL-AGENCY ☐ STATE-AGENCY ☐ CORPORATION ☐ PARTNERSHIP ☐ COUNTY-AGENCY ☐ FEDERAL-AGENCY	
23320 S. Alameda St.		
CITY NAME	STATE / ZIP CODE	PHONE # WITH AREA CODE
~~Carson~~ ~~Long~~ Carson	CA.	310) 830-1570

III. TANK OWNER INFORMATION - (MUST BE COMPLETED)

NAME OF OWNER	CARE OF ADDRESS INFORMATION	
Air Products manufacturing	Charles C. Rolph	
MAILING OR STREET ADDRESS	✓ box to indicate ☐ INDIVIDUAL ☐ LOCAL-AGENCY ☐ STATE-AGENCY ☐ CORPORATION ☐ PARTNERSHIP ☐ COUNTY-AGENCY ☐ FEDERAL-AGENCY	
23320 S. Alameda st		
CITY NAME	STATE / ZIP CODE	PHONE # WITH AREA CODE
Carson	CA.	310) 830-1570

IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER - Call (916) 323-9555 if questions arise.

TY (TK) HQ 4 4 - _____

V. PETROLEUM UST FINANCIAL RESPONSIBILITY - (MUST BE COMPLETED) – IDENTIFY THE METHOD(S) USED

✓ box to indicate: ☐ 1 SELF-INSURED ☑ 5 LETTER OF CREDIT ☐ 2 GUARANTEE ☐ 6 EXEMPTION ☐ 3 INSURANCE ☐ 99 OTHER ☐ 4 SURETY BOND

VI. LEGAL NOTIFICATION AND BILLING ADDRESS

Legal notification and billing will be sent to the tank owner unless box I or II is checked.

CHECK ONE BOX INDICATING WHICH ABOVE ADDRESS SHOULD BE USED FOR LEGAL NOTIFICATIONS AND BILLING: I. ☐ II. ☐ III. ☐

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE)	APPLICANT'S TITLE	DATE MONTH/DAY/YEAR
Steven L. Morgan	Proj. Manager	5-6-93

LOCAL AGENCY USE ONLY

COUNTY #	JURISDICTION #	FACILITY #
19	000	5385

LOCATION CODE - *OPTIONAL*	CENSUS TRACT # - *OPTIONAL*	SUPVISOR - DISTRICT CODE - *OPTIONAL*
22		

THIS FORM MUST BE ACCOMPANIED BY AT LEAST (1) OR MORE PERMIT APPLICATION - FORM B, UNLESS THIS IS A CHANGE OF SITE INFORMATION ONLY.

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B

COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY ONE ITEM							
☐ 1 NEW PERMIT	☐ 2 INTERIM PERMIT	☐ 3 RENEWAL PERMIT	☐ 4 AMENDED PERMIT	☐ 5 CHANGE OF INFORMATION	☐ 6 TEMPORARY TANK CLOSURE	☐ 7 PERMANENTLY CLOSED ON SITE	☑ 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED:

I. TANK DESCRIPTION

COMPLETE ALL ITEMS -- SPECIFY IF UNKNOWN

A. OWNER'S TANK I. D. # UNKnown	B. MANUFACTURED BY: UNKnown
C. DATE INSTALLED (MO/DAY/YEAR) UNKnown	D. TANK CAPACITY IN GALLONS: 6000

II. TANK CONTENTS

IF A-1 IS MARKED, COMPLETE ITEM C.

A.	B.	C.	
☐ 1 MOTOR VEHICLE FUEL	☐ 4 OIL	☐ 1 PRODUCT	☐ 1a REGULAR UNLEADED
☐ 2 PETROLEUM	☐ 80 EMPTY	☒ 2 WASTE	☐ 1b PREMIUM UNLEADED
☐ 3 CHEMICAL PRODUCT	☐ 95 UNKNOWN		☐ 2 LEADED

☐ 3 DIESEL	☐ 6 AVIATION GAS		
☐ 4 GASAHOL	☐ 7 METHANOL		
☐ 5 JET FUEL			
☐ 99 OTHER (DESCRIBE IN ITEM D. BELOW)			

D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED caustic water C. A. S. # :

III. TANK CONSTRUCTION

MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM
☐ 1 DOUBLE WALL ☐ 3 SINGLE WALL WITH EXTERIOR LINER ☐ 95 UNKNOWN
☒ 2 SINGLE WALL ☐ 4 SECONDARY CONTAINMENT (VAULTED TANK) ☐ 99 OTHER

B. TANK MATERIAL (Primary Tank)
☒ 1 BARE STEEL ☐ 2 STAINLESS STEEL ☐ 3 FIBERGLASS ☐ 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC
☐ 5 CONCRETE ☐ 6 POLYVINYL CHLORIDE ☐ 7 ALUMINUM ☐ 8 100% METHANOL COMPATIBLE W/FRP
☐ 9 BRONZE ☐ 10 GALVANIZED STEEL ☐ 95 UNKNOWN ☐ 99 OTHER

C. INTERIOR LINING
☐ 1 RUBBER LINED ☐ 2 ALKYD LINING ☐ 3 EPOXY LINING ☐ 4 PHENOLIC LINING
☐ 5 GLASS LINING ☐ 6 UNLINED ☒ 95 UNKNOWN ☐ 99 OTHER
IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL ? YES ___ NO ___

D. CORROSION PROTECTION
☐ 1 POLYETHYLENE WRAP ☐ 2 COATING ☐ 3 VINYL WRAP ☐ 4 FIBERGLASS REINFORCED PLASTIC
☐ 5 CATHODIC PROTECTION ☐ 91 NONE ☑ 95 UNKNOWN ☐ 99 OTHER

E. SPILL AND OVERFILL SPILL CONTAINMENT INSTALLED (YEAR) N/A OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) N/A

IV. PIPING INFORMATION

CIRCLE **A** IF ABOVE GROUND OR **U** IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE	A U 1 SUCTION	A U 2 PRESSURE	A U 3 GRAVITY	A U 99 OTHER UNKnown
B. CONSTRUCTION	A U 1 SINGLE WALL	A U 2 DOUBLE WALL	A U 3 LINED TRENCH	A U 95 UNKNOWN A U 99 OTHER
C. MATERIAL AND CORROSION PROTECTION	A U 1 BARE STEEL	A U 2 STAINLESS STEEL	A U 3 POLYVINYL CHLORIDE (PVC)	A U 4 FIBERGLASS PIPE
	A U 5 ALUMINUM	A U 6 CONCRETE	A U 7 STEEL W/ COATING	A U 8 100% METHANOL COMPATIBLE W/FRP
	A U 9 GALVANIZED STEEL	A U 10 CATHODIC PROTECTION	A U 95 UNKNOWN	A U 99 OTHER

D. LEAK DETECTION ☐ 1 AUTOMATIC LINE LEAK DETECTOR ☐ 2 LINE TIGHTNESS TESTING ☐ 3 INTERSTITIAL MONITORING ☐ 99 OTHER none

V. TANK LEAK DETECTION

☐ 1 VISUAL CHECK ☐ 2 INVENTORY RECONCILIATION ☐ 3 VADOZE MONITORING ☐ 4 AUTOMATIC TANK GAUGING ☐ 5 GROUND WATER MONITORING
☐ 6 TANK TESTING ☐ 7 INTERSTITIAL MONITORING ☑ 91 NONE ☐ 95 UNKNOWN ☐ 99 OTHER

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR)	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING	3. WAS TANK FILLED WITH INERT MATERIAL ?
	Empty GALLONS	YES ☐ NO ☐

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE) Steven L. Monson DATE 5-6-93

LOCAL AGENCY USE ONLY

THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.#	COUNTY #	JURISDICTION #	FACILITY #	TANK #
	19	000	5385	1

PERMIT NUMBER	PERMIT APPROVED BY/DATE	PERMIT EXPIRATION DATE
61306	VB / 5-6-93	

FORM B (7-91) THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.

FOR0034B-R5

H10

L.A. COUNTY DPW
DATE COMPILED: 02/22/93
RUN DATE: 05/13/93 10:24:58

HAZARDOUS MATERIALS SYSTEM
TANKS INSPECTION JOB ORDER
CLOSURE BY REMOVAL

REPORT: HMR050.002
INSP#: I000061774
ASSC#: A000061306
PAGE: 1

FILE #: 005186-005385 NAME: AIR PRODUCTS MFG CORP
ADD: 23320 S ALAMEDA ST
CARSON, CA 90810 AREA: 22 SMD: 95
XSTREET: SEPULVEDA THOMAS GUIDE: 0074-D1
CONTACT: MANGAS, JOHN TEL: 213 643 8691

PROC: SAMPLE REQUIRED? N SAMPLE #: _____

INSP INFO: CLOSURE OF 1-6K CASTIC WATER TANK ON 05/18/93 AT 12PM
IT CORPORATION (310) 830-1781 - JEFF PETERSON

PERM TYPE: T 0 TANK OPERATING PERMIT # OF TANKS: 1 STATUS: PERMI

	FREQUENCY	LAST PERFORMED	NEXT DUE
INSPECTION	36		05/05/94
SAMPLE			
SELF-MONITOR			

ASSGN TO: CENTINELA VALLEY FIELD OFFICE SECT: FIELD INSPECTION UNIT

TANK #	OWNER TANK ID #	CAPACITY (GAL)	CONTENTS
001	28.70	6,000	HAZARDOUS
CON: SINGLE WALLED			LDS: INVENTORY RECONCILIATION

==========

RESULTS: Mr Jim Stapleton, IT Corporation, project manager and geologist for this site project, said over telephone conversation this morning that this site's closure reports were submitted to central office, Alhambra about one and half (1½) months ago.

REMARKS: Air Products employees have no information on tanks. For further information on tank(s) contact David Drown (215/481-6143)

INSPECTOR: I. Azie INSPECTION DATE: 11-2-93

DISP: _____

JB

David P. Drown, P.E.
Project Management

AIR PRODUCTS

Process Systems Group
Air Products and Chemicals, Inc.
7201 Hamilton Boulevard
Allentown, PA 18195-1501
Telephone (215) 481-6143
Telecopy (215) [redacted] 481-3099
Telex 847416

Paul Buelow, Plant Manager
310/518-0430

Air Product MFG Corp. File 5385-22

The initial Closure report and following site investigation are missing from file. I called James Stapleton of IT Corp at 310-830-1781 on 8-17-93 and asked him to send us copy of inital closure report & site Investigation.

S.A 8-17-93

005186-005385

Air Products and Chemicals, Inc.
7201 Hamilton Boulevard
Allentown, PA 18195-1501

Telephone (610) 481-4911
Telex: 847416

AIR PRODUCTS

Clup 77969 ND OTHR

27 April 1995

RECEIVED
MAY - 2 1995
DEPARTMENT OF PUBLIC WORKS
WASTE MANAGEMENT DIVISION

C133756

Mr. Keith Elliot
Regional Water Quality Control Board
101 Centre Plaza Drive
Monterey Park, CA 91754-2156

Re: Request For Regional Water Quality Control Board (RWQCB) Written Determination Of Underground Storage Tank Closure Status.
Air Products And Chemicals, Inc., 23320 S. Alameda St., Carson, CA 90810

Dear Sir:

As mentioned in my 18 November 1994 letter, Air Products and Chemicals, Inc. (Air Products) would like to return a portion of the above referenced leased property to ARCO Products Company (ARCO). In order to do so, Air Products must address ARCO's environmental concerns related to Air Products past use of the property. One of ARCO's concerns is that Air Products lacks documentation of final approval from the Los Angeles Department Of Public Works (LADPW) for proper underground storage tank removal/closure for three tanks. Since LADPW is only willing to grant closure for the entire site and is unwilling to do so at this time due to an ongoing remediation project, Air Products is unable to provide ARCO with the requested LADPW final closure approval. In light of this, ARCO would like a written determination from the Regional Water Control Board regarding the status of the three underground tanks that were removed.

ARCO's Dean Kirk informed me that you would like a copy of the report I sent to John Lewis of your office before making your determination. This report describes the soil contamination discovered in our hydrogen purification area. This contamination is not related to the three tanks that were removed from the portion of property that we now wish to return. Given the character of the contamination and the surface spill extent, it also does not appear to be related to two additional underground tanks that were removed from our purification area. All indications lead us to a contamination source of a past, aboveground, hydrocarbon condensate tank. We are about to commission a soil vapor extraction system to remove these hydrocarbons from the purification area.

Please review the enclosed report and issue me a letter regarding the RWQCB determination of the closure status of tanks # LD-IGD-1, LD-IGD-2, and 28.5. Keep in mind that this report and the hydrogen purification area is unrelated to the subject area to be returned and its three removed underground tanks. If you would like to discuss this with me, please call me at (610) 481-8867. My contact at ARCO has been Dean Kirk (310) 816-8421 and my contact at the LADPW has been Mohammed Farzan (818) 458-3980.

I would greatly appreciate your speedy response to this request to:

Robert Swigart
Air Products And Chemicals, Inc.
7201 Hamilton Boulevard
Allentown, PA 18195-1501

Sincerely,

Robert Swigart

Robert J. Swigart
Principal Environmental Coordinator
GEG Environmental, Health & Safety

RJS/sab/lbrwqcb2
enclosure

c: Dean Kirk*
ARCO Products Company
Los Angeles Refinery
Box 6210
Carson, CA 90749-6210

Mohammed Farzan*
Los Angeles Dept. of Public Works
P.O. Box 1460
Alhambra, CA 91802-1460

John Lewis*
Regional Water Quality Control Board
101 Centre Plaza Drive
Monterey Park, CA 91754-2156

*Letter only

Responsible Care®
A Public Commitment

005186-005385 WASTE

STATE OF CALIFORNIA—ENVIRONMENTAL PROTECTION AGENCY

PETE WILSON, Governor

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION
101 CENTRE PLAZA DRIVE
MONTEREY PARK, CA 91754-2156
(213) 266-7500
FAX: (213) 266-7600

RECEIVED
SEP 25 1995
DEPARTMENT OF PUBLIC WORKS
WASTE MANAGEMENT DIVISION

C 14623

September 21, 1995

Mr. Robert J. Swigart
Air Products and Chemicals, Inc.
7201 Hamilton Boulevard
Allentown, PA 18195-1501

AIR PRODUCTS MANUFACTURING CORP. - 23320 SOUTH ALAMEDA STREET, CARSON (FILE NO. 95-089)

We reference your letter of April 27, 1995, and supporting documents requesting closure of underground tank locations LD-IGD-1, LD-IGD-2, and 28.5 at the subject site. The depth to first ground water at the subject site is about 30 feet below ground surface (bgs) and the depth of the underlying Gage aquifer is about 75 feet bgs.

Following are our determinations from reviewing your submittal:

1. Petroleum hydrocarbon soil contamination was identified:

   a. In the underground tank locations LD-IGD-1 and LD-IGD-2. The soil contamination was below the screening levels established in the Interim Site Assessment and Cleanup Guidebook, February 1995;

   b. In the southeastern half of the site, near the former underground tank 28.5. After removal and remediation of the underground tank No. 28.91, about 410 cubic yards of soil with up to 9,590 mg/kg TPH contamination were disposed where the former underground tank 28.5 was located;

   c. In the northern half of the site at the southeastern edge of the former vessel repair shop (up to 11,900 mg/kg TRPH, 167 mg/kg TPH gasoline, 9,880 mg/kg TRPH diesel, and 5 µg/kg benzene);

   d. In the former specialty gas plant area (up to 71,500 mg/kg TRPH, 19 mg/kg benzene, and 450 mg/kg toluene); and

   e. Along the western property line (up to 35,400 mg/kg TRPH, 7,170 mg/kg TPH gasoline, 50,400 mg/kg TPH diesel, 17.4 mg/kg benzene, 10.9 mg/kg toluene, 9.68 mg/kg ethylbenzene, 24.1 mg/kg xylene).

2. Also, a report by IT Corporation, dated August 12, 1993, indicated that the CAM-WET analytical results for arsenic in

L 71969

sample C-6 was 22 mg/ℓ. This exceeds the STLC for arsenic of 5 mg/ℓ. The report indicates that the portion of the berm near sample C-6 was removed but did not report any confirmation samples.

Based upon the information submitted we have determined that no further action is required for the underground tank locations LD-IGD-1 and LDIGD-2. However, before sign-off of underground tank location 28.5, we require that confirmation samples be collected in the area where the 410 cubic yards of soil containing up to 9,590 mg/kg TRPH was disposed.

In addition, the following is required:

1. Remediate the petroleum-hydrocarbon soil contamination in the northern half of the site - specifically at the southeastern edge of the repair shop, in the Specialty Gas Plant area, and along the western property line.

2. Collect confirmation samples from the cinder block berm noted in determination 2, above, and analyze for arsenic.

Submit a work plan to this Regional Board by October 31, 1995, addressing the two requirements, above. Please call Keith Elliott at (213) 266-7614 if you have any questions.

Keith J Elliott for

J.E. ROSS, Unit Chief
Site Cleanup Unit

cc: Mr. Mahammad Farzan, Los Angeles County Department of Public Works - Waste Management Division
Mr. Dean Kirk, Arco Los Angeles Refinery

005186-005385

STATE OF CALIFORNIA - CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY

PETE WILSON, *Governor*

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION
101 CENTRE PLAZA DRIVE
MONTEREY PARK, CA 91754-2156
(213) 266-7500
FAX: (213) 266-7600

November 9, 1995

C 148782

Mr. Robert J. Swigart
Air Products and Chemicals, Inc.
7201 Hamilton Boulevard
Allentown, PA 18195-1501

AIR PRODUCTS MANUFACTURING CORP. - 23320 SOUTH ALAMEDA STREET, CARSON (FILE NO. 100.315)

We reference your letter of October 26, 1995, responding to our letter dated September 21, 1995, and requesting closure of the underground tank No. 28.5. Based upon the information provided, the following are our determinations:

1. Your letter indicates that soil sample S5 (ND for STLC arsenic), located underneath concrete sample C6, was collected and analyzed to confirm that the contamination identified in sample C6 (22 mg/kg for STLC arsenic) was removed. The confirmation sample requested in our September 21, 1995, letter is no longer required.

2. Total petroleum hydrocarbon (TPH) up to 210 mg/kg was identified in soil samples collected from underground tank No. 28.5. This contamination is below our screening levels for site remediation, therefore, no further action is required regarding this underground tank.

3. After removal and remediation of the underground tank No. 28.91, about 410 cubic yards of soil with up to 7,400 mg/kg TPH, possibly weathered crude oil, was disposed towards the eastern border of the property at an unknown location. The disposal location of this contaminated soil must be located before closure of underground tank No, 28.1, and final site closure may be granted.

4. We will place in abeyance the requirement for additional investigation and remediation of the facility pending completion of the current soil vapor extraction system remediation activities. However, prior to site closure, ARCO and Air Products must provide sufficient evidence showing that site activities have not contributed to the petroleum-hydrocarbon contaminants identified in site soils out-side the influence of the vapor extraction system.

In addition, your letter requested citing information regarding benzene and toluene soil contamination in the former specialty gas plant area. The report of the closure of the spent caustic tank, dated September 1, 1993, identified up to 91 mg/kg benzene, 450 mg/kg toluene, 320 mg/kg xylene, 57 mg/kg ethylbenzene, and 3,540 mg/kg TPH in site soils. However, we acknowledge that a soil vapor extraction system is present at the site to remediate these contaminants.

L77969

Submit a work plan to collect confirmation samples and perform the above required investigation 30 days prior to completion of the vapor extraction activities at the site. Please call Keith Elliott at (213) 266-7614 if you have any questions.

J.E. ROSS, Unit Chief
Site Cleanup Unit

cc: Mr. Mahammad Farzan, Los Angeles County Department of Public Works - Waste Management Division
Mr. Dean Kirk, Arco Los Angeles Refinery

Formerly-Air Products, Inc

Air Products and Chemicals INC.

ALLENTOWN, PENNSYLVANIA

COUNTY ENGINEER
REPLY ACTION INFO
FEB 2 1 38 PM '62
REPT TO ___ PREPARE ___ PHONE 395-4911
JAL ___ HTB ___
LBK ___ CDG ___ LDM ___

January 30, 1962

I-5385

Department of the County Engineer
County of Los Angeles
Industrial Waste Division
108 W. Second Street
Los Angeles, California

Attention: J. L. Parton
Division Engineer

Dear Mr. Parton:

I would like to express my personal appreciation of the assistance and guidance given to our representatives last week at your office. The expeditious design and construction of our liquid hydrogen plant has been measurably expedited by the assistance that we received.

A matter of concept regarding the disposition of industrial wastes must be resolved prior to continuing with our program. Your approval is solicited for the wasting of spent caustic from our system to the Dominguez Channel near the corner of Sepulveda Boulevard and Alameda Streets. The caustic quantities and amounts to be wasted are as follows:

Quantities - 6 Gallons per hour

H_2O - 88%
NaOH - 2%
Na_2CO_3 - 10%

These concentrations may be further reduced by dilution with cooling tower blowdowns which will amount to 75 gallons per minute.

These data are supplied in confirmation of a discussion between your Mr. Lorenzo Quintana and the writer. If there is any further information required, please let me know.

Very truly yours,

F. B. Eastman
Chief Project Manager

cc: Mr. M. J. Kudroff
Daniel, Mann, Johnson and Mendenhall
3325 Wilshire Boulevard
Los Angeles, California

REQUEST FOR I NUMBER

I 5385-2

W.S. 28-E-2

Name Air Products and Chemicals Inc

Address of Industry 23320 S. Alameda

Locality

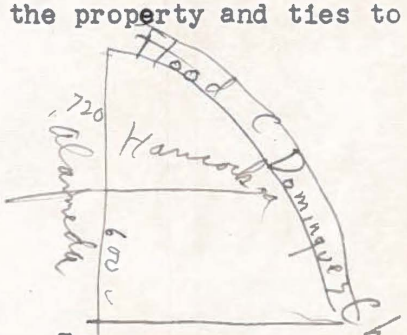
(Do not show mailing address located elsewhere)

Between Dominguez Channel & and Sepulveda

RECORDS SQUAD MUST BE FURNISHED WITH THE FOLLOWING ITEMS TO ENABLE PLOTTING THE PROPERTY ON OUR INDEX MAPS

1. A plot or sketch showing dimensions of the property and ties to cross streets

See Plot plan



2. Legal (Optional) Lot ____ Blk. ____ Tr. ____

By L Quintana Date 3-9-62

REQUEST FOR NAME CHANGE

I ____ - ____

Formerly: Name ____

Address ____

To: Name ____

Address ____

By ____ Date ____

PROCESSING

File folder & indexing by DR 3-12-62

Plotted by Dobes 3-29-62

City or ~~unincorporated~~ County

IBM index by DR 3-9-62

Forward to "I" file upon completion of IBM indexing.

#162

431 2 3208

1254

Air Products and Chemicals INC.

ALLENTOWN, PENNSYLVANIA

MAIL ADDRESS
6701 S. SEPULVEDA BLVD.
LOS ANGELES 45, CALIF.

TELEPHONE
SPRING 6-1881
ORCHARD 0-8044
TWX INGL 4135

March 26, 1962

County of Los Angeles
Department of County Engineer
Building and Safety Division
108 West Second Street
Los Angeles 12, California

I-5385

Attention: Lorenzo Quintiana

Subject: Air Products and Chemicals, Inc.
23320 South Alameda Street
Control Building
Plan Check No. 3836

Gentlemen:

This letter will confirm conversation between Mr. Lorenzo Quintiana of the Building and Safety Division and Mr. James A. Goring of Daniel, Mann, Johnson and Mendenhall, wherein it was stated that industrial wastes emanating from the Control Building Laboratory would be limited to 1000 cc per week of 10% caustic and 500 cc per week of 5% acid. These wastes will be disposed of in the facility sanitary system.

Yours very truly,

AIR PRODUCTS and CHEMICALS, INC.

George W. Bretz
Construction Manager

GWB/kdh

RICHFIELD OIL CORPORATION

REFINING DIVISION • P. O. BOX 787 • WILMINGTON, CALIFORNIA

T-5385

March 27, ~~1962~~

Mr. John A. Lambie, County Engineer
County of Los Angeles
Dept. of County Engineer, Bldg. & Safety Depts.
108 W. Second Street
Los Angeles, California

Dear Sir:

This is to certify that the Richfield Oil Corporation has reviewed drawing number 1-6100-57-252, dated March 17, 1962, prepared by the Air Products and Chemicals, Incorporated, for drainage for the property having an address of 23320 South Alameda Street which is adjacent on the north, east, and south to property owned by the Richfield Oil Corporation.

There is and will be no objections on the part of the Richfield Oil Corporation for work performed by Air Products and Chemicals, Incorporated in connection with the traverse of the drain line, marked 21" V.C., through 50 feet of Richfield Oil Corporation property en route to the Flood Control Channel.

Richfield Oil Corporation holds the county free of liability and responsibility for the work on this property.

Yours truly,

RICHFIELD OIL CORPORATION

By L. F. Strader

L. F. Strader
General Manager
Manufacturing

I-5385

COUNTY ENGINEER
REPLY ___ ACTN ___ INFO ___
REFD TO
RECEIVED APR 10 1962
REPT TO ___ REPLY ___
JAL ___ HTB ___
LBK ___ COG ___ LDM ___

DANIEL, MANN, JOHNSON, & MENDENHALL

3325 WILSHIRE BOULEVARD · LOS ANGELES 5, CALIFORNIA · DUNKIRK 1-3663

PRESIDENT
IRVAN F. MENDENHALL, C.E.
EXECUTIVE VICE PRESIDENTS
PHILLIP J. DANIEL, A.I.A.
ARTHUR E. MANN, A.I.A.
S. KENNETH JOHNSON, A.I.A.
STANLEY A. MOE, A.I.A.
VICE PRESIDENT
T. K. KUTAY, A.I.A.

April 9, 1962

County of Los Angeles
Department of County Engineer
Building and Safety Division
108 West Second Street
Los Angeles 12, California

Attention: Mr. Lorenzo Quintiana

Subject: Air Products and Chemicals, Inc.
Hydrogen Facility
23320 South Alameda Street
County of Los Angeles, California

Gentlemen:

Transmitted herewith are two sets of prints covering the proposed Storm Drainage Outfall as submitted to the Los Angeles County Flood Control District today.

For your convenience we are enclosing two copies of the letter sent to the Flood Control District and Air Products Drawing No. 252E.

Very truly yours,

J. A. Goring

DANIEL, MANN, JOHNSON, & MENDENHALL

J. A. Goring
Project Architect
/vm
Enclosures
cc: Mr. George W. Bretz

I-5385

COUNTY ENGINEER
REPLY ___ ACTN ___ INFO ___
REFD TO

DANIEL, MANN, JOHNSON, & MENDENHALL

3325 WILSHIRE BOULEVARD · LOS ANGELES 5, CALIFORNIA · DUNKIRK 1-3663

APR 20 AM '62
REPT TO ___ PREP REPLY
JAL ___ RTB ___
LBK ___ CDG ___ LDM

PRESIDENT
IRVAN F. MENDENHALL, C.E.
EXECUTIVE VICE PRESIDENTS
PHILLIP J. DANIEL, A.I.A.
ARTHUR E. MANN, A.I.A.
WM. S. KENNETH JOHNSON, A.I.A.
STANLEY A. MOE, A.I.A.
VICE PRESIDENT
T. K. KUTAY, A.I.A.

April 16, 1962

I-5385-2

Mr. J. A. Lambie
County of L. A. Engineering Department
108 West Second Street
Los Angeles, California

Attention: Mr. J. L. Partin

Subject: Air Products and Chemicals, Inc.
Hydrogen Facility
23320 South Alameda Street
County of Los Angeles, California

Gentlemen:

At the request of Mr. L. Quintiana, we are transmitting herewith one copy of Air Products and Chemicals, Inc.'s brochure for their Hydrogen Facility at 23320 South Alameda Street.

We trust the information contained in the brochure will be of help in explaining the functions of the different structures which you have had under review.

In answer to the question raised by Mr. Quintiana as to the function of the Perlite Silo, it is our understanding that this structure houses "Perlite" insulation which is used to insulate certain equipment, such as the cold boxes, etc. At the time of equipment servicing it may be necessary to temporarily return the insulation to the silo.

Very truly yours,

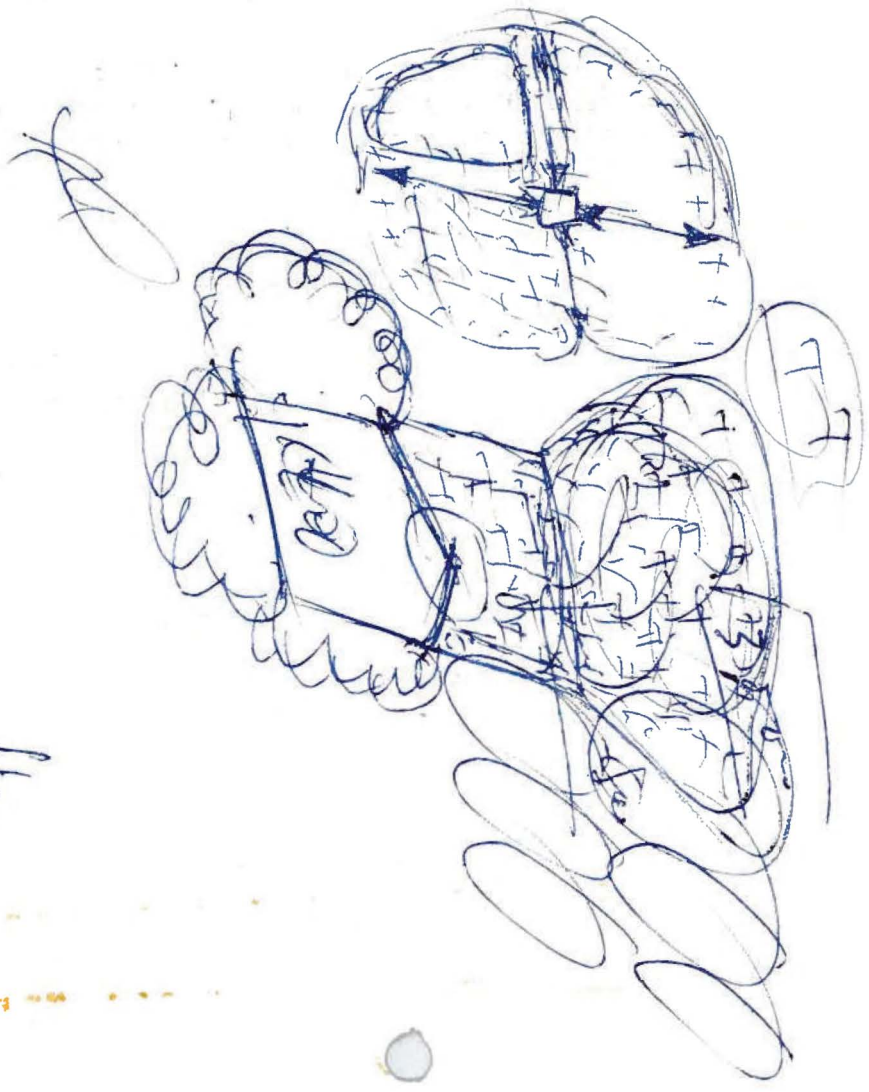
James A. Goring

DANIEL, MANN, JOHNSON, & MENDENHALL

James A. Goring
Project Architect
/vm
Enclosure
cc: Mr. George W. Bretz

RECEIVED
Department of County Engineer
INDUSTRIAL WASTE DIVISION
APR 17 1962

Ref. to .....
Per .....



EOLS

I-5385-20

MEMORANDUM

TO: Tom Otteson
FROM: Bernard Valasky
DATE: July 13, 1962
FILE: AIR PRODUCTS AND CHEMICALS INC. I-5385-20
23320 S. Alameda Street

Attached are approved plans showing facilities to be constructed at the hydrogen liquefying plant to be located at the above address.

The process includes using waste gas from the reforming process at the Richfield Refinery. This waste gas contains about 80 to 90 percent of elemental hydrogen together with other gases. Previously, the Richfield Company had been using this product for firing their boilers. These gases will now be pumped to the proposed new Air Products plant and the end product at this new plant will be pure hydrogen.

The gases pumped from the Richfield Refinery are passed through a light oil, stripping benzene and other aromatics. There will be no waste from this stripper. Carbon dioxide is removed in a caustic stripper and the spent solution from this stripping operation, sodium carbonate, will be discharged to Dominguez Channel. Other discharges to Dominguez Channel include 75 gallons per minute of cooling tower bleedoff and storm runoff. Included also is a small control laboratory which discharges into the domestic sanitary system. The discharge of these small amounts of laboratory wastes has been discussed and approved by the Health Department. Other facilities include floor drains in a Maintenance Building for washdown which will discharge also to the sanitary system. Included also are plans showing details of the connection to Dominguez Channel. A Permit for this connection has been issued by the Los Angeles County Flood Control District.

If the above facilities are installed, an Industrial Waste Permit will be required.

BIV-LQ:rst
Attachment
cc: Region 20
WC
JH
LQ
I-5385-20

Mr. John A. Lambie
County Engineer
County Engineering Building
108 West Second Street
Los Angeles 12, California

I-538

MARCH 5 19 63

Attention Mr. Arthur Pickett
Industrial Waste Division Engineer

Dear Sir:

APPLICATION FOR INDUSTRIAL WASTE PERMIT

Firm Name AIR PRODUCTS AND CHEMICALS INC.

Corporation X Partnership Individual

Owner's Name(s)

Address (mailing) 23320 S. ALAMEDA Phone No. 835-0106

Address (of installation) LONG BEACH 10, CALIF.

Description of Industry CRYOGENIC GAS PROCESSING

Description of operation producing waste COOLING WATER TOWER
GAS ANALYSIS LABORATORY

Chemicals, solvents, cleaning compounds, oils or other substances contained in liquid waste discharge

Estimated amount of waste liquids 40 GPM COOLING TOWER BLOWDOWN
15 GPD LAB. SINK WASTE

Liquid wastes will be disposed by COOLING TOWER BLOWDOWN TO DOMINGUEZ CHANN
LAB. WASTE TO DOMESTIC SEWER

Description of solid wastes NONE

Solid wastes will be disposed by DOES NOT APPLY

Additional information

D. N. Reimer
(Applicant's Signature)

Additional information regarding this application may be obtained by calling the Industrial Waste Division of the County Engineer's Office, Room 226, 108 West Second Street, Los Angeles 12, California, MAdison 9-4747, Extension 81431. Industrial Waste Application Fee of $10.00 should be made payable to John A. Lambie, County Engineer. This application fee is not refundable.

6/1/60

Assign # 5165

Check # 1853 90-2233/1332 3-6-63 Air Products & Chemicals Inc

3-13

INDUSTRIAL WASTE SURVEY

City _____ I. File No. 53 85-20

S.M.D. No. _____ Permit No. P.I.P.

Firm Name: Air Products and Chemicals Inc.

Address: 23320 S. Alameda Tel. No. 835-0106

between 223rd st and Sepulveda Blvd.

Contact Name Dan Rezmer Title: Process Supt

Business and Processes: Mfg. liquid hydrogen - Feed stock, formerly a waste gas from Richfield Refinery, contains 80 to 90% hydrogen with other gasses. This is first passed through a light oil, stripping benzine & aromatics. (No waste) Hydrogen gas is pressurized to 1500 PSI. liquified, and then hauled to govt. missle programs. Benzines & aromatics pass through a caustic stripper creating a sodium carbonate waste to channel. This and cooling tower bleedoff approx 40 GPM to channel. Waste to ~~entrap~~ Incidental wastes used in laboratory analysis: 15 gallons daily plus domestic

TYPE AND QUANTITY I.W.: wastes hauled: 6866 lbs. every 2 months spent caustic hauled by Coast Tank Serv. to Stringfellow quarry - Riverside.

WASTE DISPOSAL:

Sewer: S.M.D. _____ San Dist. _____ Volume 1592 l day

Surface Drainage To Dom. channel Cooling Water Bleedoff to channel Uncontaminated none

Underground All sewage to Septic tank then to seepage pits

Other none

PRETREATMENT FACILITIES:

Location _____

Trap: Standard none Non Standard none

Other: 2 sinks in lab, 6 floor drains, one floor sink

REQUIREMENTS AND DATA:

Inspection yes Frequency monthly Permit P.I.P.

New Industry yes Resurvey _____ T.C. Requested yes

Classification 203 Method of Disposal Septic tank seepage pits Dominguez channel

REMARKS AND RECOMMENDATIONS:

Present I.W. facilities are adequate.

I.W. approval of plans by R. Quintana 3-29-62

This will be included in our periodic inspection schedule.

Survey by: L. Davis Date: 3-5-63

March 8, 1963

File

Mr. Linne C. Larson, Executive Officer
Regional Water Pollution Control Board No. 4
504 Spring Arcade Building
541 South Spring Street
Los Angeles 13, California

Attention Mr. L. A. Meyerson

Dear Sir:

AIR PRODUCTS & CHEMICALS INC.
(I-5385-20)

In accordance with the procedure established between our offices in the matter of processing applications for Industrial Waste Permits, it is requested that you contact all State agencies which, in your opinion, may be concerned with the proposed operations described in the attached application.

This application will be discussed at the next Industrial Waste Committee Meeting tentatively set for April 2, 1963.

Very truly yours,

John A. Lambie
COUNTY ENGINEER
Original Signed

John W. Henderson
Civil Engineer
Industrial Waste Division

JWH-JCT-8:hf

Enc.

FILE

March 8, 1963

Dr. K. H. Sutherland
Los Angeles County Health Officer
241 North Figueroa Street
Los Angeles 12, California

Attention Mr. Henry L. Messier

Dear Sir:

AIR PRODUCTS & CHEMICALS, INC. (I-5385-20)

In accordance with requirements of Sections 6207 and 6208 of Ordinance No. 6130, your recommendations are requested in the matter of processing the attached application for an Industrial Waste Permit.

This application will be discussed at the next Industrial Waste Committee Meeting tentatively set for **April 2, 1963.**

It is particularly requested that your recommendations be submitted to this Office not later than the week immediately following the Committee Meeting.

Very truly yours,

John A. Lambie
COUNTY ENGINEER

Original Signed
John W. Henderson
Civil Engineer
Industrial Waste Division

JWH:hf
Enc.

L-9

March 8, 1963

Mr. M. E. Salsbury
Chief Engineer
L.A. County Flood Control District

Attention Mr. O. D. Hall

Dear Sir:

AIR PRODUCTS & CHEMICALS, INC.
(I-5385-20)

The enclosed application for an Industrial Waste Disposal Permit will be considered at the next meeting of the Industrial Waste Committee Meeting on **April 2, 1963.**

Very truly yours,

John A. Lambie
COUNTY ENGINEER

Original Signed
John W. Henderson
Civil Engineer
Industrial Waste Division

JWH-CJF-8:hf

Enc.

J. Thompson
I-5385-20

March 11, 1963

Air Products and Chemicals, Inc.
23320 South Alameda Street
Long Beach 10, California

Gentlemen:

AIR PRODUCTS AND CHEMICALS, INC. (I-5385-20)

Enclosed is a receipt for the $10.00 Industrial Waste Permit Application Fee submitted with your request to discharge industrial wastes from your gas processing facilities located at 23320 South Alameda Street.

Your application has been placed on the agenda for review at the next meeting of the Industrial Waste Committee tentatively scheduled for April 2, 1963, at 1:30 P.M. in Room 1015 of the County Engineering Building. You are invited to attend this meeting, if you desire, to present additional information which may supplement the data shown on your Industrial Waste Permit Application.

Yours very truly,

John A. Lambie
COUNTY ENGINEER

John W. Henderson
Civil Engineer
Industrial Waste Division

JWH-CJT:iw-8

Enc:

bc; JWH, JCT, I-4767-20

I-5385-20

4-12

March 11, 1963

Air Products and Chemicals, Inc.
23320 South Alameda Street
Long Beach 10, California

Gentlemen:

AIR PRODUCTS AND CHEMICALS, INC. (I-5385-20)

Enclosed is a receipt for the $10.00 Industrial Waste Permit Application Fee submitted with your request to discharge industrial wastes from your gas processing facilities located at 23320 South Alameda Street.

Your application has been placed on the agenda for review at the next meeting of the Industrial Waste Committee tentatively scheduled for April 2, 1963, at 1:30 P.M. in Room 1015 of the County Engineering Building. You are invited to attend this meeting, if you desire, to present additional information which may supplement the data shown on your Industrial Waste Permit Application.

Yours very truly,

John A. Lambie
COUNTY ENGINEER

Original Signed

John W. Henderson
Civil Engineer
Industrial Waste Division

JWH-CJT:iw-8

Enc:

bc; JWH, JCT, I-4767-20

I-5385

Lab. Copy ..... WHITE
I File Copy ..... BUFF
Field Copy ..... PINK
Num. Copy .... GREEN

COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
INDUSTRIAL WASTE DIVISION

CHEMICAL ANALYSIS

Analysis requested by Joe Knight

Sample of [redacted] I.W. water to Dominguez Channel from Air Prod. & Chem. 23320 S. Alameda *file:* I-5385-20

Source of suspected contaminants, i.e., character of industrial process, etc.

Sample marked AP-#1 *collected by* L. Davis

Quantity 2 quarts *Date* 3-6-63 *Time of day* 1:45 PM

	PARTS PER MILLION		PARTS PER MILLION
Calcium	120	Hydroxide	0
Magnesium	45	Carbonate	0
Sodium	25-6	Bicarbonate	132
Iron	0	Chloride	210
Manganese	0	Sulfate	530
Aluminum	0	Nitrate	10
Boron	0	Sulfide	0
Chromium	140	Fluoride	1.0
Silica	14.	Phosphate	0.1
		Cyanide	0
Total Cations	449	Total Anions	943.1
		Total Ions (calculated dissolved solids)	1325.

pH	7.9	Dissolved Oxygen	
Hardness (as $CaCO_3$)	480	Biochemical Oxygen Demand	
Alkalinity (as $CaCO_3$)	108	Dissolved Solids	
Carbon Dioxide (Calc.)	2.5	Suspended Solids	
Phenols		Total Solids	
Oil & Grease		Turbidity	25
Non-Carbonate. Hardness	372	Sodium Ratio	53.5
Conductance K x 10^{-6}	2235		

Remarks or special analyses standard water analysis

Received at laboratory 3-6-63 *Laboratory No.* 16931

Analysis by C & PI *Date* 3-13-63

76C211F—CE 644— Gb 5-59

COUNTY OF LOS ANGELES
HEALTH DEPARTMENT
241 N. Figueroa Street
Los Angeles 12, California

K. H. Sutherland, M.D.
HEALTH OFFICER

Gerald A. Heidbreder, M.D.
Chief Deputy Health Officer

COUNTY ENGINEER
REPLY ___ ACTN ___ INFO ___
REFD TO

MAR 15 10 25 AM '63

REPT TO ___ PREP REPLY
JAL _____ HTB _____
LBK ___ CDG ___ LDM ___

I-5385-20

March 14, 1963

Mr. John A. Lambie, County Engineer
108 West Second Street
Los Angeles 12, California

Attention: Mr. John W. Henderson, Civil Engineer
Industrial Waste Division

Dear Sir:

Subject: Air Products & Chemicals, Inc.
23320 South Alameda, Long Beach (I-5385-20)

The Los Angeles County Health Department will have no objection to the issuance of an industrial waste permit to the subject applicant in accordance with their application of March 5, 1963.

Very truly yours,

K. H. SUTHERLAND, M. D.
Health Officer

Henry L. Messier

Henry L. Messier, Asst. Director
Bureau of Sanitation

HLM:vr
cc: Dr. Sutherland
Leonard Mushin
David Colfelt

File I-5385

April 15, 1963

Air Products & Chemical Inc.
23320 South Alameda Street
Long Beach, California

Original Signed

Gentlemen:

AIR PRODUCTS & CHEMICAL INC. (I-5385-20)

Enclosed is Industrial Waste Disposal Permit No. 3113 which sets requirements on the disposal of your industrial wastes to the Dominguez Channel, and to the sanitary sewer available to the site.

Improvements to Dominguez Channel are now under construction. The California State Regional Water Pollution Control Board No. 4 has adopted long range waste disposal and water quality objectives for the Dominguez Flood Control Channel. While the objectives do not specifically so state, we believe that it was the intent of the Regional Board that they be effective for the waters in the improved Channel rather than the present Channel. The principal difference between their objective from the conditions and limitations in outstanding waste disposal permits for discharge to Dominguez Channel is the requirement that at least 0.5 parts per million of dissolved oxygen be maintained in channel waters at all times.

It is probable that the conditions and limitations of outstanding waste disposal permits, issued by the County Engineer for discharges into Dominguez Channel, will have to be modified to insure conformance with these objectives. The principal

change would be a limitation on the amount of dissolved organic materials that may be discharged into the Channel. In this event, all permittees will be so notified and will be given the opportunity to review specific proposed revisions before such revisions are made effective.

Yours very truly,

John A. Lambie
COUNTY ENGINEER

Original Signed

John L. Partin
Acting Division Engineer
Industrial Waste Division

JLP-JCT:im-6

Enc:

cc: Los Angeles County Health Officer
Los Angeles County Flood Control Districts
Regional Water Pollution Control Board No. 4

bc: JWH, JCT, TTO, REG. 20
PER. ISSD-2, I-5385

INDUSTRIAL WASTE DISPOSAL PERMIT
COUNTY OF LOS ANGELES NO. 3113
DEPARTMENT OF COUNTY ENGINEER
INDUSTRIAL WASTE DIVISION

FILE NO. I-5105-20

Los Angeles, Calif. April 15, 1963

Permission is hereby granted, under Ordinance No. 6130,

to AIR PRODUCTS & CHEMICALS INC.

23320 SOUTH ALAMEDA STREET

LONG BEACH, CALIFORNIA

(Mailing Address)

to discharge or deposit waste or other materials from or upon the premises located at

23320 SOUTH ALAMEDA STREET, LONG BEACH, CALIFORNIA

Materials covered by this permit shall consist of

Cooling tower bleedoff and laboratory wastes

from the gas processing operations.

The above materials shall be disposed of in accordance with the special conditions and limitations attached hereto and the requirements of any other governmental agency having jurisdiction. These special conditions and limitations may be revised as needed to accomplish the purpose of ordinances regulating the disposal of waste materials.

Violation of any of the conditions and limitations of this permit or of the provisions of ordinances regulating the disposal of waste materials may be cause for the suspension or revocation of this permit. This permit is not transferable from one location to another.

Additional information regarding this permit may be obtained by contacting the Industrial Waste Division of the County Engineer's Office, Room 226, 108 West Second Street, Los Angeles 12, California, MA 9-4747, Extension 81385.

JOHN A. LAMBIE
COUNTY ENGINEER

By _____
Deputy

1-17-63

SPECIAL CONDITIONS AND LIMITATIONS
INDUSTRIAL WASTE DISPOSAL PERMIT NO. 3113
AIR PRODUCTS & CHEMICALS INC. (I-5385-20)

1. This permit is issued to Air Products & Chemicals Inc., for the disposal of wastes from the gas processing facilities located at 23320 South Alameda Street, Long Beach.

2. The cooling tower bleedoff shall be discharged into the Dominguez Channel.

3. The laboratory wastes shall be discharged into the sanitary sewer available to this site.

4. Waste water discharged into the Dominguez Channel shall not cause formation of objectionable deposits of sludge. In general, settleable solids shall not exceed 1.0 cubic centimeters per liter.

5. Waste water discharged into the Dominguez Channel shall not contain oil in excess of 75 ppm.

6. Waste water discharged into the Dominguez Channel shall not cause damage to private or public structures or property.

7. The pH of waste water discharged to the Dominguez Channel shall be maintained at not less than 6.5.

8. Waste water discharged into the Dominguez Channel shall not contain toxic wastes in concentration sufficient to endanger public health. The dissolved sulfides in the discharge shall not exceed 1.0 ppm.

9. Waste water discharged into the Dominguez Channel shall not cause or create odors to the extent that they are a public nuisance.

10. All liquid industrial waste and water soluble solid wastes produced at the above location and not acceptable for disposal to the Dominguez Channel or to the sanitary sewer as provided above, shall be stored in impervious containers pending transportation to a legal point of disposal. The permittee shall certify by signing waste hauler's reports the source, quantity and point of disposal for all such wastes removed from the premises for disposal at any other location. The signed original of this report shall be forwarded to the County Engineer as indicated thereon. A copy of the waste hauler's report form is attached.

11. Representatives of interested governmental agencies concerned with the disposal of industrial wastes shall be permitted access at any reasonable time to take samples and to inspect operations.

12. The County Engineer shall be notified and his written approval secured before making any additions or modifications which may affect the quantity, quality, or method of disposal of waste materials.

13. The County Engineer may modify this permit by addition, revision, or elimination of conditions and limitations as may be necessary to accomplish the purposes of ordinances covering the disposal of waste materials.

14. Violation of any of the conditions of this permit shall be cause for suspension or revocation.

JCT:iw-8

4/15/63

State of California
Resources Agency
LOS ANGELES REGIONAL WATER QUALITY CONTROL BOARD I-5385

RESOLUTION NO. 68-4

PRESCRIBING REQUIREMENTS FOR DISPOSAL OF INDUSTRIAL WASTES
AIR PRODUCTS AND CHEMICALS INC.
23320 South Alameda Street, vicinity of Dominguez,
Los Angeles County, California
(File 63-63)

WHEREAS, AIR PRODUCTS AND CHEMICALS INC. is discharging industrial wastes to Dominguez Channel under terms of an industrial waste permit issued by the County of Los Angeles; and

WHEREAS, such permit therefor has been submitted to this Board in accordance with established administrative procedures; and

WHEREAS, this material is accepted as a report on waste discharge; and

WHEREAS, this Board has caused the following investigations to be made:

1. Field investigations were conducted by the staff of this Board.

2. Review was made of this Regional Board's Water Quality Control Policy for Harbors, Marinas, and Tidal Prisms in Los Angeles and Ventura Counties, adopted on April 10, 1967.

3. Review was made of this Regional Board's Water Quality Control Policy for Pacific Ocean Coastal Waters, Rincon Point to San Gabriel River, adopted on April 10, 1967.

4. Review was made of the following publications dealing with Dominguez Channel:

   a. "Report on Biochemical Study of Dominguez Channel", A Report to the Los Angeles County Flood Control District by Kennedy Engineers, January 1960.

   b. "Report on Waste Assimilation Study of Dominguez Channel", A Report for the State Water Pollution Control Board, State of California, by James M. Montgomery, Consulting Engineers, Inc., December 1962.

   c. "Report on Hydrogen Sulfide Study of Dominguez Channel", A Report to Dominguez Channel Users' Group, by Montgomery Research Inc., December, 1965.

   d. "Dominguez Channel Study--A Chemical, Physical, and Biochemical Evaluation of the Wastes in a Man-Made Tidal Channel Used for Flood Control and Industrial Waste Disposal, June-December 1965", by Sanitation Districts of Los Angeles County, May 1966.

5. Meetings were held with governmental agencies and those industries discharging wastes into the channel; and

1. This existing waste discharge is from a cryogenic gas processing plant located at 23320 South Alameda Street in the Dominguez area of unincorporated Los Angeles County. Wastes consist of about 40,000 gallons per day of cooling tower bleedoff. The point of discharge to Dominguez Channel is about 2,200 feet easterly of Alameda Street in Section 22, T4S, R13W, S.B.B.&M.

2. Dominguez Channel, in the reach between 116th Street (in Hawthorne) and its end at Henry Ford Avenue (in Los Angeles), is an open, lined channel which was improved by the Los Angeles County Flood Control District for the purpose of flood control.

3. This improvement, which was completed in November 1966, created a tidal prism which extends from the Los Angeles Inner Harbor to Vermont Avenue--a distance of some eight miles.

4. Dry weather flow in the channel above Vermont Avenue amounts to about 1.6 million gallons per day (mgd); this dry weather flow is constituted of street drainage and industrial wastes (principally cooling waters). This flow does not have a significant effect upon the waters of the tidal prism.

5. Below Vermont Avenue, Dominguez Channel traverses a heavily industrialized area; in this reach, there are numerous discharges of treated industrial wastes to the channel.

6. Dominguez Channel empties into Consolidated Slip at Henry Ford Avenue; Consolidated Slip is the extreme upper end of the East Basin of Los Angeles Inner Harbor.

7. Dry weather flow in Dominguez Channel at Henry Ford Avenue is on the order of 13 mgd (excluding tidal flow).

8. In its Resolution No. 67-4 entitled: "Adopting Water Quality Control Policy for Harbors, Marinas, and Tidal Prisms of Los Angeles and Ventura Counties," adopted April 10, 1967, this Board states in part that the quality of the waters of Dominguez Channel must be such that a nuisance will not be caused and that the quality of the waters of the Los Angeles-Long Beach Inner Harbor will not be made lower than as set forth in the policy statement.

9. The Board enunciated no beneficial uses of the waters of Dominguez Channel; however the following beneficial uses of the Inner Harbor waters were enunciated for protection: a) Harborage purposes; b) Shipping, navigation, and anchoring; c) Small boat mooring;

d) Industrial water for cooling and fish handling; and e) Aesthetic enjoyment.

Waters of the Outer Harbor of Los Angeles-Long Beach Harbor are included in the Nearshore Zone of Pacific Ocean coastal waters which are protected for: a) Aesthetic enjoyment; b) Ocean water contact sport (swimming, surfing, skindiving); c) Propagation and sustenance of marine life, including kelp and shorebirds; d) Shellfish harvesting; e) Scientific research and training; f) Sport fishing; g) Bait fishing; h) Commercial fishing; i) Pleasure boating; j) Shipping and navigation; and k) Industrial water supply.

10. Outflow from Dominguez Channel has an effect upon the quality of water in the Inner Harbor which in turn has an effect upon the quality of water in the Outer Harbor.

11. Waste discharges into Dominguez Channel must be strictly controlled so that this Board's Water Quality Control Policy for the Dominguez Channel and for the Inner and Outer Harbors is maintained in order that the quality of water in those harbors is suitable for the beneficial uses enunciated above and so that creation of a nuisance is prevented within Dominguez Channel itself.

12. The discharge of wastes to Dominguez Channel is an economic use of the Channel and, insofar as it does not conflict with the beneficial uses enunciated above for protection, or create a nuisance, is in harmony with the Legislature's declared policy to achieve highest water quality consistent with maximum benefit to the people of the state.

13. Based on the December 1962 Montgomery report (referenced above), Dominguez Channel can assimilate a maximum loading of about 10,000 pounds per day, measured as chemical oxygen demand (COD), under conditions of complete dissolved oxygen depletion, based on the location-pattern of waste discharges existing in 1962. Changes which have taken place since that time have not altered this pattern significantly. The loading calculated for a minimum dissolved oxygen of 0.5 mg/l in the Channel is about 8,700 pounds per day, measured as COD.

14. Section 13054.2 of the California Water Code provides that a regional board need not authorize the utilization of the full waste assimilation capacity of a receiving water.

15. In order to ensure that this Board's objective of 0.5 mg/l of dissolved oxygen in the waters of Dominguez Channel will be met at all times, it is necessary to reserve a portion of this capacity to allow for peak discharge flows and loadings, to allow for additional future discharges to Dominguez Channel, and to compensate for other intermittent factors which result in depression of dissolved oxygen, but which cannot be defined precisely. It is deemed necessary to reserve about 20 percent

of the waste assimilation capacity of Dominguez Channel for this purpose.

16. Section 2163 of the California Administrative Code provides that, in formulating requirements for discharges to surface waters, a regional board may delimit a waste dispersion area in the immediate vicinity of a discharge to an extent which, in the board's judgment, will not compromise the beneficial uses and water quality objectives adopted by the board for the general area.

17. Maintenance of this Board's Water Quality Control Policy through strict control of waste discharges present will result in enhancement of water quality in Dominguez Channel and in the harbor.

18. Increased dissolved oxygen content in the waters of Dominguez Channel will result in the development of an indigenous flora and fauna. Control of nutrient content in discharges to the Channel is necessary to prevent proliferation of growth of these biota to the extent that algal blooms, floating mats, or "red tide" conditions occur.

19. This industrial plant lies within the West Coast Hydrologic Subarea, ground waters from which are extensively utilized for municipal, domestic, industrial, and irrigation purposes. The surface of the ground is in hydraulic continuity with water-bearing zones, and wastes discharged to the ground or to unlined ditches, or which are held in storage facilities which permit percolation, could affect these ground waters deleteriously.

20. All existing discharges to the Tidal Prism are located so that the waste waters enter the waters of the Channel at or near the top of the water surface. This and the relatively low density and warmer temperature of the wastes result in a stratification effect in which the wastes tend to override the more saline and cooler tidal flow in the Channel in a "sheet" varying in thickness up to about 5 feet; and

WHEREAS, on February 7, 1968, a letter transmitting a tentative draft of this Resolution was forwarded to the discharger and copies thereof submitted to interested persons and governmental agencies with advice that objections thereto would be considered by this Board if submitted in writing on or before February 20, 1968; and

WHEREAS, objections and recommendations received have been reviewed and considered by the Board;

NOW, THEREFORE, BE IT RESOLVED, that in order to prevent a condition of pollution of the waters of the State, and to prevent creation of a nuisance, this Regional Water Quality Control Board, in accordance with authority granted by Division 7 of the Water Code of the State of California, prescribes the following requirements with respect to this waste discharge, subject to

the provisions of Section 13054 of the Water Code, which reads in part that requirements may be revised from time to time:

1. Waste discharge operations shall be conducted in such a manner that conditions in the receiving waters of Dominguez Channel Tidal Prism, insofar as they are affected by other than natural forces, shall at all times be consistent with the objectives for these waters contained in "Water Quality Control Policy for Harbors, Marinas and Tidal Prisms in Los Angeles and Ventura Counties," adopted by this Regional Water Quality Control Board on April 10, 1967. This includes, but is not limited to, the following specific requirements:

   a. Wastes discharged shall at no time have a pH of less than 6.5 and shall not cause the pH of waters in the Channel to vary from the range 7.0 to 9.5, except in the immediate vicinity of the waste discharge.*

   b. The discharge of wastes shall not cause the average temperature of waters in the Channel to exceed 20 Fahrenheit degrees over the average ambient temperature of the Inner Harbor except within the immediate vicinity of the waste discharge. Average ambient temperature in the Inner Harbor for the purposes of this requirement shall be defined by the measurements at Los Angeles Harbor Monitoring Station No. 44 in Slip No. 5 in front of City of Los Angeles, Department of Water and Power Harbor Steam Station intake.

   c. Visible solids or other materials of waste origin shall not be present in waters in the Channel as a result of this waste discharge except in the immediate vicinity of the waste discharge.

   d. The discharge of wastes shall not cause the color of the waters of the Channel to be altered except in the immediate vicinity of the discharge.

   e. The discharge of wastes shall not cause visible oil, grease, fats, waxes, oily slicks, or foam in the waters of the Channel or on rocks, channel banks, or structures except in the immediate vicinity of the waste discharge.

   f. The discharge of wastes shall not cause the presence of nutrients in concentrations which will result in proliferation of plankton or other undesirable biotic growth.

   g. Wastes discharged shall not contain phenols, mercaptans or other substances in concentrations which will result in objectionable odors emanating from the waters of the Channel.

*For the purpose of these requirements, "immediate vicinity of the waste discharge" is defined as within a distance of 50 feet, both to left and right, from the point of discharge as measured along the longitudinal axis of the Channel.

h. Wastes discharged shall not contain settleable matter in excess of 1.0 ml per liter, and they shall not contain any other substance in concentrations which would cause the formation of sludge deposits in the Channel.

2. Wastes discharged during any calendar day shall not contain more than 30 pounds of chemical oxygen demand (COD).

3. The discharge of wastes to Dominguez Channel shall not cause conditions in the waters of the Los Angeles-Long Beach Inner Harbors and Outer Harbors, insofar as they may be affected by other than natural forces, to be contrary to the objectives for those waters as contained in the Water Quality Control Policy referenced above and in "Water Quality Control Policy for Pacific Ocean Coastal Waters, Rincon Point to San Gabriel River," adopted by this Regional Water Quality Control Board on April 10, 1967.

4. Wastes discharged to the ground, including unlined ditches and ponds, shall be of such quality that:

a. Concentrations of the following mineral constituents do not exceed the maximum limits specified:

Total dissolved solids	1,500 mg/l
Total hardness (as $CaCO_3$)	500 mg/l
Chloride	300 mg/l
Chloride plus sulfate	750 mg/l
Nitrate	50 mg/l

b. The pH of these wastes shall not be less than 6.0.

c. The wastes discharged shall contain no material capable of imparting tastes, odors, color, foaming, or other objectionable characteristics to underground waters.

d. The wastes discharged shall not contain substances in concentrations toxic to human, animal or plant life.

5. These requirements are for the disposal of industrial wastes only. Sanitary sewage, garbage, refuse, and similar materials shall be excluded from this waste discharge.

6. Any wastes which do not meet all of the foregoing requirements shall be stored in impervious containers, and if transferred elsewhere the final discharge shall be at a legal point of disposal; and

BE IT FURTHER RESOLVED, that the discharger is hereby notified that these requirements apply not only to waste material discharged on a routine basis through plant treatment and disposal facilities, but apply as well to material which may be carried to Dominguez Channel from this facility by storm runoff, plant washdown or other circumstances; and

BE IT FURTHER RESOLVED, that in accordance with Section 13055 of the Water Code, technical reports on the quality and quantity of wastes discharged shall be submitted to this Board in accordance with the specifications contained in Exhibit "A" of this Resolution, which specifications the Executive Officer of this Board is authorized to revise from time to time as may be warranted, such revisions being subject to review by this Board at its discretion or at the request of the discharger or any interested person or governmental agency; and

BE IT FURTHER RESOLVED, that the discharger be informed that it is the policy of this Board that waste disposal operations shall be such that flood control structures and appurtenances shall not be damaged; and

BE IT FURTHER RESOLVED, that in prescribing these requirements it is the intent of this Board to:

1. Preserve the quality of the receiving waters of Los Angeles-Long Beach Inner Harbor and Outer Harbor and the West Coast Hydrologic Subarea, insofar as they may be affected by this waste discharge, and protect them for all beneficial uses hereinbefore listed.

2. Prevent the creation of a nuisance as a result of this existing waste discharge; and

BE IT FURTHER RESOLVED, that the attention of the discharger be hereby directed to Section 13054.1 of the Water Code of the State of California which reads in part "Any person discharging sewage or industrial waste within any region, other than into a community sewer system, shall file with the regional board of that region a report of any material change or proposed change in the character, location, or volume of the discharge;" and

BE IT FURTHER RESOLVED, that the discharger be hereby directed to inform this Board of any change in ownership of the waste disposal facility; and

BE IT FURTHER RESOLVED, that the foregoing requirements do not authorize the commission of any act resulting in injury to the property of another; and

BE IT FURTHER RESOLVED, that the discharger be further advised that these requirements do not exempt the operator of this waste disposal facility from compliance with any other law which may be applicable. The requirements are not a permit; they do not legalize this waste disposal facility, and they leave unaffected any further restraints on the disposal of wastes at this site which may be contained in other statutes; and

BE IT FURTHER RESOLVED, that the Executive Officer of this Board be authorized, and he is hereby directed, to certify and submit copies of this resolution to the discharger, and to such individuals and governmental agencies as may have need therefor, or as may request same.

I, Raymond M. Hertel, Executive Officer of the Los Angeles Regional Water Quality Control Board, State of California, do hereby certify that the foregoing is a full, true, and correct copy of a resolution adopted by the Los Angeles Regional Water Quality Control Board at its meeting held on February 21, 1968, the original of which is retained in the files of the Board.

Raymond M. Hertel

RAYMOND M. HERTEL, Executive Officer

EXHIBIT "A"

Specifications for Technical Reports to be Submitted by

Air Products and Chemicals Inc.
(File 63-63)

A. Location of Sampling Stations

1. At each point where plant process effluent (including cooling water) is discharged to Dominguez Channel, an effluent sampling station shall be established so that representative samples of effluent can be obtained prior to discharge to the Channel.

2. Sampling stations for receiving water samples shall be located on cross-sections of the Channel at points 50 feet--as measured along the longitudinal axis of the Channel--from the centerline of the effluent stream for each point of discharge; these cross-sections shall be situated both to the left and right of the discharge.

   On these cross-sections, the sampling stations shall be located at ten feet from the edge of the channel. At each of these points on each cross-section, a sampling station shall be established at two feet below the water surface.

B. Type, Frequency and Techniques of Sampling and Analyzing

1. On at least one day each month, beginning in April, 1968, each of the effluent sampling stations above shall be occupied and the following determinations made:

   Ether solubles
   Settleable solids
   pH
   Phenolic compounds (as phenol)
   Suspended solids
   Chemical oxygen demand

   These determinations shall be made on a composite sample, according to flow, of hourly samples obtained during the period that the receiving water samples below are being obtained.

   The temperature of each hourly sample shall also be determined.

   In addition, for wastes which are discharged to the ground, conveyed to Dominguez Channel in unlined ditches, or held in storage facilities which permit percolation, the following determinations shall be made on a grab sample of those portions which could thus affect underlying ground water:

   Total dissolved solids
   Total hardness (as $CaCO_3$)
   Chloride
   Sulfate
   Nitrate
   pH

2. Once each calendar quarter, beginning in the second quarter of 1968, each of the receiving water stations above shall be occupied and the following determinations made:

   pH
   Dissolved oxygen
   Temperature

   The receiving water stations shall be occupied four times within one tidal cycle each sampling day during periods of waste discharge--once at high water slack, once at low water slack, once on the flood tide midway between low water slack and high water slack, and once on the ebb tide midway between high water slack and low water slack.

3. In addition to the above determinations the following shall be noted at the time of the monthly effluent sampling and at the time of the quarterly receiving water sampling:

   Tide stage
   Direction and estimated force of current
   General weather conditions during monitoring
   For the area outside the immediate vicinity of the discharge point:

   Color of water in Channel and appearance and extent of any visual turbidity or color patches.
   Appearance and extent of any visible solids or other materials of waste origin.
   Appearance and extent of any visible oil and grease, fats or waxes, or foam in the water or at the water's edge.
   Description of odor of Channel water.
   Appearance and extent of any deposits of sludge or other detritus in the water or on Channel banks.
   Appearance and amount of any observed plant or animal growth on banks or substrate or in the water.

4. All samples shall be taken and all analyses shall be performed in accordance with the latest edition of "Standard Methods for the Examination of Water and Wastewater", published by the American Public Health Association, Inc., except that for specific analyses newer techniques may be used if in the judgment of the Executive Officer the results obtained are consistent with the objectives of these waste discharge requirements.

5. Receiving water monitoring shall not be accomplished during or immediately subsequent to periods of storms. Receiving water monitoring shall be done preferably at times other than those when storm runoff is in the Channel.

C. Filing of Reports

1. Three copies of written report of the results of the monitoring program shall be furnished to the Board within 30 days following the sampling.

2. The written report shall contain the following information:

   a. Dates and times of sampling;

   b. Approximate volume of wastes discharged on the date of sampling in gallons per day;

   c. Tabulated results of specified analyses and physical observations;

   d. Record of all wastes hauled during the reporting period, including types of wastes, volumes, dates of hauling, and ultimate point of disposal.

   Format for these reports and sampling station identification will be provided by the Board.

3. These records and reports are public documents and shall be made available for inspection during business hours at the office of the Los Angeles Regional Water Quality Control Board.

I-5385

File

INSPECTOR'S REPORT

TO: J. KNIGHT

FROM: H.S.S.

FILE: AIR PROD. & CHEMS. INC. (I5385-20)
23320 So. ALAMEDA ST. Do
I.N.P. 3113

DATE: 12-12-63

REPORT: I CONTACTED MR. DON REAMER PROCESS SUPT. - HE STATES THEY ARE ENGAGED IN MFG. LIQUID HYDROGEN - FEEDSTOCK, FORMERLY A WASTE GAS FROM RICHFIELD REFINERY, CONTAINS 80 TO 90% HYDROGEN WITH OTHER GASES. THIS IS FIRST PASSED THROUGH A LIGHT OIL, STRIPPING BENZINE & AROMATICS (NO WASTE). HYDROGEN GAS IS PRESSURIZED TO 1500 PSI LIQUIFIED & THEN HAULED TO GOVT MISSILE PROGAMS. BENZINES & AROMATICS PASS THROUGH A CAUSTIC STRIPPER, CREATING A SODIUM CARBONATE WASTE TO CHANNEL WHICH IS VERY LITTLE & THE COOLING TOWER BLEED OFF, APPROX 206 P.M. GOES TO CHANNEL. DOMESTIC WASTE GOES TO SEPTIC TANK & THEN TO SEEPAGE PITS. A PH TAKEN OF DISC. TO CHANNEL WAS PH 6.5 AT THIS TIME.

Note - Item 3 of I.W.P. Must be changed to fit the fact. It says 1.6. WASTE shall go to Sanitary Sewer which usually means L.A. County Sewer. This goes to Septic tank & leach system instead. As outlined in letter of intent from Company.

This can be changed when Channel improvement has been completed & All permits covering such discharge are changed. I have discussed this with Jack Edwards.

JHH

I-5385

INSPECTOR'S REPORT

TO: J. KNIGHT

FROM: E. MOORE

I-5315-2

FILE: AIR PRODUCTS & CHEMICAL INC. 3113
23320 S. ALAMEDA ST.

DATE: 1-29-65

REPORT:

INSPECTION MADE AT ABOVE COMPANY. PERSON CONTACTED WAS MR SNYDER, PLANT SUPERVISOR.

APPROX 25 GPM COOLING WATER AND BOILER BLOWDOWN GOES TO DOMINGUEZ CHANNEL. STORM WATER ALSO GOES TO THE CHANNEL VIA SEVERAL DRAINS LOCATED IN THE YARD.

LAB WASTES GO TO THE SEPTIC TANK ALONG WITH DOMESTIC WASTE. WASTE WATER FROM LAB CONSISTS OF WASHING OF LAB TOOLS.

ALL ITEMS OF PERMIT IN COMPLIANCE.

JJK

I-5385

INSPECTOR'S REPORT

TO: J. KNIGHT

FROM: E. MOORE

FILE: AIR PRODUCTS & CHEM.
23320 S. ALAMEDA ST.

DATE: 1-18-66

REPORT:

INSPECTION MADE AT ABOVE COMPANY. PERSON CONTACTED WAS MR. STANG, ACTING IN PLACE OF MR. REAMER.

A SAMPLE WAS TAKEN OF THE DISCHARGE TO DOMINGUEZ CHANNEL. MR. STANG SAID THAT APPROX. 99% OF THIS WATER COMES FROM THEIR COOLING TOWER. THE OTHER 1% IS YARD WASHDOWN. THIS SAMPLE WILL BE CHECKED FOR SETTLEABLE SOLIDS.

THERE WAS NO EVIDENCE OF CHEMICAL SPILLAGE AT TIME OF INSPECTION.

I TOLD MR STANG THAT SOMETIMES THE DISCHARGE IS A MILKEY WHITE. HE SAID THAT IT WAS NECESSARY TO ADD A COMPOUND TO THE TOWER TO CLEAN IT, AND THE ~~DISCHARGE~~ COMPOUND CHANGED THE COLOR TO WHITE.

JRK

cc: Mr. Hanson

I-5385

INSPECTOR'S REPORT

TO: J. KNIGHT

FROM: E. MOORE

FILE: AIR PRODUCTS & CHEM. 23320 S. ALAMEDA ST.

I-5385-2
P-3113

DATE: 1-21-66

REPORT: INSPECTION WAS MADE AT ABOVE COMPANY, PERSON CONTACTED WAS MR. ANDERSON & MR STANG.

THE FOLLOWING ITEMS OF THE INDUSTRIAL WASTE PERMIT WERE INSPECTED.

ITEM #2, 4, 5, 7 ~ COOLING TOWER BLEEDOFF IS DISCHARGED TO DOMINGUEZ CHANNEL. THIS DISCHARGE CONSTITUTES APPROX. 99% OF THE WASTE CONGING FROM THE PLANT. THE OTHER 1% IS FROM YARD WASHDOWN. A SAMPLE OF THIS WASTE WAS TAKEN AND A STANDARD ANALYSIS WILL BE MADE. AT TIMES THIS WATER HAS A MILKY COLOR TO IT. THIS WAS EXPLAINED TO ME THAT THIS IS DUE TO A COMPOUND THAT IS ADDED TO THE COOLING TOWER WATER TO CLEAN IT. THE PH OF THIS WATER WAS 7

ITEM #3 ~ LABORATORY WASTE GOES TO A CEPTIC TANK. THIS WASTE IS FROM TOOL AND LABORATORY UTINSIL WASHING. THIS WASHING IN DONE IN A KITCHEN TYPE SINK.

ITEM #8 ~ SULFIDE READING WAS 0.0

ITEM #9 ~ NO OBJECTIONAL ODERS COULD BE DETECTED.

ITEM #10 ~ NO INDUSTRIAL WASTE IS HAULED FRIM THE PLANT.

I-5385

INSPECTOR'S REPORT

TO: J.R. Knight

FROM: LeRoy Davis

FILE: Air Prod. & Chems. Inc
23320 S. Alameda St.

I-5385-2
IWP-3113

DATE: 7-20-66

REPORT: Made routine inspection at above address.

Person contacted was S. Roberts—plant engr. (835-0106)

No I.W. hauled since last insp.

No new spillage of I.W. on ground. I.W. was at one time dumped on ground in small quantities, most of it near Dominguez channel. All I.W. is now disposed of in a legal manner

No violation of I.W.P. observed.

QPK

INSPECTOR'S REPORT

I-5385
IWP-313

TO: J.R. Knight

FROM: LeRoy Davis

FILE: Air Prod. & Chems. Inc.
23320 S. Alameda St

DATE: 10-7-66

REPORT: On 10-6-66 at 1:30 P.M. checked sulfides at above industries outfall into Dominguez Channel

Found undissolved sulfides of 3 P.P.M. and dissolved sulfides of 0.1 P.P.M. There was a steady streak of iridescence on top of effluent to channel.

On 10-7-66 contacted Dudley Anderson - in charge of lab. (Mr. Stange was absent)

Mr. Anderson stated that the effluent to Dominguez Channel had not been monitored for a very long time, but would be checked at least once a day, in the future. JRK

I stated that any rise in sulfides to channel would necessitate the aeriating of effluent, or other treatment to remove sulfides.

Mr. Anderson further stated that iridescence of effluent would be eliminated in the future.

I-5385

INSPECTOR'S REPORT

I-5385-2
IWP-3113

TO: U. R. Knight

FROM: LeRoy Davis

FILE: Air Prod. & Chemicals Inc.
23320 S. Alameda St

DATE: 10-13-66

REPORT: Made routine inspection and sulfide check of effluent going to Dominguez Channel from Air Prod. & Chem.

Found undissolved sulfides of 3.2 and dissolved sulfides of 1.2

Contacted D. W. Reimer, plant manager about sulfides.

Mr. Reimer stated that he had ordered a "Pomeroy" bit in order to trace origin of sulfides, but in the meantime he would dump cooling tower water when it gets up to a dissolved solids content of 240 p.p.m. instead of 480 p.p.m. as has been the practice in the past. This will accomplish the effect of lowering sulfide content will check sulfides on 10-14-66.

QRK

10-14-66 Made sulfide check in Dominguez Channel, of Air Prod. effluent. No trace of sulfides

INSPECTOR'S REPORT

TO: J. R. Knight

FROM: LeRoy Davis

I-5385-2
IWP-3113

FILE: Air Prod. & Chemicals Inc.
23320 S. Alameda St.

DATE: 11-10-66

REPORT: Make routine inspection of effluent going to Dominguez Channel from Air Prod. & Chemicals.

Found undissolved sulfides of 2.1 and dissolved sulfides of 1 p.p.m.

Contacted D.W. Reimen, acting plant manager.

Mr Reimen stated that they had just received their Pomeroy kit and tracing origin of sulfides in the plant had just begun.

A neutralizing agent would be used, and sulfides in the water should be in low levels, or non-existant by next channel inspection on 11-19-66.

Corrected 11-17-66

JRK

I-5385

Phone: 775-3131

INSPECTOR'S REPORT

TO: E. L. Thompson

FROM: LeRoy Davis

FILE: Air Prod & Chemicals Inc
23320 S. Alameda

DATE: 6-15-67

I-5385-2
IWP-3113

REPORT: While making routine inspection of effluent going to Dominguez channel, found heavy iridesence from Air Prod. & Chemicals.

Contacted Mr. Thompson Sr. Plant Manager and R. Morgan - regional service engineer. showed Mr. Thompson and Mr. Morgan heavy iridesence to channel. E.L.T.

Mr. Thompson promised immediate connection. Will check Fri. 6-16-67 to see if condition has been corrected.

6-16-67 No iridesence to channel from above company's effluent. condition connected.

R.K.

Air Products and Chemicals
INC.
ALLENTOWN, PENNSYLVANIA

MAIL ADDRESS
23320 SOUTH ALAMEDA STREET
LONG BEACH, CALIFORNIA 90810

TELEPHONE
830-5200
TWX
910 345-6387

REGIONAL WATER QUALITY CONTROL BOARD NO. 4
LOS ANGELES
MAR 7 1968

I-5385-2

March 6, 1968

Regional Water Quality Control Board
205 South Broadway, Suite 408
Los Angeles, California 90012

R. M. HERTEL
MAR 7 1968

ATTN: Mr. Raymond Hertel

Gentlemen :

This letter is submitted in response to your notice of February 7, 1968 concerning tentative requirements for the discharge of industrial wastes to Dominguez Channel.

The Air Products & Chemicals liquid hydrogen plant, 23320 So. Alameda, was shut down December, 1967 and no longer will discharge wastes to the Dominguez Channel except for normal wash down of slab areas and run off during rains.

In the future, if this facility should resume normal operations, we will notify immediately.

Very truly yours,

AIR PRODUCTS & CHEMICALS, INC.

J W Fletcher

James W. Fletcher
Assistant Plant Manager

JWF:lsk

RICHARD A. HARRIS
MAR 7 1968

CDS
KH, TTO

I-5385

STATE OF CALIFORNIA—RESOURCES AGENCY

RONALD REAGAN, Governor

LOS ANGELES REGIONAL WATER QUALITY CONTROL BOARD

205 SOUTH BROADWAY, SUITE 408
LOS ANGELES, CALIFORNIA 90012

March 13, 1968

I-5385-22

Air Products and Chemicals, Inc.
23320 South Alameda Street
Long Beach, California 90810

ATTENTION: Mr. James W. Fletcher
Assistant Plant Manager

RE: Requirements for Disposal of Industrial Wastes (File 63-63)

Gentlemen:

Thank you for your letter dated March 6, 1968, which notified us that your plant at the above address has been shut down and that there is no longer any discharge of industrial wastes to Dominguez Channel from this facility.

We are closing our file on this case and it will not be necessary for you to conduct the monitoring program called for in Resolution No. 68-4, adopted by this Regional Board on February 21, 1968.

If at some time in the future you resume operations at this facility, it will be necessary for you to comply with the requirements of Resolution No. 68-4. Please notify this Board if you do reopen the plant and before you again start discharging industrial wastes to Dominguez Channel. Your continued cooperation is greatly appreciated.

Very truly yours,

Raymond M. Hertel

RAYMOND M. HERTEL
Executive Officer

RAH:kt

cc: Los Angeles County Engineer, Industrial Waste Division
Department of Water Resources
Bureau of Sanitary Engineering
Department of Fish and Game
Los Angeles County Flood Control District
Los Angeles County Health Department

RECEIVED
Department of County Engineer
INDUSTRIAL WASTE DIVISION
MAR 14 1968
Ref. to .....
Per .....

sent ELT Copies
2-27-68

CDB

Lab. Copy ..... WHITE
I File Copy ..... CANARY
Field Copy ..... PINK

COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
INDUSTRIAL WASTE DIVISION

CHEMICAL ANALYSIS

Analysis requested by Milo Dobes *Job No.* _____

Sample of Effluent to Dominguez Channel from Air Prod. & Chemicals Inc. 23220 S. Alameda *file:* I-5385-2

Source of suspected contaminants, i.e., character of industrial process, etc.

Sample marked 2076 *collected by* L. Davis

Quantity 1 quart *Date* 2-14-72 *Time of day* 9:17 AM

	PARTS PER MILLION		PARTS PER MILLION
Calcium		Hydroxide	
Magnesium		Carbonate	
Potassium		Bicarbonate	
Sodium		Chloride	
Iron		Sulfate	
Manganese		Nitrate	
Aluminum		Sulfide	0 ±
Boron		Fluoride	
Chromium, hexavalent X	3.6	Phosphate	
Silica		Cyanide	
Total Cations		Total Anions	
		Total Ions (calculated dissolved solids)	
pH	8	Dissolved Oxygen	
Hardness (as $CaCO_3$)		Biochemical Oxygen Demand	
Alkalinity (as $CaCO_3$)		Dissolved Solids	
Carbon Dioxide (Calc.)		Suspended Solids	
Phenols		Total Solids	
Oil & Grease		Turbidity	
Non-Carbonate Hardness		Sodium Ratio	
Conductance, micrombos		A B S	
		Total Iron	
		Total Manganese	

Remarks or special analyses C.O.D. only = 69 ppm

Received at laboratory 2-14-72 *Laboratory No.* 24430

Analysis by CF *Date* 2-14-72

76C211F--CE 644--REV.--12/64 P5

Lab. Copy ..... WHITE
I File Copy ..... CANARY
Field Copy ..... PINK

COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
INDUSTRIAL WASTE DIVISION

CHEMICAL ANALYSIS

Analysis requested by Milo Dobes *Job No.* _____

Sample of Effluent into Dominguez channel from Air Pod. & Chemicals Inc. 23320 S. Alameda *file:* 5385-2

Source of suspected contaminants, i.e., character of industrial process, etc.

Sample marked AP-134 *collected by* J. Davis

Quantity 1 quart *Date* 4-12-71 *Time of day* 9:35

	PARTS PER MILLION		PARTS PER MILLION
Calcium		Hydroxide	
Magnesium		Carbonate	
Potassium		Bicarbonate	
Sodium		Chloride	
Iron		Sulfate	
Manganese		Nitrate	
Aluminum		Sulfide	0
Boron		Fluoride	
Chromium, hexavalent		Phosphate	
Silica		Cyanide	
Total Cations		Total Anions	
		Total Ions (calculated dissolved solids)	

pH		Dissolved Oxygen	
Hardness (as $CaCO_3$)		Biochemical Oxygen Demand	
Alkalinity (as $CaCO_3$)		Dissolved Solids	
Carbon Dioxide (Calc.)		Suspended Solids	
Phenols		Total Solids	
Oil & Grease		Turbidity	
Non-Carbonate Hardness		Sodium Ratio	
Conductance, micrombos		A B S	
		Total Iron	
		Total Manganese	

Remarks or special analyses C.O.D. only

COD = 8 ppm

Received at laboratory 4 12 71 *Laboratory No.* 23301

Analysis by P *Date* 4-12-71

76C211F--CE 644--REV.--12/64 Ps

Lab. Copy ..... WHITE
I File Copy ..... CANARY
Field Copy ..... PINK

COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
INDUSTRIAL WASTE DIVISION

CHEMICAL ANALYSIS

Analysis requested by Milo Dobes *Job No.* _____

Sample of Effluent into Dominguez channel from Air Pod. & Chemicals Inc. 23320 S. Alameda *file:* 5385-2

Source of suspected contaminants, i.e., character of industrial process, etc.

Sample marked AP-134 *collected by* J. Davis

Quantity 1 quart *Date* 4-12-71 *Time of day* 9:35

	PARTS PER MILLION		PARTS PER MILLION
Calcium		Hydroxide	
Magnesium		Carbonate	
Potassium		Bicarbonate	
Sodium		Chloride	
Iron		Sulfate	
Manganese		Nitrate	
Aluminum		Sulfide	0
Boron		Fluoride	
Chromium, hexavalent		Phosphate	
Silica		Cyanide	
Total Cations		Total Anions	
		Total Ions (calculated dissolved solids)	
pH		Dissolved Oxygen	
Hardness (as $CaCO_3$)		Biochemical Oxygen Demand	
Alkalinity (as $CaCO_3$)		Dissolved Solids	
Carbon Dioxide (Calc.)		Suspended Solids	
Phenols		Total Solids	
Oil & Grease		Turbidity	
Non-Carbonate Hardness		Sodium Ratio	
Conductance, micrombos		A B S	
		Total Iron	
		Total Manganese	

Remarks or special analyses C.O.D. only / COD = 8 ppm

Received at laboratory 4 12 71 *Laboratory No.* 23801

Analysis by P *Date* 4-12-71

76C211F--CE 644--REV.--12/64 (P)s

Lab. Copy ..... WHITE
I File Copy ..... CANARY
Field Copy ..... PINK

COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
INDUSTRIAL WASTE DIVISION

...ANALYSIS

Analysis requested by Milo Dobes *Job No.* _____

Sample of Effluent to Dominguez Channel from Air Products & Chemicals Inc 23320 S. Alameda *file:* I-5385-2

Source of suspected contaminants, i.e., character of industrial process, etc.

Sample marked ~~AP-179~~ AP-179 *collected by* L. Davis

Quantity ~~850~~ 1 gl grab *Date* 5-13-71 *Time of day* 8:50 AM

	PARTS PER MILLION		PARTS PER MILLION
Calcium		Hydroxide	
Magnesium		Carbonate	
Potassium		Bicarbonate	
Sodium		Chloride	
Iron		Sulfate	
Manganese		Nitrate	
Aluminum		Sulfide	0.0
Boron		Fluoride	
Chromium, hexavalent		Phosphate	
Silica		Cyanide	
Total Cations		Total Anions	
		Total Ions (calculated dissolved solids)	

pH		Dissolved Oxygen	
Hardness (as $CaCO_3$)		Biochemical Oxygen Demand	
Alkalinity (as $CaCO_3$)		Dissolved Solids	
Carbon Dioxide (Calc.)		Suspended Solids	
Phenols		Total Solids	
Oil & Grease		Turbidity	
Non-Carbonate Hardness		Sodium Ratio	
Conductance, micrombos		A B S	
		Total Iron	
		Total Manganese	

Remarks or special analyses C.O.D only COD = 27 ppm

Received at laboratory 5-13-71 *Laboratory No.* 23876

Analysis by CP *Date* 5-13-71

76C211F--CE 644--REV.--12/64 Ps

Lab. Copy ..... WHITE
I File Copy ..... CANARY
Field Copy ..... PINK

COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
INDUSTRIAL WASTE DIVISION

CHEMICAL ANALYSIS

Analysis requested by Milo Dobes *Job No.* _____

Sample of Effluent to Dominguez Channel from Air Prod. & Chem. Inc. 23220 S. Alameda *file:* I-5385-2

Source of suspected contaminants, i.e., character of industrial process, etc.

Sample marked AP-201 *collected by* L Davis

Quantity 1 quart *Date* 6-14-71 *Time of day* 9:23 AM

	PARTS PER MILLION		PARTS PER MILLION
Calcium		Hydroxide	
Magnesium		Carbonate	
Potassium		Bicarbonate	
Sodium		Chloride	
Iron		Sulfate	
Manganese		Nitrate	
Aluminum		Sulfide	0
Boron		Fluoride	
Chromium, hexavalent		Phosphate	
Silica		Cyanide	
Total Cations		Total Anions	
		Total Ions (calculated dissolved solids)	
pH		Dissolved Oxygen	
Hardness (as $CaCO_3$)		Biochemical Oxygen Demand	
Alkalinity (as $CaCO_3$)		Dissolved Solids	
Carbon Dioxide (Calc.)		Suspended Solids	
Phenols		Total Solids	
Oil & Grease		Turbidity	
Non-Carbonate Hardness		Sodium Ratio	
Conductance, micrombos		A B S	
		Total Iron	
		Total Manganese	

Remarks or special analyses C.O.D. on 1/1 = 38 ppm

Received at laboratory 6-14-71 *Laboratory No.* 23943

Analysis by CP *Date* 6-14-71

76C211F--CE 644--REV.--12/64 (P)5

COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
PROJECT PLANNING AND POLLUTION CONTROL DIVISION

NOTICE

TO John Sammartino DATE 7/15/71

FIRM NAME Air Products & Chemicals, Inc I.W.PERMIT NO. 3113
I-5385-22

LOCATION 23320 S. Alameda, Carson.

REMARKS: Your use of once pass cooling water (those running to #11) is in violation of Ord 6130 & your permit. This water which is now being discharged to Dominguez Channel must be recirculated and discharged legally & in conformity with your permit. Plans for such discharges must be submitted by 8/15/71.

Please telephone this office for return inspection.

Installation of proper equipment to be made within 30 days after this department's acceptance of the plans.

Continuing discharges after that date which do not conform to legal & permit requirements are subject to penalty.

cf 8

John A. Lambie
COUNTY ENGINEER

Jack K. Bryant
Division Engineer

By Harry Ruben, Insp. Wastewater Insp
326 3630
[illegible] Rchd. Lomita [illegible]

7-19-71

For some unknown reason Harry got confused on this. He is going to contact Sammartino & cancell this notice & the request for plans.

MJD.

Lab. Copy ..... WHITE
I File Copy ..... CANARY
Field Copy ..... PINK

COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
INDUSTRIAL WASTE DIVISION

CHEMICAL ANALYSIS

Analysis requested by Milo Dabes *Job No.* _____

Sample of Effluent to Dominguez Channel from Air Prod. & Chem. Inc. 23220 S. Alameda *file:* I-5385-2

Source of suspected contaminants, i.e., character of industrial process, etc.

Sample marked AP-234 *collected by* L Dank

Quantity 1 quart *Date* 9-20-71 *Time of day* 9:27 AM.

	PARTS PER MILLION		PARTS PER MILLION
Calcium		Hydroxide	
Magnesium		Carbonate	
Potassium		Bicarbonate	
Sodium		Chloride	
Iron		Sulfate	
Manganese		Nitrate	
Aluminum		Sulfide	0.2
Boron		Fluoride	
Chromium, hexavalent		Phosphate	
Silica		Cyanide	
Total Cations		Total Anions	
		Total Ions (calculated dissolved solids)	
pH	7.5	Dissolved Oxygen	
Hardness (as $CaCO_3$)		Biochemical Oxygen Demand	
Alkalinity (as $CaCO_3$)		Dissolved Solids	
Carbon Dioxide (Calc.)		Suspended Solids	
Phenols		Total Solids	
Oil & Grease		Turbidity	
Non-Carbonate Hardness		Sodium Ratio	
Conductance, micrombos		A B S	
		Total Iron	
		Total Manganese	

Remarks or special analyses C.O.D. on 1/1 = 12 ppm

Received at laboratory 9 20 71 *Laboratory No.* 24188

Analysis by CP *Date* 9-20-71

76C211F--CE 644--REV.--12/64 (P)5

Lab. Copy ..... WHITE
I File Copy ..... CANARY
Field Copy ..... PINK

COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
INDUSTRIAL WASTE DIVISION

CHEMICAL ANALYSIS

Analysis requested by Milo Dobes *Job No.* _____

Sample of Effluent to Dominguez Chemic/ from Air Prod & Chem. Inc. 23220 S. Alameda *file:* I-5385-2

Source of suspected contaminants, i.e., character of industrial process, etc.

Sample marked AP-260 *collected by* K. Davis

Quantity 1 quart *Date* 10-20-71 *Time of day* 8:32 AM

	PARTS PER MILLION		PARTS PER MILLION
Calcium		Hydroxide	
Magnesium		Carbonate	
Potassium		Bicarbonate	
Sodium		Chloride	
Iron		Sulfate	
Manganese		Nitrate	
Aluminum		Sulfide	0.0
Boron		Fluoride	
Chromium, hexavalent		Phosphate	
Silica		Cyanide	
Total Cations		Total Anions	
		Total Ions (calculated dissolved solids)	

pH		Dissolved Oxygen	
Hardness (as $CaCO_3$)		Biochemical Oxygen Demand	
Alkalinity (as $CaCO_3$)		Dissolved Solids	
Carbon Dioxide (Calc.)		Suspended Solids	
Phenols		Total Solids	
Oil & Grease		Turbidity	
Non-Carbonate Hardness		Sodium Ratio	
Conductance, micrombos		A B S	
		Total Iron	
		Total Manganese	

Remarks or special analyses C.O.D. only = 22. ppm

Received at laboratory 10-20-71 *Laboratory No.* 24199

Analysis by CP *Date* 10-20-71

76C211F--CE 644--REV.--12/64 Ⓟ

Lab. Copy ..... WHITE
I File Copy ..... CANARY
Field Copy ..... PINK

COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
INDUSTRIAL WASTE DIVISION

CHEMICAL ANALYSIS

Analysis requested by Milo Dobos *Job No.* _____

Sample of Effluent to Dominguez Channel from Air Prod & Chem. 23220 S. Alameda *file:* I-5385-2

Source of suspected contaminants, i.e., character of industrial process, etc.

Sample marked AP-310 *collected by* L. Davis

Quantity Ingrant *Date* 1-19-72 *Time of day* 8:17

	PARTS PER MILLION		PARTS PER MILLION
Calcium		Hydroxide	
Magnesium		Carbonate	
Potassium		Bicarbonate	
Sodium		Chloride	
Iron		Sulfate	
Manganese		Nitrate	
Aluminum		Sulfide	0.0
Boron		Fluoride	
Chromium, hexavalent	3.0	Phosphate	
Silica		Cyanide	
Total Cations		Total Anions	
		Total Ions (calculated dissolved solids)	
pH	11	Dissolved Oxygen	
Hardness (as $CaCO_3$)		Biochemical Oxygen Demand	
Alkalinity (as $CaCO_3$)		Dissolved Solids	
Carbon Dioxide (Calc.)		Suspended Solids	
Phenols		Total Solids	
Oil & Grease		Turbidity	
Non-Carbonate Hardness		Sodium Ratio	
Conductance, micrombos		A B S	
		Total Iron	
		Total Manganese	

Remarks or special analyses C.O.D. only = 48 ppm

Received at laboratory 1-19-72 *Laboratory No.* 24363

Analysis by CP *Date* 1-19-72

76C211F--CE 644--REV.--12/64 (P)5

STATE OF CALIFORNIA—RESOURCES AGENCY

RONALD REAGAN, Governor

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD—
LOS ANGELES REGION

107 SOUTH BROADWAY, SUITE 9026
LOS ANGELES, CALIFORNIA 90012

RECEIVED
Project Planning And
Pollution Control Div.
Department of County Engineer
JAN 20 1972

Ref. to_____

Per_____

I-5385-nv
P-3113

January 19, 1972

Air Products and Chemicals, Inc.
23320 South Alameda Street
Long Beach, California 90810

Re: Proposed Operation of Facility at 23320 South Alameda Street, Long Beach
(File 63-63)

Gentlemen:

Thank you for your letter of December 7, 1971, notifying us of your intent to resume operations at the subject facility and to conform to this Board's Resolution No. 68-4, prescribing waste discharge requirements.

Those requirements, adopted in 1968, were for the disposal of about 40,000 gallons per day of cooling tower bleedoff. Please inform us whether this fairly describes the proposed operation. If there will be any material change in the character, location, or volume of the discharge, it will be necessary for you to file a new report of waste discharge with the Board.

The discharge of sewage to the channel is explicitly prohibited by Requirement 5 on page 7 of Resolution No. 68-4. Please inform us of the method proposed for disposal of sewage and of industrial wastes other than cooling tower bleedoff, if any, from your facility. Also indicate the approximate date of plant startup.

Your reply is requested by February 2, 1972. Meanwhile if there are any questions, feel free to contact us.

Very truly yours,

RAYMOND M. HERTEL
Executive Officer

cc: Los Angeles County Engineer, Project Planning & Pollution Control Division

Lab. Copy ..... WHITE
I File Copy ..... CANARY
Field Copy ..... PINK

COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
INDUSTRIAL WASTE DIVISION

CHEMICAL ANALYSIS

Analysis requested by M/O Dobbs Job No. _____

Sample of Effluent to Dominguez Channel from Air Prod & Chem. Inc. 23320 S. Alameda *file:* I-5385

Source of suspected contaminants, i.e., character of industrial process, etc.

Sample marked 2087 *collected by* L. Davis

Quantity 1 qt 8 oz *Date* 3-15-72 *Time of day* 9:15 AM

	PARTS PER MILLION		PARTS PER MILLION
Calcium		Hydroxide	
Magnesium		Carbonate	
Potassium		Bicarbonate	
Sodium		Chloride	
Iron		Sulfate	
Manganese		Nitrate	
Aluminum		Sulfide	0.2
Boron		Fluoride	
Chromium, hexavalent		Phosphate	
Silica		Cyanide	
Total Cations		Total Anions	
		Total Ions (calculated dissolved solids)	
pH	12	Dissolved Oxygen	
Hardness (as $CaCO_3$)		Biochemical Oxygen Demand	
Alkalinity (as $CaCO_3$)		Dissolved Solids	
Carbon Dioxide (Calc.)		Suspended Solids	
Phenols		Total Solids	
Oil & Grease		Turbidity	
Non-Carbonate Hardness		Sodium Ratio	
Conductance, micrombos		A B S	
		Total Iron	
		Total Manganese	

Remarks or special analyses C.O.D. only = 58 ppm

Received at laboratory 3-15-72 *Laboratory No.* 24501

Analysis by CF *Date* 3-15-72

76C211F--CE 644--REV.--12/64 P5

GM——— Is this under our jurisdiction? — yes.

I5385-22

STATE OF CALIFORNIA—RESOURCES AGENCY

RONALD REAGAN, Governor

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD—
LOS ANGELES REGION
107 SOUTH BROADWAY, SUITE 9026
LOS ANGELES, CALIFORNIA 90012

May 24, 1972

Air Products & Chemicals, Inc.
23320 South Alameda Street
Long Beach, California 90810

ATTENTION: Mr. Norwin Schoenerr, Plant Manager

RE: Disposal of Industrial Wastes (CI 5422)

Gentlemen:

Reference is made to Resolution No. 68-4, adopted by this Board on February 21, 1968, which prescribes requirements for the disposal of wastes by your company to Dominguez Channel.

Requirement 1h provides in part that wastes discharged shall not contain any substance in concentrations which would cause the formation of sludge deposits in the Channel.

An inspection of your facilities by this Board's staff with your Mr. Schoenherr on May 11, 1972, disclosed sludge deposits in the Channel at your waste discharge point.

It is requested that you take immediate action to clean up these deposits, to bring the disposal of wastes into compliance with this Board's requirement, to prevent similar occurrences in the future, and to assure that all requirements are complied with at all times.

It is further requested that you provide a written report to this Board by June 8, 1972, of the corrective and preventive measures taken, together with a time schedule of their implementation, and the date the cleanup was completed.

If you have any questions about this matter please contact Mr. Miller Chambers at (213) 620-4460. Your cooperation in water pollution control is appreciated.

Very truly yours,

Raymond M. Hertel

RAYMOND M. HERTEL
Executive Officer

cc: ✓ Los Angeles County Engineer

A.2

Copies to RWQCB & Flood Control

COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
INDUSTRIAL WASTE DIVISION

INSPECTOR'S REPORT

TO: Ed Thompson DATE: 6/7/72

FROM: Don H Tallmon FILE: Air Products & Chem. I-5385-22

REPORT:

A follow Up Inspection Was made Today at the above Location. This Was in regard To a Connection from one of the State Boards Field Inspection. This information Was given To me by Mr Tom Otteson.

At todays Inspection I Contacted Mr. Norwin Schoenherr, Plant Manager. He Said that the State Board Inspectors requested that the Company Clean & remove a Coloration on the Rocks of the Bank of Dominguez Channel. This is a Discharge point for their Cooling Tower bleed off, about 10 to 20 gallon per min. It Covers about a 10 Sq ft. area. This Material of the Discoloration is Calcium Carbonate from the Cooling Water. This has occurred over the past 10 yrs once is the first Cleaning.

Mr. Schoenherr has made application

19,101

G.M.
ATTEN
TOM.
THIS IS THE
ON OTHER
COPY

Copy to RWQCB

I-5385

COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
INDUSTRIAL WASTE DIVISION

INSPECTOR'S REPORT

TO: Ed Thompson DATE: 7/7/72

FROM: Don H Tallmon FILE: Air Products
23320 S. Alameda.

REPORT:

A follow Up inspection of above location today revealed that no work has started to remove the calcium carbonate from Dominguez Channel. The work permit from L.A. County Flood Control was just received on 7/3/72. Work should start next week and be completed by 7/14/72 - So Stated by Mr. Norwin S. Schoenherr, plant Manager.
Follow Up Inspection will be made then.

E & LT
2320

DUPLICATE

REPORT

TRUESDAIL LABORATORIES, INC.

CHEMISTS - MICROBIOLOGISTS - ENGINEERS
RESEARCH — DEVELOPMENT — TESTING

4101 N. FIGUEROA STREET
LOS ANGELES 90065
AREA CODE 213 • 225-1564
CABLE: TRUELABS

CLIENT Air Products and Chemicals, Inc.
23320 South Alameda
Long Beach, California 90810

DATE August 11, 1972

RECEIVED August 7, 1972

SAMPLE

LABORATORY NO. 113163

INVESTIGATION Monitoring of Receiving Water in Dominguez Channel in accordance with requirements of the State of California Los Angeles Regional Water Quality Control Board Number 4, according to Exhibit "A", Resolution No. 68-4, Third Quarter 1972

RESULTS

On August 8, 1972 the receiving water of the one outlet to the Dominguez Channel was monitored at two locations four times during a complete tidal cycle. The sampling locations were two feet below the surface at points fifty feet south and fifty feet north of the discharge, 15 feet out from the West bank. The monitoring was conducted at high tide, mid ebb tide, low tide and mid flood tide to determine pH, temperature and dissolved oxygen.

In addition to the measurements, visual observations were recorded as to conditions outside the immediate vicinity of the discharge point.

The monitoring data and other information are tabulated on the following page.

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from these Laboratories.

Laboratory No. 113163

TIDE STAGE

Measurements	HIGH N	HIGH S	MID EBB N	MID EBB S	LOW N	LOW S	MID FLOOD N	MID FLOOD S
pH	7.85	7.85	7.80	7.80	7.80	7.80	7.85	7.85
Temp. °F	61	61	63	63	62	62	59	59
D.O., ppm	5.30	5.30	5.60	5.60	4.90	4.90	5.70	5.50
Hour (2400)	1011	1004	1252	1245	1518	1512	0702	0655
Flow:								
Feet/Min.	-----		5 - 10		------		5	
Direction	No Flow		South		No Flow		North	
Observations								
Color	Dark Green		Dark Green		Dark Green		Dark Green	
Turbidity	Slight		Very Slight		Very Slight		Slight	
Color Patches	None		None		None		None	
Visible Solids	None		None		None		None	
Oil & Grease, etc.	Slight foam around outlet none at 50' check points.		Very slight foam around outlet none at 50' check points.		Very slight foam around the outlet, none at the 50' check points		Slight foam around the outlet none at 50' check points.	
Sludge Deposits	None		None		None		None	
Plant/Animal Growth	Algae and barnacles on the edges.		Algae and barnacles on the edges.		Algae and barnacles on the edges.		Algae and barnacles on the edtes.	
Odor Description	None		None		None		None	
Weather Conditions	Sunny, light wind		Sunny, light to med. wind.		Sunny, light wind.		Sunny, light wind	

Respectfully submitted,

TRUESDAIL LABORATORIES, INC.

A. W. Zahner, M.S.
Chief Chemist

DUPLICATE
REPORT

TRUESDAIL LABORATORIES, INC.

CHEMISTS - MICROBIOLOGISTS - ENGINEERS
RESEARCH — DEVELOPMENT — TESTING

4101 N. FIGUEROA STREET
LOS ANGELES 90065
AREA CODE 213 • 225-1564
CABLE: TRUELABS

CLIENT Air Products & Chemicals
23320 S. Alameda Street
Long Beach, California 90810
Attention: Norwin Schoenerr

SAMPLE Effluent Waste Water

DATE August 14, 1972

RECEIVED August 11, 1972

LABORATORY NO. 113302

INVESTIGATION

Analysis as requested by the State of California, Los Angeles Region, Water Quality Control Board Number Four, Exhibit A, Resolution No. 68-4, for the month of August 1972.

RESULTS

Effluent Sample

pH @ 27°C	8.78
Suspended Solids, ppm	2.0
Settleable Solids, ml/liter	<0.05
Phenols, ppm	0.1
C.O.D., ppm	124
Oil and Grease, ppm	1.4

I declare, under penalty of perjury, that the above report on the results of the analysis of this sample is true and correct.

Respectfully submitted,

TRUESDAIL LABORATORIES, INC.

A. W. Zahner, M.S.
Chief Chemist

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from these Laboratories.

DUPLICATE
REPORT

5385

TRUESDAIL LABORATORIES, INC.

CHEMISTS - MICROBIOLOGISTS - ENGINEERS
RESEARCH — DEVELOPMENT — TESTING

4101 N. FIGUEROA STREET
LOS ANGELES 90065
AREA CODE 213 • 225-1564
CABLE: TRUELABS

CLIENT Air Products and Chemicals, Inc.
23320 S. Alameda
Long Beach, California
Attention: Norwin Schoenerr

DATE September 11, 1972

RECEIVED September 9, 1972

LABORATORY NO. 113970

SAMPLE EFFLUENT Sample

INVESTIGATION Analysis as requested by the State of California, Los Angeles Region Water Quality Control Board Number Four, Exhibit A, Resolution No. 68-4, for the month of September 1972.

RESULTS

Effluent Sample

pH @ 25 °C	7.28
Suspended Solids, ppm	6.8
Settleable Solids, ml/liter	< 0.05
Phenols, ppm	< 0.05
C.O.D., ppm	79.5
Oil and Grease, ppm	10.0

I declare under penalty of perjury, that the above report on the results of the analysis of this sample is true and correct.

A. W. Zahner, M.S.
Chief Chemist

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from these Laboratories.

COPY SENT TO CRWQCB, L.A. REGION

COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
INDUSTRIAL WASTE DIVISION

I-5385

INSPECTOR'S REPORT

TO: Ed Thompson DATE: 9/13/72

FROM: Don H Tallman FILE: Air Products
13320 So. Alemeda

REPORT: A follow up inspection showed that all the Chemical Deposits on the Rocks in Dominguez Channel has been Cleaned Up & Removed.

E.J

Lab. Copy ..... WHITE
I File Copy ..... CANARY
Field Copy ..... PINK

COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
INDUSTRIAL WASTE DIVISION

CHEMICAL ANALYSIS

Analysis requested by Milo Dobos *Job No.* _____

Sample of Effluent to Dominguez Channel from Air Industries 23320 S. Alameda *file:* I-5385

Source of suspected contaminants, i.e., character of industrial process, etc.

Sample marked #2097 *collected by* T Hanks

Quantity 1 quart *Date* 9-20-72 *Time of day* 9:10 AM

	PARTS PER MILLION		PARTS PER MILLION
Calcium		*Hydroxide*	
Magnesium		*Carbonate*	
Potassium		*Bicarbonate*	
Sodium		*Chloride*	
Iron		*Sulfate*	
Manganese		*Nitrate*	
Aluminum		*Sulfide*	0 ±
Boron		*Fluoride*	
Chromium, hexavalent		*Phosphate*	
Silica		*Cyanide*	
Total Cations		*Total Anions*	
		Total Ions (calculated dissolved solids)	
pH	6.5	*Dissolved Oxygen*	
Hardness (as $CaCO_3$)		*Biochemical Oxygen Demand*	
Alkalinity (as $CaCO_3$)		*Dissolved Solids*	
Carbon Dioxide (Calc.)		*Suspended Solids*	
Phenols		*Total Solids*	
Oil & Grease		*Turbidity*	
Non-Carbonate Hardness		*Sodium Ratio*	
Conductance, micrombos		*A B S*	
		Total Iron	
		Total Manganese	

Remarks or special analyses COD on 1/4 = 38 ppm

Received at laboratory 9-20-72 *Laboratory No.* 24829

Analysis by P *Date* 9-20-72

76C211F--CE 644--REV.--12/64 (P5)

Q

DUPLICATE
REPORT

5385

TRUESDAIL LABORATORIES, INC.

CHEMISTS - MICROBIOLOGISTS - ENGINEERS
RESEARCH — DEVELOPMENT — TESTING

4101 N. FIGUEROA STREET
LOS ANGELES 90065
AREA CODE 213 • 225-1564
CABLE: TRUELABS

CLIENT Air Products and Chemicals Inc.
23320 South Alameda
Long Beach, California 90810

DATE November 13, 1972

RECEIVED November 7, 1972

SAMPLE

LABORATORY NO. 114550

INVESTIGATION Monitoring of Receiving Water in Dominguez Channel in accordance with requirements of the State of California Los Angeles Regional Water Quality Control Board Number 4, according to Exhibit "A", Resolution No. 68-4, Fourth Quarter, 1972.

RESULTS

On November 7, 1972 the receiving water of the one outlet to the Dominguez Channel was monitored at two locations four times during a complete tidal cycle. The sampling locations were two feet below the surface at points fifty feet south and fifty feet north of the discharge, 15 feet out from the west bank. The monitoring was conducted at high tide, mid ebb tide, low tide and mid flood tide to determine pH, temperature and dissolved oxygen.

In addition to the measurements, visual observations were recorded as to conditions outside the immediate vicinity of the discharge point.

The monitoring data and other information are tabulated on the following page.

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from these Laboratories.

TIDE STAGE

Measurements	HIGH N	HIGH S	MID EBB N	MID EBB S	LOW N	LOW S	MID FLOOD N	MID FLOOD S
pH	7.85	7.85	7.80	7.80	7.85	7.85	7.85	7.85
Temp. °F.	62	62	62	62	63	63	61	61
D.O., ppm	4.10	4.10	4.20	4.20	4.90	4.90	4.00	4.00
Hour (2400)	1147	1142	1357	1352	1610	1603	0920	0914
Flow:								
Feet/Min.	---		7 - 10		1 - 2		7-10	
Direction	No Flow		South		South		North	
Observations								
Color	Dark Green		Dark Green		Dark Green		Dark Green	
Turbidity	Very slight		slightslight		slight	slight	slight	
Color Patches	None -		None		None		None	
Visible Solids	None		None		None		Wood & debris over entire channel	
Oil & Grease, etc.	Very slight foam around outlet		None		None		None	
Sludge Deposits	None		None		None		None	
Plant/Animal Growth	Algae and barnacles on edges		algae and barnacles on edges		algae and barnacles on edges		algae and barnacles on edges	
Odor Description	None		None		None		None	
Weather Conditions	Overcast light to medium wind		Partly cloudy, light to medium wind		Partly cloudy, medium wind		Overcast medium wind	

Respectfully submitted,

TRUESDAIL LABORATORIES, INC.

A. W. Zahner, M.S.
Chief Chemist

TIDE STAGE

Measurements	HIGH N	HIGH S	MID EBB N	MID EBB S	LOW N	LOW S	MID FLOOD N	MID FLOOD S
pH	7.85	7.85	7.80	7.80	7.85	7.85	7.85	7.85
Temp. °F.	62	62	62	62	63	63	61	61
D.O., ppm	4.10	4.10	4.20	4.20	4.90	4.90	4.00	4.00
Hour (2400)	1147	1142	1357	1352	1610	1603	0920	0914
Flow:								
Feet/Min.	---		7 - 10		1 - 2		7-10	
Direction	No Flow		South		South		North	
Observations								
Color	Dark Green		Dark Green		Dark Green		Dark Green	
Turbidity	Very slight		slightslight		slight	slight	slight	
Color Patches	None		None		None		None	
Visible Solids	None		None		None		Wood & debris over entire channel	
Oil & Grease, etc.	Very slight foam around outlet		None		None		None	
Sludge Deposits	None		None		None		None	
Plant/Animal Growth	Algae and barnacles on edges		algae and barnacles on edges		algae and barnacles on edges		algae and barnacles on edges	
Odor Description	None		None		None		None	
Weather Conditions	Overcast light to medium wind		Partly cloudy, light to medium wind		Partly cloudy, medium wind		Overcast medium wind	

Respectfully submitted,

TRUESDAIL LABORATORIES, INC.

A. W. Zahner, M.S.
Chief Chemist

Lab. Copy ..... WHITE
I File Copy ..... CANARY
Field Copy ..... PINK

COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
INDUSTRIAL WASTE DIVISION

CHEMICAL ANALYSIS

Analysis requested by Milo Dobbs *Job No.* _____

Sample of Effluent to Dominguez Channel from Air Prod. & Chem. Inc. 2320 S. Alameda *file:* I-5385-2

Source of suspected contaminants, i.e., character of industrial process, etc.

Sample marked AP-402 *collected by* L. Davis

Quantity 1 quart *Date* 12-20-72 *Time of day* 10:00 A.M.

	PARTS PER MILLION		PARTS PER MILLION
Calcium		*Hydroxide*	
Magnesium		*Carbonate*	
Potassium		*Bicarbonate*	
Sodium		*Chloride*	
Iron		*Sulfate*	
Manganese		*Nitrate*	
Aluminum		*Sulfide*	
Boron		*Fluoride*	
Chromium, hexavalent		*Phosphate*	
Silica		*Cyanide*	
Total Cations		*Total Anions*	
		Total Ions (calculated dissolved solids)	

pH		*Dissolved Oxygen*	
Hardness (as $CaCO_3$)		*Biochemical Oxygen Demand*	
Alkalinity (as $CaCO_3$)		*Dissolved Solids*	
Carbon Dioxide (Calc.)		*Suspended Solids*	
Phenols		*Total Solids*	
Oil & Grease		*Turbidity*	
Non-Carbonate Hardness		*Sodium Ratio*	
Conductance, micrombos		*A B S*	
		Total Iron	
		Total Manganese	

Remarks or special analyses C.O.D. only = 62 ppm

Received at laboratory 12 20 72 *Laboratory No.* 24973

Analysis by CP *Date* 12-20-72

76C211F--CE 644--REV.--12/64 Ⓟ

I-5385

CITY OF CARSON

February 8, 1973

Air Products and Chemicals, Inc.
23220 South Alameda Street
Carson, California

Gentlemen:

AIR PRODUCTS AND CHEMICALS, INC. (I-5385)

Our records indicate that your facility is currently discharging to Dominguez Channel under Industrial Waste Disposal Permit No. 3113. To complete our files, please provide us with a current set of site and waste piping plans for all your channel discharges. Please indicate on these plans any flow measuring or recording devices installed.

Your plans should be forwarded to:

Mr. C. G. Brisley, Jr., Division Engineer
Project Planning and Pollution Control Division
Department of County Engineer
9150 East Imperial Highway
Downey, California 90242

Attention Mr. Gordon Marion

Thank you for your cooperation.

Very truly yours,

Harvey T. Brandt
CITY ENGINEER

Original Signed

S. Iguchi
Assistant Division Engineer

SI-cp 8

dc: SI, ER, GM, FILE--I-5385

DUPLICATE
REPORT

TRUESDAIL LABORATORIES, INC.

CHEMISTS - MICROBIOLOGISTS - ENGINEERS
RESEARCH — DEVELOPMENT — TESTING

4101 N. FIGUEROA STREET
LOS ANGELES 90065
AREA CODE 213 • 225-1564
CABLE: TRUELABS

CLIENT Air Products and Chemicals Inc.
23320 South Alameda
Long Beach, California 90810

DATE February 15, 1973

RECEIVED February 6, 1973

SAMPLE I-5385

LABORATORY NO. 115830

INVESTIGATION

Monitoring of Receiving Water in Domingues Channel in accordance with requirements of the State of California Los Angeles Regional Water Quality Control Board, Number 4, according to Exhibit "A" Resolution No. 68-4, First Quarter 1973.

RESULTS

On February 13, 1973, the receiving water of the one outlet to the Domingues Channel was monitored at two locations four times during the complete tidal cycle. The sampling locations were two feet below the surface at points fifty feet south and fifty feet north of the discharge, fifteen (15) feet out from the west bank. The monitoring was conducted at high tide, mid ebb tide, low tide and mid flood to determine pH, temperature and dissolved oxygen.

In addition to the measurements, visual observations were recorded as to conditions outside the immediate vicinity of the discharge point.

The monitoring data and other information are tabulated on the following page.

OK
LQ

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from these Laboratories.

Air Products and Chemicals Inc.
Laboratory No. 115830

	TIDE STAGE							
	HIGH		MID EBB		LOW		MID FLOOD	
Measurements	N	S	N	S	N	S	N	S
pH	7.80	7.80	7.80	7.80	7.85	7.85	7.80	7.80
Temp. °F	55	55	56	56	57	57	55	55
D.O., ppm	5.00	5.00	5.75	5.75	5.35	5.35	5.80	5.60
Hour (2400)	0837	0832	1056	1050	1303	1255	1632	1625
Flow:								
Feet/Min.	-	-	-	10	-	-	10-12	
Direction	No Flow		South		No Flow		North	

Observations

Color	Brown	Brown	Brown	Brown
Turbidity	Slight	Slight	Slight	Slight
Color Patches	None	None	None	None
Visible Solids	None	None	None	None
Oil & Grease, etc.	Very slight Foam around Outlet	Slight foam south of Outlet	Slight foam south of Outlet	Slight foam north of Outlet
Sludge Deposits	None	None	None	None
Plant/Animal Growth	Algae and barnacles on the edges	Algae and barnacles on the edges	Algae and barancles on the edges	Algae and barancles on the edges
Odor Description	None	None	None	None
Weather Conditions	Sunny, light wind	Sunny, medium wind	Partly cloudy medium wind	Partly cloudy medium wind

Respectfully submitted,
TRUESDAIL LABORATORIES, INC.

A. W. Zahner, M.S.
Chief Chemist

Lab. Copy ..... WHITE
I File Copy ..... CANARY
Field Copy ..... PINK

COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
INDUSTRIAL WASTE DIVISION

CHEMICAL ANALYSIS

Analysis requested by Milo Dobes *Job No.* _____

Sample of Effluent to Dominguez Channel from Air Prod. & Chem. Inc 23220 S. Alameda *file:* I-5385-2

Source of suspected contaminants, i.e., character of industrial process, etc.

Sample marked A-71 *collected by* J Lamb

Quantity 1 quart *Date* 2-27-73 *Time of day* 9:15 AM

	PARTS PER MILLION		PARTS PER MILLION
Calcium		Hydroxide	
Magnesium		Carbonate	
Potassium		Bicarbonate	
Sodium		Chloride	
Iron		Sulfate	
Manganese		Nitrate	
Aluminum		Sulfide	0.0
Boron		Fluoride	
Chromium, hexavalent		Phosphate	
Silica		Cyanide	
Total Cations		Total Anions	
		Total Ions (calculated dissolved solids)	
pH	6.5	Dissolved Oxygen	
Hardness (as $CaCO_3$)		Biochemical Oxygen Demand	
Alkalinity (as $CaCO_3$)		Dissolved Solids	
Carbon Dioxide (Calc.)		Suspended Solids	
Phenols		Total Solids	
Oil & Grease		Turbidity	
Non-Carbonate Hardness		Sodium Ratio	
Conductance, micrombos		A B S	
		Total Iron	
		Total Manganese	

Remarks or special analyses C.O.D. only = 13 ppm

Received at laboratory 2-27-73 *Laboratory No.* 25084

Analysis by _____ *Date* 2-27-73

76C211F--CE 644--REV.--12/64 (P5)

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Field Copy ..... PINK

COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
INDUSTRIAL WASTE DIVISION

CHEMICAL ANALYSIS

Analysis requested by Milo Dobes *Job No.* 04/5,00

Sample of Effluent to Dominguez Channel from Air Prod. & Chem.
23220 S. Alameda *file:* I-5385-2

Source of suspected contaminants, i.e., character of industrial process, etc.

Sample marked A-721 *collected by* J. Davis

Quantity 1 quart *Date* 4-12-73 *Time of day* 9:30 A.M.

	PARTS PER MILLION		PARTS PER MILLION
Calcium		Hydroxide	
Magnesium		Carbonate	
Potassium		Bicarbonate	
Sodium		Chloride	
Iron		Sulfate	
Manganese		Nitrate	
Aluminum		Sulfide	0 °
Boron		Fluoride	
Chromium, hexavalent		Phosphate	
Silica		Cyanide	
Total Cations		Total Anions	
		Total Ions (calculated dissolved solids)	
pH	6	Dissolved Oxygen	
Hardness (as $CaCO_3$)		Biochemical Oxygen Demand	
Alkalinity (as $CaCO_3$)		Dissolved Solids	
Carbon Dioxide (Calc.)		Suspended Solids	
Phenols		Total Solids	
Oil & Grease		Turbidity	
Non-Carbonate Hardness		Sodium Ratio	
Conductance, micromhos		A B S	
		Total Iron	
		Total Manganese	

Remarks or special analyses C O D. only = 10 ppm

Received at laboratory 4-12-73 *Laboratory No.* 25167

Analysis by CP *Date* 4-12-73

76C211F--CE 644--REV.--12/64 (P5)

DUPLICATE

REPORT

5385

TRUESDAIL LABORATORIES, INC.

CHEMISTS - MICROBIOLOGISTS - ENGINEERS

RESEARCH — DEVELOPMENT — TESTING

4101 N. FIGUEROA STREET
LOS ANGELES 90065
AREA CODE 213 • 225-1564
CABLE: TRUELABS

CLIENT Air Products and Chemicals, Inc.
23320 South Alameda
Long Beach, California 90810

DATE May 8, 1973

RECEIVED May 2, 1973

SAMPLE

LABORATORY NO. 117068

INVESTIGATION Monitoring of Receiving Water in Dominguez Channel in accordance with requirements of the State of California Los Angeles Regional Water Quality Control Board Number 4, according to Exhibit "A" Resolution No. 68-4 Second Quarter 1973.

RESULTS

On May 2, 1973 the receiving water of the one outlet to the Dominguez channel was monitored at two locations four times during the complete tidal cycle. The sampling locations were two feet below the surface at points fifty feet south and fifty feet north of the discharge, 15 feet out from the West bank. The monitoring was conducted at high tide, mid ebb tide, low tide and mid flood to determine pH, temperature and dissolved oxygen.

In addition to the measurements, visual observations were recorded as to conditions outside the immediate vicinity of the discharge point.

The monitoring data and other information are tabulated on the following page.

Respectfully submitted,

TRUESDAIL LABORATORIES, INC.

Charles A. Gratchfield

Charles A. Gratchfield, Ph.D.
Technical Director

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from these Laboratories.

TIDE STAGE

Measurements	HIGH N	HIGH S	MID EBB N	MID EBB S	LOW N	LOW S	MID FLOOD N	MID FLOOD S
pH	7.80	7.80	7.80	7.80	7.85	7.85	7.80	7.80
Temp. °F.	59	59	60	60	59	59	57	57
D.O., ppm	4.60	4.60	4.80	4.80	4.75	4.75	4.25	4.10
Hour (2400)	1022	1017	1314	1307	1515	1507	0750	0745
Flow:								
Feet/Min.	--		7 - 10		--		7 - 10	
Direction	No Flow		South		No.Flow		North	
Observations								
Color	Green		Green		Green		Green	
Turbidity	Slight		Slight		Very slight		Slight	
Color Patches	None		None		None		None	
Visible Solids	None		None		None		None	
Oil & Grease, etc.	Very slight foam around outlet.		Flight foam around outlet		None		Very slight foam around outlet.	
Sludge Deposits	None		None		None		None	
Plant/Animal Growth	Algae and barnacles on edges.		Algae and barnacles on edges.		Algae and barnacles on edges.		Algae and barnacles on edges.	
Odor Description	None		None		None		None	
Weather Conditions	Sunny, light wind		Sunny, slight wind		Sunny, no wind		Sunny, light wind	

Respectfully submitted,

TRUESDAIL LABORATORIRS, INC.

Charlie A. Crutchfield

Charlie A. Crutchfield, Ph.D.
Technical Director

REPORT

TRUESDAIL LABORATORIES, INC.

CHEMISTS - MICROBIOLOGISTS - ENGINEERS
RESEARCH — DEVELOPMENT — TESTING

4101 N. FIGUEROA STREET
LOS ANGELES 90065
AREA CODE 213 • 225-1564
CABLE: TRUELABS

CLIENT Air Products and Chemicals Inc.
23320 So. Alameda Street
Long Beach, California
Attn: Norwin Schoenerr

DATE April 9, 1973

RECEIVED April 4, 1973

SAMPLE Effluent Wastewater

LABORATORY NO. 116642

INVESTIGATION Analysis as requested by the State of California, Los Angeles Region, Water Quality Control Board Number Four, Exhibit A, Resolution No. 68-4, for the month of April 1973.

RESULTS

Effluent Sample

pH @ 25°C	9.28
Suspended Solids, ppm	6.4
Settleable Solids, ml/liter	<0.05
Phenols, ppm	<0.05
C.O.D., ppm	43.2
Oil and Grease, ppm	4.0

I declare under penalty of perjury, that the above report on the results of the analysis of this sample is true and correct.

Respectfully submitted,

TRUESDAIL LABORATORIES, INC.

A. W. Zahner, M.S.
Chief Chemist

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Field Copy ..... PINK

COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
INDUSTRIAL WASTE DIVISION

CHEMICAL ANALYSIS

Analysis requested by Milo Dobes *Job No.* _____

Sample of Effluent to Dominguez Channel from Air Prod. & Chem. Inc. 23220 S. Alameda *file:* I-5385-2

Source of suspected contaminants, i.e., character of industrial process, etc.

Sample marked AI-731 *collected by* L. Davis

Quantity 1 qt grab *Date* 5-15-73 *Time of day* 9:00 AM

	PARTS PER MILLION		PARTS PER MILLION
Calcium		Hydroxide	
Magnesium		Carbonate	
Potassium		Bicarbonate	
Sodium		Chloride	
Iron		Sulfate	
Manganese		Nitrate	
Aluminum		Sulfide	
Boron		Fluoride	
Chromium, hexavalent		Phosphate	
Silica		Cyanide	
Total Cations		Total Anions	
		Total Ions (calculated dissolved solids)	
pH		Dissolved Oxygen	
Hardness (as $CaCO_3$)		Biochemical Oxygen Demand	
Alkalinity (as $CaCO_3$)		Dissolved Solids	
Carbon Dioxide (Calc.)		Suspended Solids	
Phenols		Total Solids	
Oil & Grease		Turbidity	
Non-Carbonate Hardness		Sodium Ratio	
Conductance, micrombos		A B S	
		Total Iron	
		Total Manganese	

Remarks or special analyses C O D. only = 78 ppm

Received at laboratory 5-15-73 *Laboratory No.* 25235

Analysis by CP *Date* 5-15-73

76C211F--CE 644--REV.--12/64 Ⓟs

OK LQ

LQ

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I File Copy ..... CANARY
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COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
INDUSTRIAL WASTE DIVISION

CHEMICAL ANALYSIS

Analysis requested by Milo Dobes *Job No.* _____

Sample of Effluent to Dominguez Channel from Air Prod. & Chem. Inc. 23220 S. Alameda *file:* I-5385-2

Source of suspected contaminants, i.e., character of industrial process, etc.

Sample marked AP-741 *collected by* J. Wands

Quantity 1 qt *Date* 6-25-73 *Time of day* 9:05 AM

	PARTS PER MILLION		PARTS PER MILLION
Calcium		Hydroxide	
Magnesium		Carbonate	
Potassium		Bicarbonate	
Sodium		Chloride	
Iron		Sulfate	
Manganese		Nitrate	
Aluminum		Sulfide	0.2
Boron		Fluoride	
Chromium, hexavalent		Phosphate	
Silica		Cyanide	
Total Cations		Total Anions	
		Total Ions (calculated dissolved solids)	
pH	7	Dissolved Oxygen	
Hardness (as $CaCO_3$)		Biochemical Oxygen Demand	
Alkalinity (as $CaCO_3$)		Dissolved Solids	
Carbon Dioxide (Calc.)		Suspended Solids	
Phenols		Total Solids	
Oil & Grease		Turbidity	
Non-Carbonate Hardness		Sodium Ratio	
Conductance, micrombos		A B S	
		Total Iron	
		Total Manganese	

Remarks or special analyses C.O.D. only = 20 ppm

Received at laboratory 25 73 *Laboratory No.* 25382

Analysis by P *Date* 6 25 73

76C211F--CE 644--REV.--12/64 Ps

Cus

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I File Copy ..... CANARY
Field Copy ..... PINK

COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
INDUSTRIAL WASTE DIVISION

CHEMICAL ANALYSIS

Analysis requested by Milo Dobes *Job No.* _____

Sample of Effluent to Dominguez Channel from Air Prod. & Chem. Inc. 23220 S. Alameda *file:* I-5385.2

Source of suspected contaminants, i.e., character of industrial process, etc.

Sample marked ~~Inert~~ AP-221 *collected by* J. Davis

Quantity Inert *Date* _____ *Time of day* 9:02 A.M.

	PARTS PER MILLION		PARTS PER MILLION
Calcium		Hydroxide	
Magnesium		Carbonate	
Potassium		Bicarbonate	
Sodium		Chloride	
Iron		Sulfate	
Manganese		Nitrate	
Aluminum		Sulfide	0
Boron		Fluoride	
Chromium, hexavalent		Phosphate	
Silica		Cyanide	
Total Cations		Total Anions	
		Total Ions (calculated dissolved solids)	
pH	7	Dissolved Oxygen	
Hardness (as $CaCO_3$)		Biochemical Oxygen Demand	
Alkalinity (as $CaCO_3$)		Dissolved Solids	
Carbon Dioxide (Calc.)		Suspended Solids	
Phenols		Total Solids	
Oil & Grease		Turbidity	
Non-Carbonate Hardness		Sodium Ratio	
Conductance, micrombos		A B S	
		Total Iron	
		Total Manganese	

Remarks or special analyses COD only = 34 ppm

Received at laboratory 7 12 71 *Laboratory No.* 24001

Analysis by CP *Date* 7 12 71

76C211F--CE 644--REV.--12/64 (P)

LQ

Lab. Copy ..... WHITE
I File Copy ..... CANARY
Field Copy ..... PINK

COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
INDUSTRIAL WASTE DIVISION

CHEMICAL ANALYSIS

Analysis requested by Milo Dobos *Job No.* 3750.10

Sample of Effluent to Dominguez Channel from Air Products & Chem. Inc. 23220 S. Alameda *file:* I-5385-2

Source of suspected contaminants, i.e., character of industrial process, etc.

Sample marked AP-751 *collected by* L. Wards

Quantity 1 quart *Date* 7-19-73 *Time of day* 9:00 AM

	PARTS PER MILLION		PARTS PER MILLION
Calcium		Hydroxide	
Magnesium		Carbonate	
Potassium		Bicarbonate	
Sodium		Chloride	
Iron		Sulfate	
Manganese		Nitrate	
Aluminum		Sulfide	0 ±
Boron		Fluoride	
Chromium, hexavalent		Phosphate	
Silica		Cyanide	
Total Cations		Total Anions	
		Total Ions (calculated dissolved solids)	
pH	7	Dissolved Oxygen	
Hardness (as $CaCO_3$)		Biochemical Oxygen Demand	
Alkalinity (as $CaCO_3$)		Dissolved Solids	
Carbon Dioxide (Calc.)		Suspended Solids	
Phenols		Total Solids	
Oil & Grease		Turbidity	
Non-Carbonate Hardness		Sodium Ratio	
Conductance, micrombos		A B S	
		Total Iron	
		Total Manganese	

Remarks or special analyses C.O.D. only = 18 ppm

Received at laboratory 7 19 73 *Laboratory No.* 25480

Analysis by P *Date* 7 19 73

76C211F--CE 644--REV.--12/64 (P)

CWS

REPORT

I-5385

TRUESDAIL LABORATORIES, INC.

CHEMISTS - MICROBIOLOGISTS - ENGINEERS
RESEARCH — DEVELOPMENT — TESTING

4101 N. FIGUEROA STREET
LOS ANGELES 90065
AREA CODE 213 • 225-1564
CABLE: TRUELABS

CLIENT Air Products and Chemicals, Inc.
23320 So. Alameda
Long Beach, California 90810
Attn: Norwin Schoenerr

DATE July 20, 1973

RECEIVED July 12, 1973

SAMPLE Effluent Wastewater

LABORATORY NO. 118043

INVESTIGATION Analysis as requested by the State of California, Los Angeles Region, Water Quality Control Board Number Four, Exhibit A, Resolution No. 68-4, for the month of July, 1973.

RESULTS

Effluent Sample	
pH @ 25°C	8.00
Suspended Solids, ppm	2.5
Settleable Solids, ml/liter	0.05
Phenols, ppm	0.05
C.O.D., ppm	19.8
Oil and Grease, ppm	1.9

I declare, under penalty of perjury, that the above report on the results of the analysis of this sample is true and correct.

Respectfully Submitted,

TRUESDAIL LABORATORIES, INC.

A.W. Zahner, M.S.
Chief Chemist

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DUPLICATE
REPORT

TRUESDAIL LABORATORIES, INC.

CHEMISTS - MICROBIOLOGISTS - ENGINEERS
RESEARCH — DEVELOPMENT — TESTING

4101 N. FIGUEROA STREET
LOS ANGELES 90065
AREA CODE 213 • 225-1564
CABLE: TRUELABS

CLIENT Air Products and Chemicals Inc.
23320 South Alameda
Long Beach, California 90810

DATE August 14, 1973

RECEIVED August 8, 1973

SAMPLE

LABORATORY NO. 118538

INVESTIGATION Monitoring of Receiving Water in Dominguez Channal in accordance with requirements of the State of California Los Angeles Regional Water Quality Control Board Number 4, according to Exhibit "A", Resolution No. 68-4, Third Quarter 1973.

RESULTS

On August 8, 1973 the receiving water of the one outlet to the Dominguez Channel was monitored at two locations four times during the complete tidal cycle. The sampling locations were two feet below the surface at points fifty feet south and fifty feet north of the discharge, 15 feet out from the West bank. The monitoring was conducted at high tide, mid ebb tide, low tide and mid flood to determine pH, temperature and dissolved oxygen.

In addition to the measurements, visual observations were recorded as to conditions outside the immediate vicinity of the discharge point.

The monitoring data and other information are tabulated on the following page.

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Air Products and Chemicals Inc.
Laboratory No. 118538

TIDE STAGE

Measurements	HIGH N	HIGH S	MID EBB N	MID EBB S	LOW N	LOW S	MID FLOOD N	MID FLOOD S
pH	7.80,	7.80	7.80	7.80	7.80	7.80	7.80	7.80
Temp. °F.	63	63	65	65	68	68	66	66
D.O., ppm	3.40	3.40	3.50	3.80	3.90	3.90	4.70	4.24
Hour (2400)	0825	0820	1016	1010	1208	1202	1515	1508
Flow:								
Feet/Min.	---		5-10		---		7-10	
Direction	No Flow		South		No.Flow		North	
Observations								
Color	Dark green		Dark green		Dark green		Dark green	
Turbidity	Very slight		Very slight		Very slight		Very slight	
Color Patches	None		None		None		None	
Visible Solids	None		None		None		None	
Oil & Grease, etc.	None		None		None		None	
Sludge Deposits	None		None		None		None	
Plant/Animal Growth	Algae and barnacles on the edges		Algae and barnacles on the edges		Algae and barnacles on the edges		Algae and barnacles on the edges	
Odor Description	None		None		None		None	
Weather Conditions	Cloudy, medium wind		Sunny, medium wind		Sunny, medium wind		Sunny, medium wind	

Respectfully submitted,

TRUESDAIL LABORATORIES, INC.

A. W. Zahner, M.S.
Chief Chemist

Lab. Copy ..... WHITE
I File Copy ..... CANARY
Field Copy ..... PINK

COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
INDUSTRIAL WASTE DIVISION

CHEMICAL ANALYSIS

Analysis requested by Milo Dobes *Job No.* 3750.10

Sample of Effluent to Dominguez Channel from Air Products & Chem. Inc. 23220 S. Alameda *file:* I-5385-2

Source of suspected contaminants, i.e., character of industrial process, etc.

Sample marked AP-761 *collected by* J. Dunn - R. Hardt

Quantity 1 gallon *Date* 8-16-73 *Time of day* 8:50 A.M.

	PARTS PER MILLION		PARTS PER MILLION
Calcium		Hydroxide	
Magnesium		Carbonate	
Potassium		Bicarbonate	
Sodium		Chloride	
Iron		Sulfate	
Manganese		Nitrate	
Aluminum		Sulfide	OD
Boron		Fluoride	
Chromium, hexavalent		Phosphate	
Silica		Cyanide	
Total Cations		Total Anions	
		Total Ions (calculated dissolved solids)	
pH	7	Dissolved Oxygen	
Hardness (as $CaCO_3$)		Biochemical Oxygen Demand	
Alkalinity (as $CaCO_3$)		Dissolved Solids	
Carbon Dioxide (Calc.)		Suspended Solids	
Phenols		Total Solids	
Oil & Grease		Turbidity	
Non-Carbonate Hardness		Sodium Ratio	
Conductance, micrombos		A B S	
		Total Iron	
		Total Manganese	

Remarks or special analyses C.O.D. on 1/ = 36 ppm

Received at laboratory 8-16-73 *Laboratory No.* 25558

Analysis by CP *Date* 8-16-73

76C211F--CE 644--REV.--12/64

RBWH
91373B

Lab. Copy ..... WHITE
I File Copy ..... CANARY
Field Copy ..... PINK

COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
INDUSTRIAL WASTE DIVISION

CHEMICAL ANALYSIS

Analysis requested by MILO DOBES *Job No.* 3750.10

Sample of EFFLUENT TO DOMINGUEZ CHANNEL FROM AIR PRODUCTS & CHEM INC., 23220 SO. ALAMEDA *file:* I-5385-22

Source of suspected contaminants, i.e., character of industrial process, etc.

OUTLET TO CHANNEL

Sample marked RBWH 91373B *collected by* RBWH

Quantity 1 QT. *Date* 9-13-73 *Time of day* 9:00 AM

	PARTS PER MILLION		PARTS PER MILLION
Calcium		Hydroxide	
Magnesium		Carbonate	
Potassium		Bicarbonate	
Sodium		Chloride	
Iron		Sulfate	
Manganese		Nitrate	
Aluminum		Sulfide	
Boron		Fluoride	
Chromium, hexavalent		Phosphate	
Silica		Cyanide	
Total Cations		Total Anions	
		Total Ions (calculated dissolved solids)	
pH		Dissolved Oxygen	
Hardness (as $CaCO_3$)		Biochemical Oxygen Demand	
Alkalinity (as $CaCO_3$)		Dissolved Solids	
Carbon Dioxide (Calc.)		Suspended Solids	
Phenols		Total Solids	
Oil & Grease		Turbidity	
Non-Carbonate Hardness		Sodium Ratio	
Conductance, micrombos		A B S	
		Total Iron	
		Total Manganese	

Remarks or special analyses C.O.D. only → 30 mg/l.

Received at laboratory 9-13-73 *Laboratory No.* 25620

Analysis by RA *Date* 9-13-73

76C211F--CE 644--REV.--12/64 Ⓟ5

Lab. Copy ..... WHITE
I File Copy ..... CANARY
Field Copy ..... PINK

COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
INDUSTRIAL WASTE DIVISION

CHEMICAL ANALYSIS

Analysis requested by Milo Dobbs *Job No.* 3750.10

Sample of Effluent to Dominguez Channel from Air Prod. & Chem. 23220 S. Alameda *file:* I-5385-2

Source of suspected contaminants, i.e., character of industrial process, etc.

Sample marked AP-771 *collected by* J. Davis

Quantity 1 Quart *Date* 10-18-73 *Time of day* 9:00 AM

	PARTS PER MILLION		PARTS PER MILLION
Calcium		Hydroxide	
Magnesium		Carbonate	
Potassium		Bicarbonate	
Sodium		Chloride	
Iron		Sulfate	
Manganese		Nitrate	
Aluminum		Sulfide	0
Boron		Fluoride	
Chromium, hexavalent		Phosphate	
Silica		Cyanide	
Total Cations		Total Anions	
		Total Ions (calculated dissolved solids)	
pH		Dissolved Oxygen	
Hardness (as $CaCO_3$)		Biochemical Oxygen Demand	
Alkalinity (as $CaCO_3$)		Dissolved Solids	
Carbon Dioxide (Calc.)		Suspended Solids	
Phenols		Total Solids	
Oil & Grease		Turbidity	
Non-Carbonate Hardness		Sodium Ratio	
Conductance, micrombos		A B S	
		Total Iron	
		Total Manganese	

Remarks or special analyses C.O.D. 2011 → 39 ppm.

Received at laboratory 10-18-73 *Laboratory No.* 25693

Analysis by RA *Date* 10-19-73

76C211F--CE 644--REV.--12/64 Ⓟs

WB

Lab. Copy ..... WHITE
I File Copy ..... CANARY
Field Copy ..... PINK

COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
INDUSTRIAL WASTE DIVISION

CHEMICAL ANALYSIS

Analysis requested by Ken Harvey *Job No.* 3750.10

Sample of Effluent to Dominguez Channel from Air Prod. & Chem Co. 23320 S. Alameda *file:* 5385-2

Source of suspected contaminants, i.e., character of industrial process, etc.

Sample marked AI-790 *collected by* ~~8:00 AM~~ T. Davis

Quantity 1 grab *Date* 1-14-74 *Time of day* 8:00 AM

	PARTS PER MILLION		PARTS PER MILLION
Calcium		Hydroxide	
Magnesium		Carbonate	
Potassium		Bicarbonate	
Sodium		Chloride	
Iron		Sulfate	
Manganese		Nitrate	
Aluminum		Sulfide	OK
Boron		Fluoride	
Chromium, hexavalent		Phosphate	
Silica		Cyanide	
Total Cations		Total Anions	
		Total Ions (calculated dissolved solids)	
pH	12	Dissolved Oxygen	
Hardness (as $CaCO_3$)		Biochemical Oxygen Demand	
Alkalinity (as $CaCO_3$)		Dissolved Solids	
Carbon Dioxide (Calc.)		Suspended Solids	
Phenols		Total Solids	
Oil & Grease		Turbidity	
Non-Carbonate Hardness		Sodium Ratio	
Conductance, micrombos		A B S	
		Total Iron	
		Total Manganese	

Remarks or special analyses C.O.D. only → 43 ppm.

Received at laboratory 1-14-74 *Laboratory No.* 25849

Analysis by Raymond *Date* Jan. 14, 1974 WS

76C211F--CE 644--REV.--12/64 (P)

STATE OF CALIFORNIA—RESOURCES AGENCY

RONALD REAGAN, Governor

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD—
LOS ANGELES REGION

107 SOUTH BROADWAY, SUITE 4027
LOS ANGELES, CALIFORNIA 90012

CERTIFIED MAIL-RETURN RECEIPT REQUESTED (No. 462784)

REPLY ACTN INFO
REFD TO
DEC 6 9 45 AM '74
REPT TO PREP REPLY
HTB RAW JTR
IHA RJR RTR

DEC 5 1974

Air Products and Chemicals, Inc.
23320 South Alameda Street
Long Beach, California 90810

RECEIVED
DEC 6 1974
PROJECT PLANNING AND POLLUTION CONTROL DIVISION

ATTENTION: Mr. Norwin S. Schoenherr
Plant Manager

RE: Waste Discharge Requirements (NPDES Permit No. CA0003085)

Gentlemen:

Reference is made to our letter dated October 3, 1974, which transmitted a draft of tentative requirements for your disposal of wastes into Dominguez Channel.

Pursuant to Division 7 of the Water Code of the State of California, this California Regional Water Quality Control Board, at a public hearing held on November 18, 1974, reviewed these tentative requirements, considered all factors in the case, and adopted Order No. 74-344 (copy attached) relative to this waste discharge.

Please note the revision of the effluent limitation for phenols on page 2 of the Order, as adopted. The concentration limits for settleable solids as presented in the tentative requirements were not changed, as these are consistent with those adopted for other similar discharges. Any request for changing these limits must be substantiated by data supporting the request.

This Order serves as a permit under the National Pollutant Discharge Elimination System, and expires July 31, 1978. Please note that you must file an application for a new permit at least 180 days in advance of that date.

Your attention is directed to the provision in the Monitoring and Reporting Program (copy attached) which requires you to submit a technical report to this Board no later than 30 days after receipt of this permit relative to the operation and maintenance of of the waste disposal facility. You are also required to implement the monitoring program as stated in the Monitoring and Reporting Program within 60 days of the effective date of this Order. Your first monitoring report is due by April 15, 1975. Please reference all technical and monitoring reports to our Compliance File No. 5422.

Very truly yours,

Original signed by
Raymond M. Hertel
RAYMOND M. HERTEL
Executive Officer

cc: See attached mailing list

Enclosures

cc: Environmental Protection Agency, Region IX
Regional Administrator, Attn: Permits Branch (2) (CM-RRR No. 462785)
United States Army Corps of Engineers
State Water Resources Control Board
Department of Fish and Game
Department of Health, Water Sanitation Section
Department of Water Resources
Natural Resources Defense Council, Inc.
~~United States Department of the Interior,~~
~~Division of River Basin Studies~~
Los Angeles County Flood Control District
County of Los Angeles, Department of Health Services
City of Carson
NOAA, National Marine Fisheries Service
Air Products and Chemicals, Inc.
ATTENTION: Mr. George G. Handley
Los Angeles County Engineer
Project Planning and Pollution Control Division

State of California
Resources Agency
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD, LOS ANGELES REGION

ORDER NO. 74-344

NPDES NO. CA0003085

WASTE DISCHARGE REQUIREMENTS FOR AIR PRODUCTS AND CHEMICALS, INC.

The California Regional Water Quality Control Board, Los Angeles Region, finds:

1. Air Products and Chemicals, Inc., has filed a report of waste discharge and has applied for a permit to discharge wastes under the National Pollutant Discharge Elimination System.

2. Air Products and Chemicals, Inc., operates a liquid hydrogen production plant at 23320 South Alameda Street, Carson, California, and discharges up to 56,000 gallons per day of wastes consisting of cooling tower bleed-off, boiler blowdown, and wash water from concrete-paved operating areas directly into Dominguez Channel, a water of the United States, near Sepulveda Boulevard, within the tidal prism.

3. Air Products and Chemicals, Inc., is operating under requirements adopted by this Board on February 21, 1968, (Resolution No. 68-4)

4. The Board adopted an Interim Water Quality Control Plan for Santa Clara and Los Angeles River Basins on June 10, 1971, and updated that Plan on December 13, 1972. The Interim Plan contains water quality objectives for Dominguez Channel tidal prism.

5. The beneficial uses of the receiving waters are: non-water-contact recreation and marine habitat.

6. Effluent limitation standards established pursuant to Section 301 of the Federal Water Pollution Control Act and amendments thereto are applicable to the discharge.

The Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for this discharge and has provided them with an opportunity to submit their written views and recommendations.

The Board in a public hearing heard and considered all comments pertaining to the discharge and to the tentative requirements.

This Order shall serve as a National Pollutant Discharge Elimination System permit pursuant to Section 402 of the Federal Water Pollution Control Act, or amendments thereto, and shall take effect at the end of ten days from the date of its adoption, provided the Regional Administrator, EPA, has no objections.

IT IS HEREBY ORDERED, that Air Products and Chemicals, Inc.,

in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder, and the provisions of the Federal Water Pollution Control Act and regulations and guidelines adopted thereunder, shall comply with the following:

A. Effluent Limitations

1. Wastes discharged shall be limited to cooling tower bleed-off, boiler blowdown, and floor wash water, as proposed.

2. The discharge of an effluent in excess of the following limits is prohibited:

	Discharge Rate (lbs/day)		Concentration Limit (mg/l)	
Constituent	Maximum Daily	30-Day Average	Average	Maximum
Suspended solids	35	23.4	50	75
Settleable solids	--	----	0.1*	0.2*
COD	30	30	---	---
Oil and grease	7.0	4.67	10	15
Total chromium	4.67×10^{-3}	2.34×10^{-3}	0.005	0.01
Phenols	0.093	0.047	0.1	0.2

* In ml/l

3. The daily discharge rate shall be obtained from the following calculation for any calendar day:

$$\text{Daily discharge rate} = \frac{8.34}{N} \sum_{1}^{N} Q_i \, C_i$$

in which N is the number of samples analyzed in any calendar day. Q_i and C_i are the flow rate (MGD) and the constituent concentration (mg/l) respectively, which are associated with each of the N grab samples which may be taken in any calendar day. If a composite sample is taken, C_i is the concentration measured in the composite sample and Q_i is the average flow rate occurring during the period over which samples are composited.

4. The 30-day average discharge rate shall be the arithmetic average of all the values of daily discharge rate calculated using the results of analyses of all samples collected during any 30 consecutive calendar day period. If fewer than four samples are collected and analyzed during any 30 consecutive calendar day period, compliance with the 30-day average rate limitation shall not be determined.

5. The pH of wastes discharged shall at all times be within the range 6.5 to 9.0.

6. The temperature of wastes discharged shall not exceed 100°F.

7. Wastes discharged shall not contain visible oil or grease, and shall not cause the appearance of grease, oil or oily slick, or foam in the receiving waters or on channel banks, walls, inverts or other structures.

8. Wastes discharged shall not cause the formation of sludge deposits.

9. Neither the disposal nor any handling of waste shall cause pollution or nuisance.

10. Wastes discharged shall not damage flood control structures or facilities.

11. This discharge shall not cause a violation of any applicable water quality standard for receiving waters adopted by the Regional Board or the State Water Resources Control Board as required by the Federal Water Pollution Control Act and regulations adopted thereunder. If more stringent applicable water quality standards are promulgated or approved pursuant to Section 303 of the Federal Water Pollution Control Act, or amendments thereto, the Board will revise and modify this Order in accordance with such more stringent standards.

12. The discharge of wastes shall not cause the presence of nutrients in concentrations which would result in undue proliferation of plankton or other undesirable biotic growth.

B. Provisions

1. This Order includes the following items of the attached "Standard Provisions": 1, 2, 4, 5, 6, 7, 8, 9, 10 and 11.

2. This Order includes the following items of the attached "Reporting Requirements": 1, 5, and 8.

3. This Order includes the attached "General Monitoring and Reporting Provisions."

4. This Order expires on July 31, 1978, and the discharger must file a Report of Waste Discharge in accordance with Title 23, California Administrative Code, not later than 180 days in advance of such date as application for issuance of new waste discharge requirements.

5. A copy of these waste discharge specifications shall be maintained at the discharge facility so as to be available at all times to operating personnel.

6. In the event of any change in name, ownership, or control of these waste disposal facilities, the discharger shall notify this Board of such change and shall notify the succeeding owner or operator of the existence of this Order by letter, copy of which shall be forwarded to the Board.

7. Any discharge of wastes at any point(s) other than specifically described in this permit is prohibited, and constitutes a violation of the permit.

8. Resolution No. 68-4, adopted by this Board on February 21, 1968, is hereby rescinded.

I, Raymond M. Hertel, Executive Officer, do hereby certify that the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, Los Angeles Region, on November 18, 1974.

Raymond M. Hertel

RAYMOND M. HERTEL, Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

LOS ANGELES REGION

STANDARD PROVISIONS

1. The requirements prescribed herein do not authorize the commission of any act causing injury to the property of another, nor protect the discharger from his liabilities under federal, state, or local laws, nor guarantee the discharger a capacity right in the receiving waters.

2. The discharge of any radiological, chemical, or biological warfare agent or high level radiological waste is prohibited.

3. The discharger shall require any industrial user of the treatment works to comply with applicable service charges and toxic and pretreatment standards promulgated in accordance with Sections 204(b), 307, and 308 of the Federal Water Pollution Control Act or amendments thereto. The discharger shall require each individual user to submit periodic notice (over intervals not to exceed nine months) of progress toward compliance with applicable toxic and pretreatment standards developed pursuant to the Federal Water Pollution Control Act or amendments thereto. The discharger shall forward a copy of such notice to the Board and the Regional Administrator.

4. The discharger shall permit the Regional Board:

   (a) Entry upon premises in which an effluent source is located or in which any required records are kept;

   (b) Access to copy any records required to be kept under terms and conditions of this Order;

   (c) Inspection of monitoring equipment or records, and

   (d) Sampling of any discharge.

5. All discharges authorized by this Order shall be consistent with the terms and conditions of this Order. The discharge of any pollutant more frequently than or at a level in excess of that identified and authorized by this Order shall constitute a violation of the terms and conditions of this Order.

6. The discharger shall maintain in good working order and operate as efficiently as possible any facility or control system installed by the discharger to achieve compliance with the waste discharge requirements.

7. Collected screenings, sludges, and other solids removed from liquid wastes shall be disposed of at a legal point of disposal, and in accordance with the provisions of Division 7.5 of the California Water Code. For the purpose of this requirement, a legal point of disposal is defined as one for which waste discharge requirements have been prescribed by a regional water quality control board and which is in full compliance therewith.

8. After notice and opportunity for a hearing, this Order may be terminated or modified for cause, including, but not limited to:

   (a) Violation of any term or condition contained in this Order;

   (b) Obtaining this Order by misrepresentation, or failure to disclose all relevant facts;

   (c) A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.

9. If a toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) is established under Section 307(a) of the Federal Water Pollution Control Act, or amendments thereto, for a toxic pollutant which is present in the discharge authorized herein and such standard or prohibition is more stringent than any limitation upon such pollutant in this Order, the Board will revise or modify this Order in accordance with such toxic effluent standard or prohibition and so notify the discharger.

10. There shall be no discharge of harmful quantities of oil or hazardous substances, as specified by regulation adopted pursuant to Section 311 of the Federal Water Pollution Control Act, or amendments thereto.

11. In the event the discharger is unable to comply with any of the conditions of this Order due to:

   (a) breakdown of waste treatment equipment;

   (b) accidents caused by human error or negligence; or

   (c) other causes such as acts of nature,

   the discharger shall notify the Executive Officer by telephone as soon as he or his agents have knowledge of the incident and confirm this notification in writing within two weeks of the telephone notification. The written notification shall include pertinent information explaining reasons for the non-compliance and shall indicate what steps were taken to correct the problem and the dates thereof, and what steps are being taken to prevent the problem from recurring.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

LOS ANGELES REGION

REPORTING REQUIREMENTS

1. The discharger shall file with the Board technical reports on self-monitoring work performed according to the detailed specifications contained in any Monitoring and Reporting Programs as directed by the Executive Officer.

2. The discharger shall file a written report with the Board within 90 days after the average dry-weather waste flow for any month equals or exceeds 75 percent of the design capacity of his waste treatment and/or disposal facilities. The discharger's senior administrative officer shall sign a letter which transmits that report and certifies that the policy-making body is adequately informed about it. The report shall include:

   Average daily flow for the month, the date on which the instantaneous peak flow occurred, the rate of that peak flow, and the total flow for that day.

   The discharger's best estimate of when the average daily dry-weather flow rate will equal or exceed the design capacity of his facilities.

   The discharger's intended schedule for studies, design, and other steps needed to provide additional capacity for his waste treatment and/or disposal facilities before the waste flow rate equals the capacity of present units. (Reference: Sections 13260, 13267(b), and 13268, California Water Code.)

3. The discharger shall notify the Board not later than 120 days in advance of implementation of any plans to alter production capacity of the product line of the manufacturing, producing or processing facility by more than ten percent. Such notification shall include estimates of proposed production rate, the type of process, and projected effects on effluent quality. Notification shall include submittal of a new report of waste discharge and appropriate filing fee.

4. The discharger shall notify the Board of (a) new introduction into such works of pollutants from a source which would be a new source as defined in Section 306 of the Federal Water Pollution Control Act, or amendments thereto, if such source were discharging pollutants to the waters of the United States, (b) new introductions of pollutants into such works from a source which would be subject to Section 301 of the Federal Water Pollution Control Act, or amendments thereto, if it were discharging such pollutants to the waters of the United States, (c) a substantial change in the volume or character of pollutants being introduced into such works by a source introducing pollutants into such works at the time the waste discharge requirements were adopted. Notice shall include a description of the quantity and quality of pollutants and the impact of such change on the quantity and quality of effluent from such publicly owned treatment works. A substantial change in volume is considered an increase of ten percent in the mean dry-weather flow rate. The discharger shall forward a copy of such notice directly to the Regional Administrator.

5. The discharger shall file with the Board a report on waste discharge at least 120 days before making any material change or proposed change in the character, location or volume of the discharge.

6. This Board requires the discharger to file with the Board, within 90 days after the effective date of this Order, a technical report on his preventive (fail-safe) and contingency (cleanup) plans for controlling accidental discharges, and for minimizing the effect of such events. The technical report should:

   Identify the possible sources of accidental loss, untreated waste bypass, and contaminated drainage. Loading and storage areas, power outage, waste treatment unit outage, and failure of process equipment, tanks and pipes should be considered.

   Evaluate the effectiveness of present facilities and procedures and state when they became operational.

   Describe facilities and procedures needed for effective preventive and contingency plans.

   Predict the effectiveness of the proposed facilities and procedures and provide an implementation schedule containing interim and final dates when they will be constructed, implemented, or operational. (Reference: Sections 13267(b) and 13268, California Water Code.

   This Board, after review of the technical report, may establish conditions which it deems necessary to control accidental discharges and to minimize the effects of such events. Such conditions may be incorporated as part of this Order, upon notice to the discharger.

7. The discharger shall submit to the Board, by January 30 of each year, an annual summary of the quantities of all chemicals, listed by both trade and chemical names, which are used for cooling and/or boiler water treatment and which are discharged.

8. The discharger shall submit to the Board, together with the first monitoring report required by this permit, a list of all chemicals and proprietary additives which could affect this waste discharge, including quantities of each. Any subsequent changes in types and/or quantities shall be reported promptly.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

LOS ANGELES REGION

GENERAL MONITORING AND REPORTING PROVISIONS

GENERAL PROVISIONS FOR SAMPLING AND ANALYSIS

Unless otherwise noted, all sampling, sample preservation, and analyses shall be conducted in accordance with the current edition of "Standard Methods for the Examination of Water and Wastewater" or as approved by the Executive Officer.

All analyses shall be performed in a laboratory approved by the Executive Officer.

Effluent samples shall be taken downstream of any addition to the treatment works and prior to mixing with the receiving waters.

The discharger shall calibrate and perform maintenance procedures on all monitoring instruments and equipment to insure accuracy of measurements, or shall insure that both activities will be conducted.

A grab sample is defined as an individual sample collected in fewer than 15 minutes.

A composite sample is defined as a combination of no fewer than eight individual samples obtained over the specified sampling period. The volume of each individual sample is proportional to the discharge flow rate at the time of sampling. The sampling period shall equal the discharge period, or 24 hours, whichever period is shorter.

GENERAL PROVISIONS FOR REPORTING

For every item where the requirements are not met, the discharger shall submit a statement of the actions undertaken or proposed which will bring the discharge into full compliance with requirements at the earliest time and submit a timetable for correction.

By January 30 of each year, the discharger shall submit an annual report to the Board. The report shall contain both tabular and graphical summaries of the monitoring data obtained during the previous year. In addition, the discharger shall discuss the compliance record and the corrective actions taken or planned which may be needed to bring the discharge into full compliance with the waste discharge requirements.

The discharger shall maintain all sampling and analytical results, including strip charts; date, exact place, and time of sampling; date analyses were performed; analyst's name; analytical techniques used; and results of all analyses. Such records shall be retained for a minimum of three years. This period of retention shall be extended during the course of any unresolved litigation regarding this discharge or when requested by the Board.

Monitoring reports shall be signed by:

a. In the case of corporations, by a principal executive officer at least of the level of vice-president or his duly authorized representative, if such representative is responsible for the overall operation of the facility from which discharge originates;

b. In the case of a partnership, by a general partner;

c. In the case of a sole proprietorship, by the proprietor;

d. In the case of municipal, state or other public facility, by either a principal executive officer, ranking elected official, or other duly authorized employee.

The discharger shall mail a copy of each monitoring report to:

Regional Administrator
Environmental Protection Agency
Region IX
100 California Street
San Francisco, CA 94111

Each report shall contain the following completed declaration:

"I declare under penalty of perjury that the foregoing is true and correct.

Executed on the _____day of _____ at _____.

_____(Signature)

_____(Title)"

In reporting the monitoring data, the discharger shall arrange the data in tabular form so that the date, the constituents, and the concentrations are readily discernible. The data shall be summarized to demonstrate compliance with waste discharge requirements, and, where applicable, shall include results of receiving water observations.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION
MONITORING AND REPORTING PROGRAM NO. 5422
FOR
AIR PRODUCTS AND CHEMICALS, INC.
(CA0003085)

The discharger shall implement this monitoring program within 60 days of the effective date of this Order. The first monitoring report under this program is due by April 15, 1975.

Monitoring reports shall be submitted by the dates in the following schedule:

Reporting Period	Report Due
January - March	April 15
April - June	July 15
July - September	October 15
October - December	January 15

If no flow occurred during the quarter the report shall so state.

Effluent Monitoring

A sampling station shall be established for each point of discharge and shall be located where representative samples of that effluent can be obtained. The following shall constitute the effluent monitoring program:

Constituent	Units	Type of Sample	Minimum Frequency of Analysis
pH	pH units	grab	quarterly
Temperature	^{o}F	grab	monthly
Total waste flow	gal/day	----	monthly
Suspended solids	mg/l	grab	quarterly
Settleable solids	ml/l	grab	quarterly
COD	lbs/day	grab	quarterly
Oil and grease*	mg/l	grab	quarterly
Total chromium**	mg/l	grab	quarterly
Phenols	mg/l	grab	quarterly
Sulfide	mg/l	grab	quarterly

* By the trichlorotrifluoroethane extraction method.

** A statement certifying that no chromium compounds were used during the reporting period may be submitted in lieu of this analysis.

Operation and Maintenance Report

The discharger shall file a technical report with this Board not later than 30 days after receipt of this permit, relative to the operation and maintenance program for this waste disposal facility. The information to be contained in that report shall include, as a minimum, the following:

a. The name and address of the person or company responsible for operation and maintenance of the facility.

b. Type of maintenance (preventive or corrective).

c. Frequency of maintenance, if preventive.

Ordered by Raymond M. Hertel
Executive Officer

NOV 18 1974
Date

I-5385

Air Products and Chemicals, Inc.
Box 538, Allentown, PA 18105
(215) 398-4911

4 October 1979

Mr. Carl Sjoberg
Department of County Engineer - Facilities
Cashier - Room 604
550 South Vermont Avenue
Los Angeles, CA 90020

Re: Permit No. 03113
Air Products and Chemicals, Inc.
Long Beach, CA Facility

Dear Mr. Sjoberg:

Enclosed is a check representing payment of the Annual (1979) Industrial Waste Inspection Fee for the above referenced facility. Please note that per your telephone conversation with Mr. Wayne Knecht of our Long Beach facility, the payment is $25.00, not $100.00 as indicated on the invoice.

Very truly yours,

AIR PRODUCTS AND CHEMICALS, INC.

Betsy A. Kester

Betsy A. Kester
Enviornmental Engineer

BAK:mbg

Enclosure

CWS

STATE OF CALIFORNIA—RESOURCES AGENCY

EDMUND G. BROWN JR., Governor

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD—
LOS ANGELES REGION

107 SOUTH BROADWAY, SUITE 4027
LOS ANGELES, CALIFORNIA 90012
(213) 620-4460

CWCS

I-5385

June 24, 1983

RECEIVED
JUN 28 1983
L. A. COUNTY ENGINEER
SANITATION DIVISION

Air Products and Chemicals, Inc.
23320 South Alameda Street
Long Beach, California 90810

ATTENTION: Mr. R.L. Shadman, Plant Manager

RE: Tentative Waste Discharge Requirements (NPDES Permit No. CA0003085)

Gentlemen:

Reference is made to your completed application to this Board for a permit to discharge wastes under the National Pollutant Discharge Elimination System (NPDES).

Pursuant to the Federal Water Pollution Control Act, as amended in 1977, and in accordance with the California Administrative Code, tentative waste discharge requirements have been prepared.

Enclosed are copies of the tentative requirements, consisting of:

a. Board Order
b. Standard Provisions
c. Reporting Requirements
d. General Monitoring and Reporting Provisions
e. Monitoring and Reporting Program

In accordance with administrative procedures, this Board at a public hearing to be held on July 25, 1983, at 10:00 a.m., 107 South Broadway, Room 1138, Los Angeles, California, will consider the enclosed tentative requirements and comments submitted in writing regarding any or all portions thereof. The Board will hear any testimony pertinent to this discharge and the tentative requirements. It is expected that the Board will take action at the hearing; however, as testimony indicates, the Board at its discretion may order further investigation.

Any comments that any person has with respect to this tentative Order must be received by July 11, 1983, in order to be included in the Board's agenda folder. However, comments received after that date will still be considered by this Board.

If you have any questions, please call us.

Very truly yours,

Lawrence A. Thyerson
for RAYMOND M. HERTEL
Executive Officer

cc: See attached mailing list

Enclosures

Attached mailing list

cc: Environmental Protection Agency, Region IX,
Regional Administrator, ATTN: Permits Branch
United States Army Corps of Engineers
State Water Resources Control Board, Division of Technical Services, ATTN: Pettit
Department of Fish and Game, Marine Resources Region
Department of Health, Water Sanitation Section
Department of Water Resources
Los Angeles County Flood Control District
County of Los Angeles, Department of Health Services
City of Carson
NOAA, National Marine Fisheries Service
Los Angeles County Engineer, Project Planning and Pollution Control Division

State of California
Resources Agency
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD, LOS ANGELES REGION

ORDER NO. _____

NPDES NO. CA0003085

WASTE DISCHARGE REQUIREMENTS
FOR
AIR PRODUCTS AND CHEMICALS, INC.

The California Regional Water Quality Control Board, Los Angeles Region, finds:

1. Air Products and Chemicals, Inc. discharges wastes under waste discharge requirements contained in Order 78-53 (NPDES No. CA0003085) adopted by this Board on May 22, 1978.

2. Air Products and Chemicals, Inc. has filed a report of waste discharge and has applied for renewal of its waste discharge requirements and National Pollutant Discharge Elimination System permit.

3. Air Products and Chemicals, Inc. operates a liquid hydrogen production plant at 23320 South Alameda Street, Carson, California, and discharges up to 50,000 gallons per day of cooling tower bleed-off, boiler blowdown, and wash water from concrete-paved operating areas directly into Dominguez Channel, a water of the United States, at a point about 1,500 feet downstream from Alameda Street, within the Fidal prism.

4. The Board adopted a revised Water Quality Control Plan for Los Angeles River Basin on March 27, 1978. The Plan contains water quality objectives for Dominguez Channel. The requirements contained in this Order as they are met will be in conformance with the goals of Water Quality Control Plan.

5. The beneficial uses of the receiving waters are non-contact recreation, preservation of rare and endangered species, marine habitat and saline water habitat.

6. Effluent limitation standards established pursuant to Section 301 of the Federal Water Pollution Control Act and amendments thereto are applicable to the discharge.

7. The issuance of waste discharge requirements for this discharge is exempt from the provisions of Chapter 3 (commencing with Section 21100) of the Division 13, of the Public Resources Code in accordance with Water Code Section 13389.

TENTATIVE

The Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for this discharge and has provided them with an opportunity to submit their written views and recommendations.

The Board in a public hearing heard and considered all comments pertaining to the discharge and to the tentative requirements.

This Order shall serve as a National Pollutant Discharge Elimination System permit pursuant to Section 402 of the Federal Water Pollution Control Act, or amendments thereto, and shall take effect at the end of ten days from the date of its adoption, provided the Regional Administrator, EPA, has no objections.

IT IS HEREBY ORDERED, that Air Products and Chemicals, Inc.,

in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder, and the provisions of the Federal Water Pollution Control Act and regulations and guidelines adopted thereunder, shall comply with the following:

A. Effluent Limitations

1. The discharge of an effluent in excess of the following limits is prohibited:

		Discharge Limitations	
Constituent	Unit	30-Day Average	Maximum
Suspended solids	mg/l	50	150
	lbs/day*	20.85	62.6
Settleable solids	ml/l	0.1	0.3
COD			
	lbs/day*	30.0	30.0
Oil and grease	mg/l	10	15
	lbs/day*	4.17	6.26
Residual chlorine	mg/l	-	0.1

*Based on discharge flow of 50,000 gallons per day.

TENTATIVE

3. The daily discharge rate shall be obtained from the following calculation for any calendar day:

$$\text{Daily discharge rate} = \frac{8.34}{N} \sum_{1}^{N} Q_i C_i$$

in which N is the number of samples analyzed in any calendar day. Q_i and C_i are the flow rate (MGD) and the constituent concentration (mg/l) respectively, which are associated with each of the N grab samples which may be taken in any calendar day. If a composite sample is taken, C_i is the concentration measured in the composite sample and Q_i is the average flow rate occurring during the period over which samples are composited.

4. The 30-day average shall be the arithmetic average of all the daily values calculated using the results of analyses of all samples collected during any 30 consecutive calendar day period. If fewer than four samples are collected and analyzed during any 30 consecutive calendar day period, compliance with the 30-day average limitation shall not be determined.

5. The pH of wastes discharged shall at all times be within the range 6.0 to 9.0.

6. The temperature of wastes discharged shall not exceed 100°F.

7. Wastes discharged shall not contain visible oil or grease, and shall not cause the appearance of grease, oil or oily slick, or persistent foam in the receiving waters or on channel banks, walls, inverts or other structures.

8. Wastes discharged shall not cause the formation of sludge deposits.

9. Neither the disposal nor any handling of waste shall cause pollution or nuisance.

10. Wastes discharged shall not damage flood control structures or facilities.

11. This discharge shall not cause a violation of any applicable water quality standard for receiving waters adopted by the Regional Board or the State Water Resources Control Board as required by the Federal Water Pollution Control Act and regulations adopted thereunder. If more stringent applicable water quality standards are promulgated or approved pursuant to Section 303 of the Federal Water Pollution Control Act, or amendments thereto, the Board will revise and modify this Order in accordance with such more stringent standards.

12. Wastes discharged shall not contain any substances in concentrations toxic to human, animal, plant, or aquatic life.

13. Petroleum products, chemicals, and refuse and other wastes shall not be stored or placed where they will be picked up by rainfall and discharged to surface waters.

TENTATIVE

B. Provisions

1. This Order includes the following items of the attached "Standard Provisions": 1,2,4,5,6,7,8,9, and 11.

2. This Order includes the following items of the attached "Reporting Requirements": 1,5 and 8.

3. This Order includes the attached "General Monitoring and Reporting Provisions."

4. This Order expires on July 10, 1988, and the discharger must file a Report of Waste Discharge in accordance with Title 23, California Administrative Code, not later than 180 days in advance of such date as application for issuance of new waste discharge requirements.

5. A copy of these waste discharge specifications shall be maintained at the discharge facility so as to be available at all times to operating personnel.

6. In the event of any change in name, ownership, or control of these waste disposal facilities, the discharger shall notify this Board of such change and shall notify the succeeding owner or operator of the existence of this Order by letter, copy of which shall be forwarded to the Board.

7. Any discharge of wastes at any point(s) other than specifically described in this permit is prohibited, and constitutes a violation of the permit.

8. This order may be modified, or, alternatively, revoked and reissued, to comply with any applicable effluent limitation issued pursuant to the order the United States District Court for the District of Columbia issued on June 8, 1976, in Natural Resources Defense Council, Inc. et al. v. Russell E. Train, 8 ERC 2120 (D.D.C. 1976), if the effluent limitation so issued:

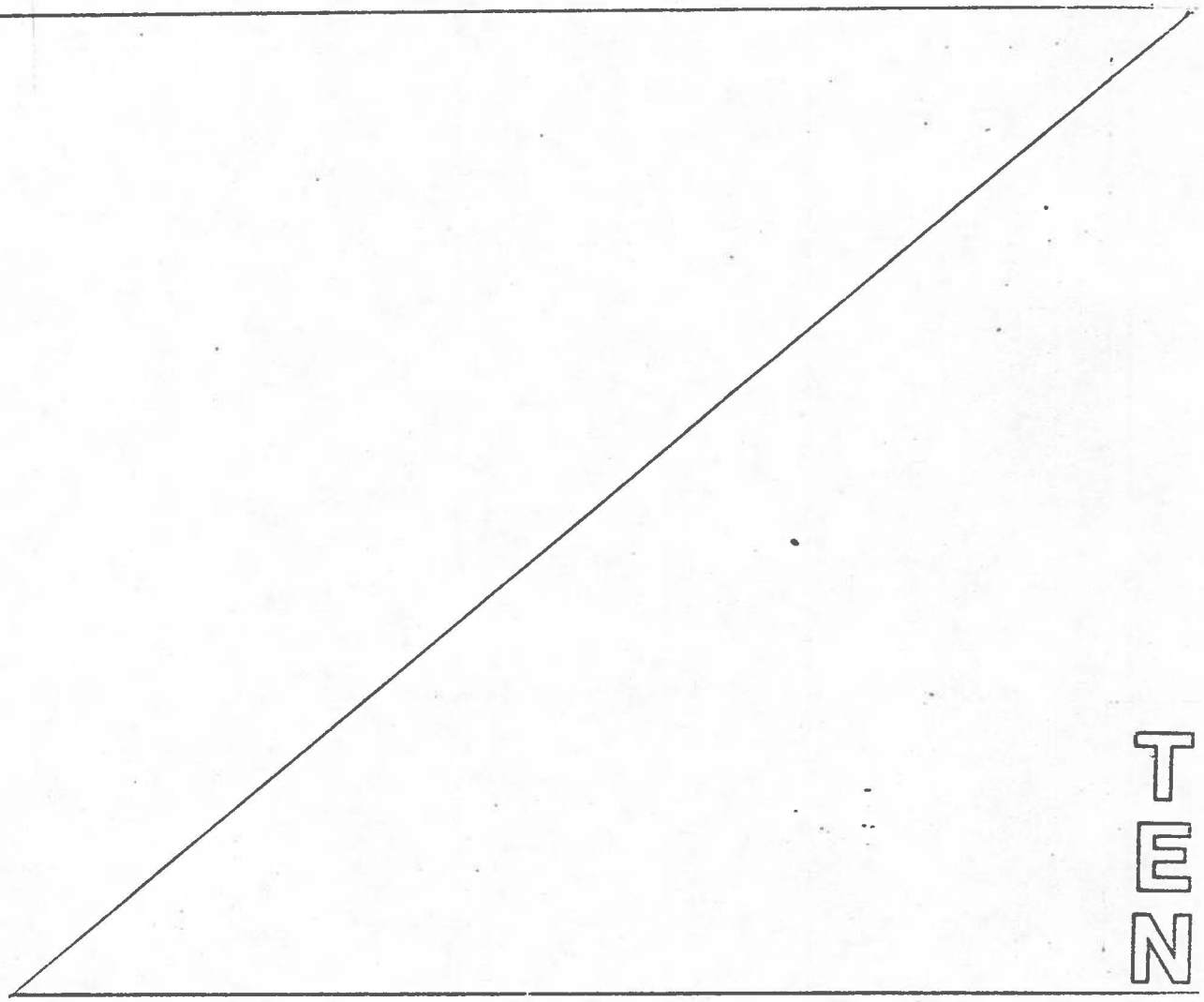
   (1) is different in conditions or more stringent than any effluent limitation in this order; or

   (2) controls any pollutant not limited in this order.

9. These requirements do not exempt the operator of this waste disposal facility from compliance with any other laws, regulations, or ordinances which may be applicable; they do not legalize this waste disposal facility, and they leave unaffected any further restraint on the disposal of wastes at this site which may be contained in other statutes or required by other agencies.

10. Order No. 78-53 adopted by this Board on May 22, 1978, is hereby rescinded.

TENTATIVE



TENTATIVE

I, Raymond M. Hertel, Executive Officer, do hereby certify that the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, Los Angeles Region, on July 25, 1983.

RAYMOND M. HERTEL, Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

LOS ANGELES REGION

STANDARD PROVISIONS

CA 0003085

TENTATIVE

1. The requirements prescribed herein do not authorize the commission of any act causing injury to the property of another, nor protect the discharger from his liabilities under federal, state, or local laws, nor guarantee the discharger a capacity right in the receiving waters.

2. The discharge of any radiological, chemical, or biological warfare agent or high level radiological waste is prohibited.

3. The discharger shall require any industrial user of the treatment works to comply with applicable service charges and toxic and pretreatment standards promulgated in accordance with Sections 204(b), 307, and 308 of the Federal Water Pollution Control Act or amendments thereto. The discharger shall require each individual user to submit periodic notice (over intervals not to exceed nine months) of progress toward compliance with applicable toxic and pretreatment standards developed pursuant to the Federal Water Pollution Control Act or amendments thereto. The discharger shall forward a copy of such notice to the Board and the Regional Administrator.

4. The discharger shall permit the Regional Board:

   (a) Entry upon premises in which an effluent source is located or in which any required records are kept;

   (b) Access to copy any records required to be kept under terms and conditions of this Order;

   (c) Inspection of monitoring equipment or records, and

   (d) Sampling of any discharge.

5. All discharges authorized by this Order shall be consistent with the terms and conditions of this Order. The discharge of any pollutant more frequently than or at a level in excess of that identified and authorized by this Order shall constitute a violation of the terms and conditions of this Order.

6. The discharger shall maintain in good working order and operate as efficiently as possible any facility or control system installed by the discharger to achieve compliance with the waste discharge requirements.

7. Collected screening, sludges, and other solids removed from liquid wastes shall be disposed of at a legal point of disposal, and in accordance with the provisions of Division 7.5 of the California Water Code. For the purpose of this requirement, a legal point of disposal is defined as one for which waste discharge requirements have been prescribed by a regional water quality control board and which is in full compliance therewith.

8. After notice and opportunity for a hearing, this Order may be terminated or modified for cause, including, but not limited to:

   (a) Violation of any term or condition contained in this Order;

   (b) Obtaining this Order by misrepresentation, or failure to disclose all relevant facts;

   (c) A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.

9. If a toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standards or prohibition) is established under Section 307(a) of the Federal Water Pollution Control Act, or amendments thereto, for a toxic pollutant which is present in the discharge authorized herein and such standard or prohibition is more stringent than any limitation upon such pollutant in this Order, the Board will revise or modify this Order in accordance with such toxic effluent standard or prohibition and so notify the discharger.

10. There shall be no discharge of harmful quantities of oil or hazardous substances, as specified by regulation adopted pursuant to Section 311 of the Federal Water Pollution Control Act, or amendments thereto.

11. In the event the discharger is unable to comply with any of the conditions of this Order due to:

   (a) breakdown of waste treatment equipment;

   (b) accidents caused by human error or negligence; or

   (c) other causes such as acts of nature,

   the discharger shall notify the Executive Officer by telephone as soon as he or his agents have knowledge of the incident and confirm this notification in writing within two weeks of the telephone notification. The written notification shall include pertinent information explaining reasons for the non-compliance and shall indicate what steps were taken to correct the problem and the dates thereof, and what steps are being taken to prevent the problem from recurring.

12. Supervisors and operators of publicly owned wastewater treatment plants shall possess a certificate of appropriate grade in accordance with regulations adopted by the State Water Resources Control Board.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

LOS ANGELES REGION

CA 0003085

REPORTING REQUIREMENTS

1. The discharger shall file with the Board technical reports on self-monitoring work performed according to the detailed specifications contained in any Monitoring and Reporting Programs as directed by the Executive Officer.

2. The discharger shall file a written report with the Board within 90 days after the average dry-weather waste flow for any month equals or exceeds 75 percent of the design capacity of his waste treatment and/or disposal facilities. The discharger's senior administrative officer shall sign a letter which transmits that report and certifies that the policy-making body is adequately informed about it. The report shall include:

   Average daily flow for the month, the date on which the instantantaneous peak flow occurred, the rate of that peak flow, and the total flow for that day.

   The discharger's best estimate of when the average daily dry-weather flow rate will equal or exceed the design capacity of his facilities.

   The discharger's intended schedule for studies, design, and other steps needed to provide additional capacity for his waste treatment and/or disposal facilities before the waste flow rate equals the capacity of present units. (Reference: Sections 13260, 13267(b), and 13268, California Water Code).

3. The discharger shall notify the Board not later than 120 days in advance of implementation of any plans to alter production capacity of the product line of the manufacturing, producing or processing facility by more than ten percent. Such notification shall include estimates of proposed production rate, the type of process, and projected effects on effluent quality. Notification shall include submittal of a new report of waste discharge and appropriate filing fee.

4. The discharger shall notify the Board of (a) new introduction into such works of pollutants from a source which would be a new source as defined in Section 306 of the Federal Water Pollution Control Act, or amendments thereto, if such source were discharging pollutants to the waters of the United States, (b) new introductions of pollutantsinto such works from a source which would be subject to Section 301 of the Federal Water Pollution Control Act, or amendments thereto, if substantial change in the volume or character of pollutants being introduced into such works by a source introducing pollutants into such works at the time the waste discharge requirements were adopted. Notice shall include a description of the quantity and quality of pollutants and the impact of such change on the substantial change in volume is considered an increase of ten percent in the mean dry-weather flow rate. The discharger shall forward a copy of such notice directly to the Regional Administrator.

5. The discharger shall file with the Board a report on waste discharge at least 120 days before making any material change or proposed change in the character, location or volume of the discharge.

6. This Board requires the discharger to file with the Board, within 90 days after the effective date of this Order, a technical report on his preventive (failsafe) and contingency (cleanup) plans for controlling accidental discharges, and for minimizing the effect of such events. The technical report should:

   Identify the possible sources of accidental loss, untreated waste bypass, and contaminated drainage. Loading and storage areas, power outage, waste treatment unit outage, and failure of process equipment, tanks and pipes should be considered.

   Evalulate the effectiveness of present facilities and procedures and state when they became operational.

   Describe facilities and procedures needed for effective preventive and contingency plans.

   Predict the effectiveness of the proposed facilities and procedures and provide an implementation schedule containing interim and final dates when they will be constructed, implemented, or operational. (Reference: Sections 13267(b) and 13268, California Water Code.

   This Board, after review of the technical report, may establish conditions which it deems necessary to control accidental discharges and to minimize the effects of such events. Such conditions may be incorporated as part of this Order, upon notice to the discharger.

7. The discharger shall submit to the Board, by January 30 of each year, an annual summary of the quantities of all chemicals, listed by both trade and chemical names, which are used for cooling and/or boiler water treatment and which are discharged.

8. The discharger shall submit to the Board, together with the first monitoring report required by this permit, a list of all chemicals and proprietary additives which could affect this waste discharge, including quantities of each. Any subsequent changes in types and/or quantities shall be reported promptly.

CA 0003085

TENTATIVE

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION

GENERAL MONITORING AND REPORTING PROVISIONS

GENERAL PROVISIONS FOR SAMPLING AND ANALYSIS

All sampling, sample preservation, and analyses shall be performed in accordance with the latest edition of "Guidelines Establishing Test Procedures for Analysis of Pollutants", promulgated by the United States Environmental Protection Agency.

All chemical, bacteriological, and bioassay analyses shall be conducted at a laboratory certified for such analyses by the State Department of Health.

Effluent samples shall be taken downstream of any addition to the treatment works and prior to mixing with the receiving waters.

The discharger shall calibrate and perform maintenance procedures on all monitoring instruments and equipment to insure accuracy of measurements, or shall insure that both activities will be conducted.

A grab sample is defined as an individual sample collected in fewer than 15 minutes.

A composite sample is defined as a combination of no fewer than eight individual samples obtained over the specified sampling period. The volume of each individual sample is proportional to the discharge flow rate at the time of sampling. The sampling period shall equal the discharge period, or 24 hours, whichever period is shorter.

GENERAL PROVISIONS FOR REPORTING

For every item where the requirements are not met, the discharger shall submit a statement of the actions undertaken or proposed which will bring the discharge into full compliance with requirements at the earliest time and submit a timetable for correction.

By January 30 of each year, the discharger shall submit an annual report to the Board. The report shall contain both tabular and graphical summaries of the monitoring data obtained during the previous year. In addition, the discharger shall discuss the compliance record and the corrective actions taken or planned which may be needed to bring the discharge into full compliance with the waste discharge requirements.

The discharger shall maintain all sampling and analytical results, including strip charts; date, exact place, and time of sampling; date analyses were performed; analyst's name; analytical techniques used; and results of all analyses. Such records shall be retained for a minimum of three years. This period of retention shall be extended during the course of any unresolved litigation regarding this discharge or when requested by the Board.

(Revised 8/1/75)

TENTATIVE

In reporting the monitoring data, the discharger shall arrange the data in tabular form so that the date, the constituents, and the concentrations are readily discernible. The data shall be summarized to demonstrate compliance with waste discharge requirements and, where applicable, shall include results of receiving water observations.

Monitoring reports shall be signed by:

a. In the case of corporations, by a principal executive officer at least of the level of vice-president or his duly authorized representative, if such representative is responsible for the overall operation of the facility from which discharge originates;

b. In the case of a partnership, by a general partner;

c. In the case of a sole proprietorship, by the proprietor;

d. In the case of municipal, state or other public facility, by either a principal executive officer, ranking elected official, or other duly authorized employee.

Each report shall contain the following completed declaration:

"I declare under penalty of perjury that the foregoing is true and correct.

Executed on the _____ day of _____ at _____

_____(Signature)

_____(Title)"

The discharger shall mail a copy of each monitoring report to the following:

California Regional Water Quality
Control Board - Los Angeles Region
107 South Broadway, Room 4027
Los Angeles, CA 90012

ATTN: Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION
MONITORING AND REPORTING PROGRAM NO. 5422

FOR

AIR PRODUCTS AND CHEMICALS, INC.
(CA0003085)

The discharger shall implement this monitoring program on the effective date of this Order. The first monitoring report under this program is due by July 15, 1983.

Monitoring reports shall be submitted by the dates in the following schedule:

Reporting Period	Report Due
January - March	April 15
April - June	July 15
July - September	October 15
October - December	January 15

If no flow occurred during the quarter the report shall so state.

Each monitoring report must affirm in writing that:

> All analyses were conducted at a laboratory certified for such analyses by the State Department of Health and in accordance with current EPA guideline procedures or as specified in the Monitoring Program.

For any analysis performed for which no procedure is specified in the EPA guidelines or in this Monitoring Program, the constituent or parameter analyzed and the method or procedure used must be specified in the report.

TENTATIVE

Effluent Monitoring

A sampling station shall be established for each point of discharge and shall be located where representative samples of that effluent can be obtained. The following shall constitute the effluent monitoring program:

Constituent	Units	Type of Sample	Minimum Frequency of Analysis
pH	pH units	grab	quarterly
Temperature	°F or °C	grab	monthly
Total waste flow	gal/day	----	monthly
Suspended solids	mg/l	grab	quarterly
Settleable solids	ml/l	grab	quarterly
COD	lbs/day	grab	quarterly
Oil and grease	mg/l	grab	quarterly
Residual Chlorine*	mg/l	grab	quarterly
Zinc	mg/l	grab	quarterly

* A statement that this constituent has not been added to the system may be submitted in lieu of analysis.

Demonstration of Compliance with 30-day Average Limitations

For parameters where both 30-day average and maximum limits are specified but where the monitoring frequency is less than four times a month, the following procedure shall apply. Future analyses of two successive samples yield results greater than 90% of the maximum limit for a parameter, the sampling frequency for that parameter shall be increased (within one week of receiving the laboratory result on the second sample) to a minimum of once weekly until at least four consecutive weekly samples have been obtained and compliance with the 30-day average limit has been demonstrated again and the discharger has set forth for the approval of the Executive Officer a program which ensures future compliance with the 30-day average limit.

TENTATIVE

Hauling Reports

In the event wastes are transported to a different disposal site during the reporting period, the following shall be reported.

a. Types of wastes and quantity of each type;

b. Name and either the address or the state registration number for each hauler of wastes (or the methods of transport if other than by hauling); and

c. Location of the final points of disposal for each type of waste.

If no wastes are hauled offsite during the reporting period, a statement to that effect shall be submitted.

Ordered by _____
Executive Officer

_____
Date

TENTATIVE

STATE OF CALIFORNIA
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD—
LOS ANGELES REGION
107 SOUTH BROADWAY, SUITE 4027
LOS ANGELES, CALIFORNIA 90012—4596
(213) 620-4460

GEORGE DEUKMEJIAN, Governor

I-5385

RECEIVED
AUG 02 1983
L. A. COUNTY ENGINEER
SANITATION DIVISION

AUG 1 - 1983

Air Products and Chemicals, Inc.
23320 South Alameda Street
Long Beach, CA 90810

ATTN: Mr. R. L. Shadman
Plant Manager

RE: Tentative Waste Discharge Requirements
(NPDES Permit No. CA0003085)

Gentlemen:

Reference is made to our letter dated June 24, 1983, which transmitted a draft of tentative requirements for your disposal of wastes to Dominguez Channel and informed you that the Board would consider the requirements at its July 25, 1983, public hearing.

At that hearing, the Board continued the consideration of your tentative requirements to a future Board hearing. You will be sent a copy of the agenda notice prior to that hearing.

If you have any questions, please call us.

Very truly yours,

Raymond M. Hertel

RAYMOND M. HERTEL
Executive Officer

cc: See Attached Mailing List

Air Products and Chemicals, Inc.

cc: Environmental Protection Agency, Region IX, ATTN: Permits Branch
U.S. Army Corps of Engineers
State Water Resources Control Board, Div. of Technical Services
ATTN: Walter Pettit
Department of Fish and Game, Marine Resources Region
Department of Health Services, Sanitary Engineering Section
Department of Water Resources
Los Angeles County, Department of Health Services
Los Angeles County Flood Control District
Los Angeles County Engineer-Facilities
NOAA, National Marine Fisheries Service
City of Carson

F-5385 CWS

STATE OF CALIFORNIA GEORGE DEUKMEJIAN, *Governor*

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD—
LOS ANGELES REGION
107 SOUTH BROADWAY, SUI 4027
LOS ANGELES, CALIFORNIA 90012-4596
(213) 620-4460

October 1 , 1983

RECEIVED
OCT 19 1983
L. A. COUNTY ENGINEER
SANITATION DIVISION

Air Products and Chemicals, Inc.
23320 South Alameda Street
Long Beach, CA 90810

Attn: Mr. R.L. Shadman, Plant Manager

RE: Waste Discharge Requirements - (NPDES No. CA0003085)

Gentlemen:

Reference is made to our letter dated June 24, 1983, which transmitted a draft of tentative requirements for your disposal of wastes to Dominguez Channel. Our letter dated August 1, 1983, informed you that the Board would consider your tentative requirements in a future Board hearing.

Revisions have been made to the tentative requirements. Enclosed is a copy of the revised tentative waste discharge requirements.

In accordance with administrative procedures, this Board at a public hearing to be held on November 28, 1983, at 10:00 a.m., 107 South Broadway, Room 1138, Los Angeles, California, will consider the revised tentative requirements and comments submitted in writing regarding any or all portions thereof. The Board will hear any testimony pertinent to this discharge and the tentative requirements. It is expected that the Board will take action at the hearing; however, as testimony indicates, the Board at its discretion may order further investigation.

Any comments that any person has with respect to this tentative Order must be received by November 14, 1983, in order to be included in the Board's agenda folder. However, comments received after that date will still be considered by this Board.

If you have any questions, please call us.

Very truly yours,

Dennis Dasker
for RAYMOND M. HERTEL
Executive Officer

cc: See attached mailing list

Enclosures

CWS

Air Products and Chemical, Inc.

cc: Environmental Protection Agency, Region IX, ATTN: Permits Branch
U.S. Army Corps of Engineers
State Water Resources Control Board, Div. of Technical Services
ATTN: Walter Pettit
Department of Fish and Game, Marine Resources Region
Department of Health Services, Sanitary Engineering Section
Department of Water Resources
Los Angeles County, Department of Health Services
Los Angeles County Flood Control District
Los Angeles County Engineer-Facilities
NOAA, National Marine Fisheries Service
City of Carson

State of California
Resources Agency
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD, LOS ANGELES REGION

ORDER NO. _____

NPDES NO. CA0003085

WASTE DISCHARGE REQUIREMENTS
FOR
AIR PRODUCTS AND CHEMICALS, INC.

The California Regional Water Quality Control Board, Los Angeles Region, finds:

1. Air Products and Chemicals, Inc. discharges wastes under waste discharge requirements contained in Order 78-53 (NPDES No. CA0003085) adopted by this Board on May 22, 1978.

2. Air Products and Chemicals, Inc. has filed a report of waste discharge and has applied for renewal of its waste discharge requirements and National Pollutant Discharge Elimination System permit.

3. Air Products and Chemicals, Inc. operates a liquid hydrogen production plant at 23320 South Alameda Street, Carson, California, and discharges up to 50,000 gallons per day of cooling tower bleed-off, boiler blowdown, and wash water from concrete-paved operating areas directly into Dominguez Channel, a water of the United States, at a point about 1,500 feet downstream from Alameda Street, within the tidal prism.

4. The Board adopted a revised Water Quality Control Plan for Los Angeles River Basin on March 27, 1978. The Plan contains water quality objectives for Dominguez Channel. The requirements contained in this Order as they are met will be in conformance with the goals of Water Quality Control Plan.

5. The beneficial uses of the receiving waters are non-contact recreation, preservation of rare and endangered species, marine habitat and saline water habitat.

6. Effluent limitation standards established pursuant to Section 301 of the Federal Water Pollution Control Act and amendments thereto are applicable to the discharge.

7. The issuance of waste discharge requirements for this discharge is exempt from the provisions of Chapter 3 (commencing with Section 21100) of the Division 13, of the Public Resources Code in accordance with Water Code Section 13389.

TENTATIVE

Revised 10/17/83
6/23/83

The Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for this discharge and has provided them with an opportunity to submit their written views and recommendations.

The Board in a public hearing heard and considered all comments pertaining to the discharge and to the tentative requirements.

This Order shall serve as a National Pollutant Discharge Elimination System permit pursuant to Section 402 of the Federal Water Pollution Control Act, or amendments thereto, and shall take effect at the end of ten days from the date of its adoption, provided the Regional Administrator, EPA, has no objections.

IT IS HEREBY ORDERED, that Air Products and Chemicals, Inc.,

in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder, and the provisions of the Federal Water Pollution Control Act and regulations and guidelines adopted thereunder, shall comply with the following:

A. Effluent Limitations

1. The discharge of an effluent in excess of the following limits is prohibited:

		Discharge Limitations	
Constituent	Unit	30-Day Average	Maximum
Suspended solids	mg/l	50	150
	lbs/day*	20.85	62.6
Settleable solids	ml/l	0.1	0.3
COD	lbs/day*	30.0	30.0
Oil and grease	mg/l	10	15
	lbs/day*	4.17	6.26

*Based on discharge flow of 50,000 gallons per day.

TENTATIVE

3. The daily discharge rate shall be obtained from the following calculation for any calendar day:

$$\text{Daily discharge rate} = \frac{8.34}{N} \sum_{1}^{N} Q_i C_i$$

in which N is the number of samples analyzed in any calendar day. Q_i and C_i are the flow rate (MGD) and the constituent concentration (mg/l) respectively, which are associated with each of the N grab samples which may be taken in any calendar day. If a composite sample is taken, C_i is the concentration measured in the composite sample and Q_i is the average flow rate occurring during the period over which samples are composited.

4. The 30-day average shall be the arithmetic average of all the daily values calculated using the results of analyses of all samples collected during any 30 consecutive calendar day period. If fewer than four samples are collected and analyzed during any 30 consecutive calendar day period, compliance with the 30-day average limitation shall not be determined.

5. The pH of wastes discharged shall at all times be within the range 6.0 to 9.0.

6. The temperature of wastes discharged shall not exceed 100°F.

7. Wastes discharged shall not contain visible oil or grease, and shall not cause the appearance of grease, oil or oily slick, or persistent foam in the receiving waters or on channel banks, walls, inverts or other structures.

8. Wastes discharged shall not cause the formation of sludge deposits.

9. Neither the disposal nor any handling of waste shall cause pollution or nuisance.

10. Wastes discharged shall not damage flood control structures or facilities.

11. This discharge shall not cause a violation of any applicable water quality standard for receiving waters adopted by the Regional Board or the State Water Resources Control Board as required by the Federal Water Pollution Control Act and regulations adopted thereunder. If more stringent applicable water quality standards are promulgated or approved pursuant to Section 303 of the Federal Water Pollution Control Act, or amendments thereto, the Board will revise and modify this Order in accordance with such more stringent standards.

12. Wastes discharged shall not contain any substances in concentrations toxic to human, animal, plant, or aquatic life.

13. Petroleum products, chemicals, and refuse and other wastes shall not be stored or placed where they will be picked up by rainfall and discharged to surface waters.

14. The waste discharge to watercourses or flood control channels shall not result in residual chlorine concentrations greater than 0.1 mg/l in the receiving waters at the point of discharge.

TENTATIVE

B. Provisions

1. This Order includes the following items of the attached "Standard Provisions": 1,2,4,5,6,7,8,9, and 11.

2. This Order includes the following items of the attached "Reporting Requirements": 1,5 and 8.

3. This Order includes the attached "General Monitoring and Reporting Provisions."

4. This Order expires on November 10, 1988, and the discharger must file a Report of Waste Discharge in accordance with Title 23, California Administrative Code, not later than 180 days in advance of such date as application for issuance of new waste discharge requirements.

5. A copy of these waste discharge specifications shall be maintained at the discharge facility so as to be available at all times to operating personnel.

6. In the event of any change in name, ownership, or control of these waste disposal facilities, the discharger shall notify this Board of such change and shall notify the succeeding owner or operator of the existence of this Order by letter, copy of which shall be forwarded to the Board.

7. Any discharge of wastes at any point(s) other than specifically described in this permit is prohibited, and constitutes a violation of the permit.

8. This order may be modified, or, alternatively, revoked and reissued, to comply with any applicable effluent limitation issued pursuant to the order the United States District Court for the District of Columbia issued on June 8, 1976, in Natural Resources Defense Council, Inc. et al. v. Russell E. Train, 8 ERC 2120 (D.D.C. 1976), if the effluent limitation so issued:

   (1) is different in conditions or more stringent than any effluent limitation in this order; or

   (2) controls any pollutant not limited in this order.

9. These requirements do not exempt the operator of this waste disposal facility from compliance with any other laws, regulations, or ordinances which may be applicable; they do not legalize this waste disposal facility, and they leave unaffected any further restraint on the disposal of wastes at this site which may be contained in other statutes or required by other agencies.

10. Order No. 78-53 adopted by this Board on May 22, 1978, is hereby rescinded.

TENTATIVE

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD CA 0003085

LOS ANGELES REGION

STANDARD PROVISIONS

TENTATIVE

1. The requirements prescribed herein do not authorize the commission of any act causing injury to the property of another, nor protect the discharger from his liabilities under federal, state, or local laws, nor guarantee the discharger a capacity right in the receiving waters.

2. The discharge of any radiological, chemical, or biological warfare agent or high level radiological waste is prohibited.

3. The discharger shall require any industrial user of the treatment works to comply with applicable service charges and toxic and pretreatment standards promulgated in accordance with Sections 204(b), 307, and 308 of the Federal Water Pollution Control Act or amendments thereto. The discharger shall require each individual user to submit periodic notice (over intervals not to exceed nine months) of progress toward compliance with applicable toxic and pretreatment standards developed pursuant to the Federal Water Pollution Control Act or amendments thereto. The discharger shall forward a copy of such notice to the Board and the Regional Administrator.

4. The discharger shall permit the Regional Board:

   (a) Entry upon premises in which an effluent source is located or in which any required records are kept;

   (b) Access to copy any records required to be kept under terms and conditions of this Order;

   (c) Inspection of monitoring equipment or records, and

   (d) Sampling of any discharge.

5. All discharges authorized by this Order shall be consistent with the terms and conditions of this Order. The discharge of any pollutant more frequently than or at a level in excess of that identified and authorized by this Order shall constitute a violation of the terms and conditions of this Order.

6. The discharger shall maintain in good working order and operate as efficiently as possible any facility or control system installed by the discharger to achieve compliance with the waste discharge requirements.

7. Collected screening, sludges, and other solids removed from liquid wastes shall be disposed of at a legal point of disposal, and in accordance with the provisions of Division 7.5 of the California Water Code. For the purpose of this requirement, a legal point of disposal is defined as one for which waste discharge requirements have been prescribed by a regional water quality control board and which is in full compliance therewith.

8. After notice and opportunity for a hearing, this Order may be terminated or modified for cause, including, but not limited to:

   (a) Violation of any term or condition contained in this Order;

   (b) Obtaining this Order by misrepresentation, or failure to disclose all relevant facts;

   (c) A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.

9. If a toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standards or prohibition) is established under Section 307(a) of the Federal Water Pollution Control Act, or amendments thereto, for a toxic pollutant which is present in the discharge authorized herein and such standard or prohibition is more stringent than any limitation upon such pollutant in this Order, the Board will revise or modify this Order in accordance with such toxic effluent standard or prohibition and so notify the discharger.

10. There shall be no discharge of harmful quantities of oil or hazardous substances, as specified by regulation adopted pursuant to Section 311 of the Federal Water Pollution Control Act, or amendments thereto.

11. In the event the discharger is unable to comply with any of the conditions of this Order due to:

   (a) breakdown of waste treatment equipment;

   (b) accidents caused by human error or negligence; or

   (c) other causes such as acts of nature,

   the discharger shall notify the Executive Officer by telephone as soon as he or his agents have knowledge of the incident and confirm this notification in writing within two weeks of the telephone notification. The written notification shall include pertinent information explaining reasons for the non-compliance and shall indicate what steps were taken to correct the problem and the dates thereof, and what steps are being taken to prevent the problem from recurring.

12. Supervisors and operators of publicly owned wastewater treatment plants shall possess a certificate of appropriate grade in accordance with regulations adopted by the State Water Resources Control Board.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD CA 0003085

LOS ANGELES REGION

TENTATIVE

REPORTING REQUIREMENTS

1. The discharger shall file with the Board technical reports on self-monitoring work performed according to the detailed specifications contained in any Monitoring and Reporting Programs as directed by the Executive Officer.

2. The discharger shall file a written report with the Board within 90 days after the average dry-weather waste flow for any month equals or exceeds 75 percent of the design capacity of his waste treatment and/or disposal facilities. The discharger's senior administrative officer shall sign a letter which transmits that report and certifies that the policy-making body is adequately informed about it. The report shall include:

   Average daily flow for the month, the date on which the instantantaneous peak flow occurred, the rate of that peak flow, and the total flow for that day.

   The discharger's best estimate of when the average daily dry-weather flow rate will equal or exceed the design capacity of his facilities.

   The discharger's intended schedule for studies, design, and other steps needed to provide additional capacity for his waste treatment and/or disposal facilities before the waste flow rate equals the capacity of present units. (Reference: Sections 13260, 13267(b), and 13268, California Water Code).

3. The discharger shall notify the Board not later than 120 days in advance of implementation of any plans to alter production capacity of the product line of the manufacturing, producing or processing facility by more than ten percent. Such notification shall include estimates of proposed production rate, the type of process, and projected effects on effluent quality. Notification shall include submittal of a new report of waste discharge and appropriate filing fee.

4. The discharger shall notify the Board of (a) new introduction into such works of pollutants from a source which would be a new source as defined in Section 306 of the Federal Water Pollution Control Act, or amendments thereto, if such source were discharging pollutants to the waters of the United States, (b) new introductions of pollutantsinto such works from a source which would be subject to Section 301 of the Federal Water Pollution Control Act, or amendments thereto, if substantial change in the volume or character of pollutants being introduced into such works by a source introducing pollutants into such works at the time the waste discharge requirements were adopted. Notice shall include a description of the quantity and quality of pollutants and the impact of such change on the substantial change in volume is considered an increase of ten percent in the mean dry-weather flow rate. The discharger shall forward a copy of such notice directly to the Regional Administrator.

5. The discharger shall file with the Board a report on waste discharge at least 120 days before making any material change or proposed change in the character, location or volume of the discharge.

6. This Board requires the discharger to file with the Board, within 90 days after the effective date of this Order, a technical report on his preventive (failsafe) and contingency (cleanup) plans for controlling accidental discharges, and for minimizing the effect of such events. The technical report should:

   Identify the possible sources of accidental loss, untreated waste bypass, and contaminated drainage. Loading and storage areas, power outage, waste treatment unit outage, and failure of process equipment, tanks and pipes should be considered.

   Evalulate the effectiveness of present facilities and procedures and state when they became operational.

   Describe facilities and procedures needed for effective preventive and contingency plans.

   Predict the effectiveness of the proposed facilities and procedures and provide an implementation schedule containing interim and final dates when they will be constructed, implemented, or operational. (Reference: Sections 13267(b) and 13268, California Water Code.

   This Board, after review of the technical report, may establish conditions which it deems necessary to control accidental discharges and to minimize the effects of such events. Such conditions may be incorporated as part of this Order, upon notice to the discharger.

7. The discharger shall submit to the Board, by January 30 of each year, an annual summary of the quantities of all chemicals, listed by both trade and chemical names, which are used for cooling and/or boiler water treatment and which are discharged.

8. The discharger shall submit to the Board, together with the first monitoring report required by this permit, a list of all chemicals and proprietary additives which could affect this waste discharge, including quantities of each. Any subsequent changes in types and/or quantities shall be reported promptly.

CA 0003085

TENTATIVE

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION

GENERAL MONITORING AND REPORTING PROVISIONS

GENERAL PROVISIONS FOR SAMPLING AND ANALYSIS

All sampling, sample preservation, and analyses shall be performed in accordance with the latest edition of "Guidelines Establishing Test Procedures for Analysis of Pollutants", promulgated by the United States Environmental Protection Agency.

All chemical, bacteriological, and bioassay analyses shall be conducted at a laboratory certified for such analyses by the State Department of Health.

Effluent samples shall be taken downstream of any addition to the treatment works and prior to mixing with the receiving waters.

The discharger shall calibrate and perform maintenance procedures on all monitoring instruments and equipment to insure accuracy of measurements, or shall insure that both activities will be conducted.

A grab sample is defined as an individual sample collected in fewer than 15 minutes.

A composite sample is defined as a combination of no fewer than eight individual samples obtained over the specified sampling period. The volume of each individual sample is proportional to the discharge flow rate at the time of sampling. The sampling period shall equal the discharge period, or 24 hours, whichever period is shorter.

GENERAL PROVISIONS FOR REPORTING

For every item where the requirements are not met, the discharger shall submit a statement of the actions undertaken or proposed which will bring the discharge into full compliance with requirements at the earliest time and submit a timetable for correction.

By January 30 of each year, the discharger shall submit an annual report to the Board. The report shall contain both tabular and graphical summaries of the monitoring data obtained during the previous year. In addition, the discharger shall discuss the compliance record and the corrective actions taken or planned which may be needed to bring the discharge into full compliance with the waste discharge requirements.

The discharger shall maintain all sampling and analytical results, including strip charts; date, exact place, and time of sampling; date analyses were performed; analyst's name; analytical techniques used; and results of all analyses. Such records shall be retained for a minimum of three years. This period of retention shall be extended during the course of any unresolved litigation regarding this discharge or when requested by the Board.

(Revised 8/1/75)

TENTATIVE

In reporting the monitoring data, the discharger shall arrange the data in tabular form so that the date, the constituents, and the concentrations are readily discernible. The data shall be summarized to demonstrate compliance with waste discharge requirements and, where applicable, shall include results of receiving water observations.

Monitoring reports shall be signed by:

a. In the case of corporations, by a principal executive officer at least of the level of vice-president or his duly authorized representative, if such representative is responsible for the overall operation of the facility from which discharge originates;

b. In the case of a partnership, by a general partner;

c. In the case of a sole proprietorship, by the proprietor;

d. In the case of municipal, state or other public facility, by either a principal executive officer, ranking elected official, or other duly authorized employee.

Each report shall contain the following completed declaration:

"I declare under penalty of perjury that the foregoing is true and correct.

Executed on the _____ day of _____ at _____.

_____(Signature)

_____(Title)"

The discharger shall mail a copy of each monitoring report to the following:

California Regional Water Quality
Control Board - Los Angeles Region
107 South Broadway, Room 4027
Los Angeles, CA 90012

ATTN: Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION
MONITORING AND REPORTING PROGRAM NO. 5422

FOR

AIR PRODUCTS AND CHEMICALS, INC.
(CA0003085)

The discharger shall implement this monitoring program on the effective date of this Order. The first monitoring report under this program is due by January 15, 1984.

Monitoring reports shall be submitted by the dates in the following schedule:

Reporting Period	Report Due
January - March	April 15
April - June	July 15
July - September	October 15
October - December	January 15

If no flow occurred during the quarter the report shall so state.

Each monitoring report must affirm in writing that:

> All analyses were conducted at a laboratory certified for such analyses by the State Department of Health and in accordance with current EPA guideline procedures or as specified in the Monitoring Program.

For any analysis performed for which no procedure is specified in the EPA guidelines or in this Monitoring Program, the constituent or parameter analyzed and the method or procedure used must be specified in the report.

Effluent Monitoring

A sampling station shall be established for each point of discharge and shall be located where representative samples of that effluent cab be obtained. The following shall constitute the effluent monitoring program:

Constituent	Units	Type of Sample	Minimum Frequency of Analysis
pH	pH units	grab	quarterly
Temperature	^{o}F or ^{o}C	grab	monthly
Total waste flow	gal/day	-----	monthly
Suspended solids	mg/l	grab	quarterly
Settleable solids	ml/l	grab	quarterly

TENTATIVE

Constituent	Units	Type of Sample	Minimum Frequency of Analysis
COD	lbs/day	grab	quarterly
Oil and grease	mg/l	grab	quarterly
Zinc*	mg/l	grab	quarterly

Receiving Water Monitoring

Receiving water sampling stations shall be established as following

RW 1 - 50 feet from the center of the outfall line in the direction of tidal flow at the time of sampling. If sampled at slack tide, this station shall be in the direction where the channel waters have been influenced by the discharge. Samples may be taken from the shore if representative.

RW 2- 250 feet from the center of the outfall line in the direction of tidal flow at the time of sampling. If sampled at slack tide, this station shall be in the direction where the channel waters have been influenced by the discharge. Samples may be taken from the shore if representative.

RW 3 - 250 feet from the center of the outfall line in the opposite direction of tidal flow at the time of sampling. If sampled at slack tide, this station shall be in the opposite direction where the channel waters have been influenced by the discharge. Samples may be taken from the shore if representative.

Receiving water samples shall be obtained during periods of discharge of cooling tower bleed-off. Samples shall be obtained within one foot of the surface.

The following shall constitute the receiving water monitoring program :

Constituent	Station	Units	Type of Sample	Minumum Frequency of Analysis
Residual chlorine	RW1,RW2,RW3	mg/l	grab	quarterly

TENTATIVE

* A statement that this constituent has not been added to the system may be submitted in lieu of analysis.

Demonstration of Compliance with 30-day Average Limitations

For parameters where both 30-day average and maximum limits are specified but where the monitoring frequency is less than four times a month, the following procedure shall apply. Future analyses of two successive samples yield results greater than 90 of the maximum limit for a parameter, the sampling frequency for that parameter shall be increased (within one week of receiving the laboratory result on the second sample) to a minimum of once weekly until at least four consecutive weekly samples have been obtained and compliance with the 30-day average limit has been demonstrated again and the discharger has set forth for the approval of the Executive Officer a program which ensures future compliance with the 30-day average limit.

Hauling Reports

In the event wastes are transported to a different disposal site during the reporting period, the following shall be reported.

a. Types of wastes and quantity of each type;

b. Name and either the address or the state registration number for each hauler of wastes (or the methods of transport of other than by hauling); and

c. Location of the final points of disposal for each type of waste.

If no wastes are hauled offsite during the reporting period, a statement to that effect shall be submitted.

Ordered by _____
Executive Officer

_____
Date

TENTATIVE

I-5385

STATE OF CALIFORNIA — GEORGE DEUKMEJIAN, *Governo*

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD—
LOS ANGELES REGION
107 SOUTH BROADWAY, SUITE 4027
LOS ANGELES, CALIFORNIA 90012-4596
(213) 620-4460

RECEIVED
DEC 01 1983
L.A. COUNTY ENGINEER

November 30, 1983

Air Products and Chemicals, Inc.
23320 Souty Alameda Street
Long Beach, CA 90810

Attn: Mr. R.L. Shadman, Plant Manager

RE: Waste Discharge Requirements (NPDES Permit No. CA0003085)

Gentlemen:

Reference is made to our letter dated October 18, 1983, which transmitted a draft of tentative requirements for your disposal of wastes to Dominguez Channel.

Pursuant to Division 7 of the California Water Code, this California Regional Water Quality Control Board, at a public hearing held on November 28, 1983, reviewed these tentative requirements, considered all factors in the case, and adopted Order No. 83-66 (copy attached) relative to this waste discharge. This Order serves as a permit under the National Pollutant Discharge Elimination System, and expires November 10, 1988. Please note that you must file an application for a new permit at least 180 days in advance of that date.

You are required to implement the new monitoring program as stated in the Monitoring and Reporting Program on the effective date of this Order. Please note that ny monitoring report due under your previous Monitoring and Reporting Program is still required and must be submitted by the due date. Please reference all technical and monitoring reports to our Compliance File No. 5422. We would appreciate it if you would not combine other reports, such as progress or technical reports, with your monitoring reports but would submit each type of report as a separate document.

Very truly yours,

JESSE M. DIAZ
Acting Executive Officer

cc: See attached mailing list

Enclosures

Air Products and Chemical, Inc.

cc: Environmental Protection Agency, Region IX, Attn: Permits Branch
U.S. Army Corps of Engineers
State Water Resources Control Board, Div. of Technical Services
Attn: Ed Anton
Department of Fish and Game, Marine Resources Region
Department of Health Services, Sanitary Engineering Section
Department of Water Resources
Los Angeles County, Department of Health Services
Los Angeles County Flood Control District
Los Angeles County Engineer-Facilities
NOAA, National Marine Fisheries Service
City of Carson

State of California
Resources Agency
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD, LOS ANGELES REGION

ORDER NO. 83-66

NPDES NO. CA0003085

WASTE DISCHARGE REQUIREMENTS FOR AIR PRODUCTS AND CHEMICALS, INC.

The California Regional Water Quality Control Board, Los Angeles Region, finds:

1. Air Products and Chemicals, Inc. discharges wastes under waste discharge requirements contained in Order 78-53 (NPDES No. CA0003085) adopted by this Board on May 22, 1978.

2. Air Products and Chemicals, Inc. has filed a report of waste discharge and has applied for renewal of its waste discharge requirements and National Pollutant Discharge Elimination System permit.

3. Air Products and Chemicals, Inc. operates a liquid hydrogen production plant at 23320 South Alameda Street, Carson, California, and discharges up to 50,000 gallons per day of cooling tower bleed-off, boiler blowdown, and wash water from concrete-paved operating areas directly into Dominguez Channel, a water of the United States, at a point about 1,500 feet downstream from Alameda Street, within the tidal prism.

4. The Board adopted a revised Water Quality Control Plan for Los Angeles River Basin on March 27, 1978. The Plan contains water quality objectives for Dominguez Channel. The requirements contained in this Order as they are met will be in conformance with the goals of Water Quality Control Plan.

5. The beneficial uses of the receiving waters are non-contact recreation, preservation of rare and endangered species, marine habitat and saline water habitat.

6. Effluent limitation standards established pursuant to Section 301 of the Federal Water Pollution Control Act and amendments thereto are applicable to the discharge.

7. The issuance of waste discharge requirements for this discharge is exempt from the provisions of Chapter 3 (commencing with Section 21100) of the Division 13, of the Public Resources Code in accordance with Water Code Section 13389.

Revised 10/17/83
6/23/83

The Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for this discharge and has provided them with an opportunity to submit their written views and recommendations.

The Board in a public hearing heard and considered all comments pertaining to the discharge and to the tentative requirements.

This Order shall serve as a National Pollutant Discharge Elimination System permit pursuant to Section 402 of the Federal Water Pollution Control Act, or amendments thereto, and shall take effect at the end of ten days from the date of its adoption, provided the Regional Administrator, EPA, has no objections.

IT IS HEREBY ORDERED, that Air Products and Chemicals, Inc.,

in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder, and the provisions of the Federal Water Pollution Control Act and regulations and guidelines adopted thereunder, shall comply with the following:

A. Effluent Limitations

1. The discharge of an effluent in excess of the following limits is prohibited:

		Discharge Limitations	
Constituent	Unit	30-Day Average	Maximum
Suspended solids	mg/l	50	150
	lbs/day*	20.85	62.6
Settleable solids	ml/l	0.1	0.3
COD			
	lbs/day*	30.0	30.0
Oil and grease	mg/l	10	15
	lbs/day*	4.17	6.26

*Based on discharge flow of 50,000 gallons per day.

3. The daily discharge rate shall be obtained from the following calculation for any calendar day:

$$\text{Daily discharge rate} = \frac{8.34}{N} \sum_{1}^{N} Q_i C_i$$

in which N is the number of samples analyzed in any calendar day. Q_i and C_i are the flow rate (MGD) and the constituent concentration (mg/l) respectively, which are associated with each of the N grab samples which may be taken in any calendar day. If a composite sample is taken, C_i is the concentration measured in the composite sample and Q_i is the average flow rate occurring during the period over which samples are composited.

4. The 30-day average shall be the arithmetic average of all the daily values calculated using the results of analyses of all samples collected during any 30 consecutive calendar day period. If fewer than four samples are collected and analyzed during any 30 consecutive calendar day period, compliance with the 30-day average limitation shall not be determined.

5. The pH of wastes discharged shall at all times be within the range 6.0 to 9.0.

6. The temperature of wastes discharged shall not exceed 100°F.

7. Wastes discharged shall not contain visible oil or grease, and shall not cause the appearance of grease, oil or oily slick, or persistent foam in the receiving waters or on channel banks, walls, inverts or other structures.

8. Wastes discharged shall not cause the formation of sludge deposits.

9. Neither the disposal nor any handling of waste shall cause pollution or nuisance.

10. Wastes discharged shall not damage flood control structures or facilities.

11. This discharge shall not cause a violation of any applicable water quality standard for receiving waters adopted by the Regional Board or the State Water Resources Control Board as required by the Federal Water Pollution Control Act and regulations adopted thereunder. If more stringent applicable water quality standards are promulgated or approved pursuant to Section 303 of the Federal Water Pollution Control Act, or amendments thereto, the Board will revise and modify this Order in accordance with such more stringent standards.

12. Wastes discharged shall not contain any substances in concentrations toxic to human, animal, plant, or aquatic life.

13. Petroleum products, chemicals, and refuse and other wastes shall not be stored or placed where they will be picked up by rainfall and discharged to surface waters.

14. The waste discharge to watercourses or flood control channels shall not result in residual chlorine concentrations greater than 0.1 mg/l in the receiving waters at the point of discharge.

B. Provisions

1. This Order includes the following items of the attached "Standard Provisions": 1,2,4,5,6,7,8,9, and 11.

2. This Order includes the following items of the attached "Reporting Requirements": 1,5 and 8.

3. This Order includes the attached "General Monitoring and Reporting Provisions."

4. This Order expires on November 10, 1988, and the discharger must file a Report of Waste Discharge in accordance with Title 23, California Administrative Code, not later than 180 days in advance of such date as application for issuance of new waste discharge requirements.

5. A copy of these waste discharge specifications shall be maintained at the discharge facility so as to be available at all times to operating personnel.

6. In the event of any change in name, ownership, or control of these waste disposal facilities, the discharger shall notify this Board of such change and shall notify the succeeding owner or operator of the existence of this Order by letter, copy of which shall be forwarded to the Board.

7. Any discharge of wastes at any point(s) other than specifically described in this permit is prohibited, and constitutes a violation of the permit.

8. This order may be modified, or, alternatively, revoked and reissued, to comply with any applicable effluent limitation issued pursuant to the order the United States District Court for the District of Columbia issued on June 8, 1976, in Natural Resources Defense Council, Inc. et al. v. Russell E. Train, 8 ERC 2120 (D.D.C. 1976), if the effluent limitation so issued:

   (1) is different in conditions or more stringent than any effluent limitation in this order; or

   (2) controls any pollutant not limited in this order.

9. These requirements do not exempt the operator of this waste disposal facility from compliance with any other laws, regulations, or ordinances which may be applicable; they do not legalize this waste disposal facility, and they leave unaffected any further restraint on the disposal of wastes at this site which may be contained in other statutes or required by other agencies.

10. Order No. 78-53 adopted by this Board on May 22, 1978, is hereby rescinded.

I, Jesse M. Diaz, Acting Executive Officer, do hereby certify that the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, Los Angeles, on November 28, 1983.

JESSE M. DIAZ, Acting Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

LOS ANGELES REGION

STANDARD PROVISIONS CA 0003085

1. The requirements prescribed herein do not authorize the commission of any act causing injury to the property of another, nor protect the discharger from his liabilities under federal, state, or local laws, nor guarantee the discharger a capacity right in the receiving waters.

2. The discharge of any radiological, chemical, or biological warfare agent or high level radiological waste is prohibited.

3. The discharger shall require any industrial user of the treatment works to comply with applicable service charges and toxic and pretreatment standards promulgated in accordance with Sections 204(b), 307, and 308 of the Federal Water Pollution Control Act or amendments thereto. The discharger shall require each individual user to submit periodic notice (over intervals not to exceed nine months) of progress toward compliance with applicable toxic and pretreatment standards developed pursuant to the Federal Water Pollution Control Act or amendments thereto. The discharger shall forward a copy of such notice to the Board and the Regional Administrator.

4. The discharger shall permit the Regional Board:

   (a) Entry upon premises in which an effluent source is located or in which any required records are kept;

   (b) Access to copy any records required to be kept under terms and conditions of this Order;

   (c) Inspection of monitoring equipment or records, and

   (d) Sampling of any discharge.

5. All discharges authorized by this Order shall be consistent with the terms and conditions of this Order. The discharge of any pollutant more frequently than or at a level in excess of that identified and authorized by this Order shall constitute a violation of the terms and conditions of this Order.

6. The discharger shall maintain in good working order and operate as efficiently as possible any facility or control system installed by the discharger to achieve compliance with the waste discharge requirements.

7. Collected screening, sludges, and other solids removed from liquid wastes shall be disposed of at a legal point of disposal, and in accordance with the provisions of Division 7.5 of the California Water Code. For the purpose of this requirement, a legal point of disposal is defined as one for which waste discharge requirements have been prescribed by a regional water quality control board and which is in full compliance therewith.

8. After notice and opportunity for a hearing, this Order may be terminated or modified for cause, including, but not limited to:

   (a) Violation of any term or condition contained in this Order;

   (b) Obtaining this Order by misrepresentation, or failure to disclose all relevant facts;

   (c) A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.

9. If a toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standards or prohibition) is established under Section 307(a) of the Federal Water Pollution Control Act, or amendments thereto, for a toxic pollutant which is present in the discharge authorized herein and such standard or prohibition is more stringent than any limitation upon such pollutant in this Order, the Board will revise or modify this Order in accordance with such toxic effluent standard or prohibition and so notify the discharger.

10. There shall be no discharge of harmful quantities of oil or hazardous substances, as specified by regulation adopted pursuant to Section 311 of the Federal Water Pollution Control Act, or amendments thereto.

11. In the event the discharger is unable to comply with any of the conditions of this Order due to:

   (a) breakdown of waste treatment equipment;

   (b) accidents caused by human error or negligence; or

   (c) other causes such as acts of nature,

   the discharger shall notify the Executive Officer by telephone as soon as he or his agents have knowledge of the incident and confirm this notification in writing within two weeks of the telephone notification. The written notification shall include pertinent information explaining reasons for the non-compliance and shall indicate what steps were taken to correct the problem and the dates thereof, and what steps are being taken to prevent the problem from recurring.

12. Supervisors and operators of publicly owned wastewater treatment plants shall possess a certificate of appropriate grade in accordance with regulations adopted by the State Water Resources Control Board.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

LOS ANGELES REGION

CA 0003085

REPORTING REQUIREMENTS

1. The discharger shall file with the Board technical reports on self-monitoring work performed according to the detailed specifications contained in any Monitoring and Reporting Programs as directed by the Executive Officer.

2. The discharger shall file a written report with the Board within 90 days after the average dry-weather waste flow for any month equals or exceeds 75 percent of the design capacity of his waste treatment and/or disposal facilities. The discharger's senior administrative officer shall sign a letter which transmits that report and certifies that the policy-making body is adequately informed about it. The report shall include:

   Average daily flow for the month, the date on which the instantantaneous peak flow occurred, the rate of that peak flow, and the total flow for that day.

   The discharger's best estimate of when the average daily dry-weather flow rate will equal or exceed the design capacity of his facilities.

   The discharger's intended schedule for studies, design, and other steps needed to provide additional capacity for his waste treatment and/or disposal facilities before the waste flow rate equals the capacity of present units. (Reference: Sections 13260, 13267(b), and 13268, California Water Code).

3. The discharger shall notify the Board not later than 120 days in advance of implementation of any plans to alter production capacity of the product line of the manufacturing, producing or processing facility by more than ten percent. Such notification shall include estimates of proposed production rate, the type of process, and projected effects on effluent quality. Notification shall include submittal of a new report of waste discharge and appropriate filing fee.

4. The discharger shall notify the Board of (a) new introduction into such works of pollutants from a source which would be a new source as defined in Section 306 of the Federal Water Pollution Control Act, or amendments thereto, if such source were discharging pollutants to the waters of the United States, (b) new introductions of pollutantsinto such works from a source which would be subject to Section 301 of the Federal Water Pollution Control Act, or amendments thereto, if substantial change in the volume or character of pollutants being introduced into such works by a source introducing pollutants into such works at the time the waste discharge requirements were adopted. Notice shall include a description of the quantity and quality of pollutants and the impact of such change on the substantial change in volume is considered an increase of ten percent in the mean dry-weather flow rate. The discharger shall forward a copy of such notice directly to the Regional Administrator.

5. The discharger shall file with the Board a report on waste discharge at least 120 days before making any material change or proposed change in the character, location or volume of the discharge.

6. This Board requires the discharger to file with the Board, within 90 days after the effective date of this Order, a technical report on his preventive (failsafe) and contingency (cleanup) plans for controlling accidental discharges, and for minimizing the effect of such events. The technical report should:

   Identify the possible sources of accidental loss, untreated waste bypass, and contaminated drainage. Loading and storage areas, power outage, waste treatment unit outage, and failure of process equipment, tanks and pipes should be considered.

   Evalulate the effectiveness of present facilities and procedures and state when they became operational.

   Describe facilities and procedures needed for effective preventive and contingency plans.

   Predict the effectiveness of the proposed facilities and procedures and provide an implementation schedule containing interim and final dates when they will be constructed, implemented, or operational. (Reference: Sections 13267(b) and 13268, California Water Code.

   This Board, after review of the technical report, may establish conditions which it deems necessary to control accidental discharges and to minimize the effects of such events. Such conditions may be incorporated as part of this Order, upon notice to the discharger.

7. The discharger shall submit to the Board, by January 30 of each year, an annual summary of the quantities of all chemicals, listed by both trade and chemical names, which are used for cooling and/or boiler water treatment and which are discharged.

8. The discharger shall submit to the Board, together with the first monitoring report required by this permit, a list of all chemicals and proprietary additives which could affect this waste discharge, including quantities of each. Any subsequent changes in types and/or quantities shall be reported promptly.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION

GENERAL MONITORING AND REPORTING PROVISIONS CA 0003085

GENERAL PROVISIONS FOR SAMPLING AND ANALYSIS

All sampling, sample preservation, and analyses shall be performed in accordance with the latest edition of "Guidelines Establishing Test Procedures for Analysis of Pollutants", promulgated by the United States Environmental Protection Agency.

All chemical, bacteriological, and bioassay analyses shall be conducted at a laboratory certified for such analyses by the State Department of Health.

Effluent samples shall be taken downstream of any addition to the treatment works and prior to mixing with the receiving waters.

The discharger shall calibrate and perform maintenance procedures on all monitoring instruments and equipment to insure accuracy of measurements, or shall insure that both activities will be conducted.

A grab sample is defined as an individual sample collected in fewer than 15 minutes.

A composite sample is defined as a combination of no fewer than eight individual samples obtained over the specified sampling period. The volume of each individual sample is proportional to the discharge flow rate at the time of sampling. The sampling period shall equal the discharge period, or 24 hours, whichever period is shorter.

GENERAL PROVISIONS FOR REPORTING

For every item where the requirements are not met, the discharger shall submit a statement of the actions undertaken or proposed which will bring the discharge into full compliance with requirements at the earliest time and submit a timetable for correction.

By January 30 of each year, the discharger shall submit an annual report to the Board. The report shall contain both tabular and graphical summaries of the monitoring data obtained during the previous year. In addition, the discharger shall discuss the compliance record and the corrective actions taken or planned which may be needed to bring the discharge into full compliance with the waste discharge requirements.

The discharger shall maintain all sampling and analytical results, including strip charts; date, exact place, and time of sampling; date analyses were performed; analyst's name, analytical techniques used; and results of all analyses. Such records shall be retained for a minimum of three years. This period of retention shall be extended during the course of any unresolved litigation regarding this discharge or when requested by the Board.

(Revised 9/19/77)

In reporting the monitoring data, the discharger shall arrange the data in tabular form so that the date, the constituents, and the concentrations are readily discernible. The data shall be summarized to demonstrate compliance with waste discharge requirements and, where applicable, shall include results of receiving water observations.

Monitoring reports shall be signed by:

a. In the case of corporations, by a principal executive officer at least of the level of vice-president or his duly authorized representative, if such representative is responsible for the overall operation of the facility from which discharge originates;

b. In the case of a partnership, by a general partner;

c. In the case of a sole proprietorship, by the proprietor;

d. In the case of municipal, state or other public facility, by either a principal executive officer, ranking elected official, or other duly authorized employee.

Each report shall contain the following completed declaration:

"I declare under penalty of perjury that the foregoing is true and correct.

Executed on the _____ day of _____ at _____.

_____(Signature)

_____(Title)"

The discharger shall mail a copy of each monitoring report to the following:

California Regional Water Quality
Control Board - Los Angeles Region
107 South Broadway, Room 4027
Los Angeles, CA 90012

ATTN: Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION
MONITORING AND REPORTING PROGRAM NO. 5422

FOR

AIR PRODUCTS AND CHEMICALS, INC.
(CA0003085)

The discharger shall implement this monitoring program on the effective date of this Order. The first monitoring report under this program is due by January 15, 1984.

Monitoring reports shall be submitted by the dates in the following schedule:

Reporting Period	Report Due
January - March	April 15
April - June	July 15
July - September	October 15
October - December	January 15

If no flow occurred during the quarter the report shall so state.

Each monitoring report must affirm in writing that:

> All analyses were conducted at a laboratory certified for such analyses by the State Department of Health and in accordance with current EPA guideline procedures or as specified in the Monitoring Program.

For any analysis performed for which no procedure is specified in the EPA guidelines or in this Monitoring Program, the constituent or parameter analyzed and the method or procedure used must be specified in the report.

Effluent Monitoring

A sampling station shall be established for each point of discharge and shall be located where representative samples of that effluent cab be obtained. The following shall constitute the effluent monitoring program:

Constituent	Units	Type of Sample	Minimum Frequency of Analysis
pH	pH units	grab	quarterly
Temperature	^{o}F or ^{o}C	grab	monthly
Total waste flow	gal/day	-----	monthly
Suspended solids	mg/l	grab	quarterly
Settleable solids	ml/l	grab	quarterly

Constituent	Units	Type of Sample	Minimum Frequency of Analysis
COD	lbs/day	grab	quarterly
Oil and grease	mg/l	grab	quarterly
Zinc*	mg/l	grab	quarterly

Receiving Water Monitoring

Receiving water sampling stations shall be established as following

RW 1 - 50 feet from the center of the outfall line in the direction of tidal flow at the time of sampling. If sampled at slack tide, this station shall be in the direction where the channel waters have been influenced by the discharge. Samples may be taken from the shore if representative.

RW 2- 250 feet from the center of the outfall line in the direction of tidal flow at the time of sampling. If sampled at slack tide, this station shall be in the direction where the channel waters have been influenced by the discharge. Samples may be taken from the shore if representative.

RW 3 - 250 feet from the center of the outfall line in the opposite direction of tidal flow at the time of sampling. If sampled at slack tide, this station shall be in the opposite direction where the channel waters have been influenced by the discharge. Samples may be taken from the shore if representative.

Receiving water samples shall be obtained during periods of discharge of cooling tower bleed-off. Samples shall be obtained within one foot of the surface.

The following shall constitute the receiving water monitoring program :

Constituent	Station	Units	Type of Sample	Minumum Frequency of Analysis
Residual chlorine	RW1,RW2,RW3	mg/l	grab	quarterly

* A statement that this constituent has not been added to the system may be submitted in lieu of analysis.

Demonstration of Compliance with 30-day Average Limitations

For parameters where both 30-day average and maximum limits are specified but where the monitoring frequency is less than four times a month, the following procedure shall apply. Future analyses of two successive samples yield results greater than 90% of the maximum limit for a parameter, the sampling frequency for that parameter shall be increased (within one week of receiving the laboratory result on the second sample) to a minimum of once weekly until at least four consecutive weekly samples have been obtained and compliance with the 30-day average limit has been demonstrated again and the discharger has set forth for the approval of the Executive Officer a program which ensures future compliance with the 30-day average limit.

Hauling Reports

In the event wastes are transported to a different disposal site during the reporting period, the following shall be reported.

a. Types of wastes and quantity of each type;

b. Name and either the address or the state registration number for each hauler of wastes (or the methods of transport of other than by hauling); and

c. Location of the final points of disposal for each type of waste.

If no wastes are hauled offsite during the reporting period, a statement to that effect shall be submitted.

Ordered by _____
Acting Executive Officer

November 28, 1983
Date

COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS

900 SOUTH FREMONT AVENUE
ALHAMBRA, CALIFORNIA 91803-1331
Telephone: (626) 458-5100

HARRY W. STONE, Director

ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 1460
ALHAMBRA, CALIFORNIA 91802-1460

IN REPLY PLEASE
REFER TO FILE: EP-1
005186-I05385

May 3, 1999

Mr. Paul Buelow
Air Products Mfg. Corp.
23320 S. Alameda St.
Carson, CA 90810

Dear Mr. Buelow:

GROUNDWATER PROTECTION PROGRAM
AIR PRODUCTS MFG. CORP.
23320 S. ALAMEDA ST., CARSON

In order to increase awareness of groundwater pollution problems in Los Angeles County, the Los Angeles County Department of Public Works (LACDPW) is working in conjunction with the United States Environmental Protection Agency (USEPA), to develop a site specific groundwater protection program. The program will apply to all commercial and industrial facilities which discharge, deposit, or dispose of industrial wastewater into the ground or private disposal systems, such as a leach field.

The role of LACDPW will be the investigation of such facilities and may result in required permitting, monitoring and/or closure of certain facilities. The objective of this program is the elimination of facilities which may be a source of pollutants in groundwater supplies. In addition, the LACDPW is implementing an educational program for operators to become familiar with Best Management Practices (BMP), aimed at protecting groundwater.

Enclosed is a series of informational brochures regarding proper handling of waste material at your facility. As part of this program, LACDPW is forwarding these brochures to you in order to increase environmental awareness and provide information which may be useful in your everyday activities.

We appreciate the opportunity to provide you with the enclosed information.

Should you have any questions regarding this matter please contact Ms. Nardy Drew of this office at (626) 458-3511, Monday through Thursday, from 7:00 a.m. to 5:30 p.m.

Very truly your,

HARRY W. STONE

CARL W. SJOBERG
Chief, Industrial Waste Planning & Control
Environmental Programs Division

HT:nh
MIC11\GPP39

L.A. COUNTY DPW HAZARDOUS MATERIALS SYSTEM REPORT: HMR050.001

DATE COMPILED: 10/06/98 IW INSPECTION JOB ORDER INSP#: I000253178

RUN DATE: 04/08/99 16:25:43 STORMWATER PC INSPECTION, NON- ASSC#: P000003113

PAGE: 1

FILE #: 005186-I05385 NAME: AIR PRODUCTS MFG CORP
ADD: 23320 S ALAMEDA ST
CARSON, CA 90810 AREA: 22 SMD: 95
XSTREET: SEPULVEDA THOMAS GUIDE: 0794-H2
CONTACT: ~~PAUL BUELOW~~ ART LEON PLANT MANAGER TEL: 310 518 0430

PROC: STORMWATER SAMPLE REQUIRED? N SAMPLE #: _____

INSP INFO: COOLING WATER FROM BUM UNIT OUTSIDE, EAST OF OFFICE BUILDING.

PERM TYPE: I 03 OPERATING PERMIT-OFFSITE-SURFA STATUS: PERMITTED
JURIS: C LOCAL ORDINANCE/CSDLAC EXEMPT
INDUSTRY: 127 NO METALS/CHEMICALS, NEC
FACILITY: 8B OTHER NON-STANDARD FACILITY
SIC: 5161 CHEMICALS & ALLIED PRODUCTS
RDS: RDS AREA: SQ FT

	FREQUENCY	LAST PERFORMED	NEXT DUE
INSPECTION	12	05/01/98	04/15/00
SAMPLE	00		
SELF-MONITOR	03	03/25/99	07/01/99

ASSGN TO: CENTINELA VALLEY FIELD OFFICE SECT: FIELD INSPECTION UNIT

==========

RESULTS: SURROUNDING AREA IS IN A CLEAN STATE.

REMARKS: 0.5 HR

INSPECTOR: _____ INSPECTION DATE: 6/7/99

DISP: _____

COUNTY OF LOS ANGELES • DEPARTMENT OF PUBLIC WORKS
ENVIRONMENTAL PROGRAMS DIVISION
Storm Water Facility Inspection/Site Visit Report Form

Site/File 005186-I05385
Date 6/8/99
Inspection Work Order (I) 253178

☑ First Inspection ☐ Routine Inspection ☐ Response to Complaint ☐ Facility has closed or new Facility Information (see attached)

Facility Name: ARL PRODUCTS MFG. Site Address: 23320 S. ALAMEDA (R/C) Code: 22

Contact Name: ARL LEON Phone (310) 518-0430 Business Type/Activity: CHEMICALS & ALLIED PRODUCTS SIC: 5161

Is the facility within the County unincorporated area? ☐ Yes ☑ No City: CARSON

Is the facility covered under any other permits? (Check all that apply) ☐ None ☑ Industrial Waste
☐ Air Quality ☑ Hazmat business plan ☐ Underground Storage Tanks ☑ Aboveground storage tanks
☑ Fire Dept. (Storage) ☑ Hazardous waste generator ☐ Other:

Is the facility covered under a storm water permit? ☐ Does not need coverage ☐ No, but may need to (Refer to Regional Board)
☐ Individual NPDES ☑ General (filed NOI) Does the facility have a SWPPP? ☐ Yes ☑ No

ACTIVITIES ASSESSMENT CHECKLIST

ACTIVITIES - Check each activity present at the site and evaluate its **potential (PPD)** for pollutant discharge: 1 = low potential, 2 = medium potential, 3 = high potential **→ Circled BMPs require your immediate attention - see back of this report.**	APPLICABLE ACTIVITY Yes	No	PPD	EFFECTIVENESS RATING*	
A. MINIMUM BMPs - APPLICABLE TO ALL FACILITIES BMPs employed: 2,	[✓]	[ ]	[1]	① ② ③ ④ ●	
B. VEHICLE AND EQUIPMENT FUELING BMPs employed:	[ ]	[✓]	[ ]	① ② ③ ④ ⑤	
C. VEHICLE AND EQUIPMENT WASHING/STEAM CLEANING BMPs employed:	[ ]	[✓]	[ ]	① ② ③ ④ ⑤	
D. VEHICLE AND EQUIPMENT MAINTENANCE AND REPAIR BMPs employed:	[ ]	[✓]	[ ]	① ② ③ ④ ⑤	
E. OUTDOOR LOADING/UNLOADING OF MATERIALS BMPs employed: 3	[✓]	[ ]	[1]	① ② ③ ④ ●	
F. OUTDOOR PROCESS EQUIPMENT OPERATIONS AND MAINTENANCE BMPs employed:	[ ]	[✓]	[ ]	① ② ③ ④ ⑤	
G. OUTDOOR STORAGE OF RAW MATERIALS/PRODUCTS/CONTAINERS BMPs employed: 2, 5	[✓]	[ ]	[1]	① ② ③ ④ ●	
H. WASTE HANDLING AND DISPOSAL BMPs employed: 4, 5, 7, 8, 9	[✓]	[ ]	[1]	① ② ③ ④ ●	
I. CONTAMINATED OR ERODIBLE SURFACE AREAS BMPs employed:	[ ]	[✓]	[ ]	① ② ③ ④ ⑤	
J. BUILDING AND GROUNDS MAINTENANCE BMPs employed: 4	[✓]	[ ]	[1]	① ② ③ ④ ●	
K. ROOFTOP EQUIPMENT BMPs employed:	[ ]	[✓]	[ ]	① ② ③ ④ ⑤	
L. OUTDOOR DRAINAGE FROM INDOOR AREAS BMPs employed:	[ ]	[✓]	[ ]	① ② ③ ④ ⑤	
M. OTHER (describe):	[ ]	[ ]	[ ]	① ② ③ ④ ⑤	

*① **No BMPs used and stormwater pollution likely** ② **Some BMPs used but not effective** ③ **Some BMPs used and moderately effective**
④ **Source control BMPs used and very effective/structural BMPs needed** ⑤ **All necessary BMPs used and very effective**

This report is **not a citation.** It is furnished to the facility representative to assist in designing and evaluating Best Management Practices to prevent the runoff of pollutants to the storm drainage system. A reinspection of your facility (☐ is required)(☐ is not required) to review correction of deficiencies noted above. Please call ( ) _____ by _____ between 8:00 a.m. to 9:30 a.m. to arrange for a reinspection.

Facility Representative Signature: _____ Date: 6/09/99

Print name of Facility Representative: ARL LEON Inspector: W. Davis

EPD/insbmp.1 - 3/99

LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS
900 SOUTH FREMONT AVENUE
ALHAMBRA, CALIFORNIA 91803-1331

TELECOPY COVER SHEET

DATE: 8/8/00
TIME: _____

TO:

Name: Ms. Ginger Patrick
Agency: Air Product & Chemical Inc
Telephone Number: (610) 481-3354
Telecopier Number: (610) 481-6186

FROM:

Name: Chris Chang
Division: ENVIRONMENTAL PROGRAMS
Telephone Number: (626) 458-3538
Telecopier Number: (626) 458-3569

NUMBER OF PAGES (including cover sheet) 5

REMARKS: I attached a copy of site survey, most recent inspection report, and site plans. All the drains are in the Lab & Maintenance Bldg. All the drains and septic tank shall be properly closed. Bleed off water from cooling tower was discharging to Domingues Channel.
If you have any questions, pls call me.

INDUSTRIAL WASTE SURVEY

City _____ I. File No. 53 85-20

S.M.D. No. _____ Permit No. P.I.P.

Firm Name: Air Products and Chemicals Inc.

Address: 23320 S. Alameda Tel. No. 835-0106

between 223rd st and Sepulveda Blvd.

Contact Name Don Reamer Title: Process Supt.

Business and Processes: Mfg. liquid hydrogen - Feed stock formerly a waste gas from Richfield Refinery, contains 80 to 90% hydrogen with other gasses. This is first passed through a light oil, stripping benzine & aromatics. (No waste) Hydrogen gas is pressurized to 1500 PSI. liquified and then hauled to govt. missle programs. Benzines & aromatics pass through a caustic stripper creating a sodium carbonate wash to channel. This and cooling tower blowoff approx 10G P.M. to channel. Wash to [redacted] Incidental wastes used in [redacted] analysis: 15 gallons daily plus domestic

TYPE AND QUANTITY I.W.: Wastes hauled: 6866 lb. every 2 months spent cat. hauled by Coast Tank Serv. to Stringfellow quarry - Riverside.

WASTE DISPOSAL:

Sewer: S.M.D. _____ San Dist. _____ Volume 1594 l day

Surface Drainage To Dom. channel Cooling Water Blowoff to channel Uncontaminated none

underGround [redacted] to Septic tank then to seepage pits

Other _____

PRETREATMENT FACILITIES:

Location _____

Trap: Standard none Non Standard none

Other: 2 sinks in lab, 6 floor drains, one floor sink

REQUIREMENTS AND DATA:

Inspection yes Frequency monthly Permit P.I.P.

New Industry yes Resurvey _____ T.C. Requested yes

Classification I-03 Method of Disposal Sept. tank seepage pits Dominguez channel

REMARKS AND RECOMMENDATIONS:

Present I.W. facilities are adequate.

I.W. approval of plans by R. Quintana 3-29-62

This will be included in our periodic inspection schedule.

Survey by: L. Davis Date: 3-5-63

.A. COUNTY DPW HAZARDOUS MATERIALS SYSTEM REPORT: HMR050.001

ATE COMPILED: 10/06/98 IW INSPECTION JOB ORDER INSP#: I000253178

UN DATE: 04/08/99 16:25:43 STORMWATER PC INSPECTION, NON- ASSC#: P000003113

PAGE: 1

FILE #: 005186-I05385 NAME: AIR PRODUCTS MFG CORP
ADD: 23320 S ALAMEDA ST
CARSON, CA 90810 AREA: 22 SMD: 95
XSTREET: SEPULVEDA THOMAS GUIDE: 0794-H2
CONTACT: ~~PAUL BUELOW~~ ART LEON PLANT MANAGER TEL: 310 518 0430

PROC: STORMWATER SAMPLE REQUIRED? N SAMPLE #: _____

NSP INFO: COOLING WATER FROM BUM UNIT OUTSIDE, EAST OF OFFICE BUILDING.

ERM TYPE: I 03 OPERATING PERMIT-OFFSITE-SURFA STATUS: PERMITTED
JURIS: C LOCAL ORDINANCE/CSDLAC EXEMPT
INDUSTRY: 127 NO METALS/CHEMICALS, NEC
FACILITY: 8B OTHER NON-STANDARD FACILITY
SIC: 5161 CHEMICALS & ALLIED PRODUCTS
RDS: RDS AREA: SQ FT

	FREQUENCY	LAST PERFORMED	NEXT DUE
INSPECTION	12	05/01/98	04/15/00
SAMPLE	00		
SELF-MONITOR	03	03/25/99	07/01/99

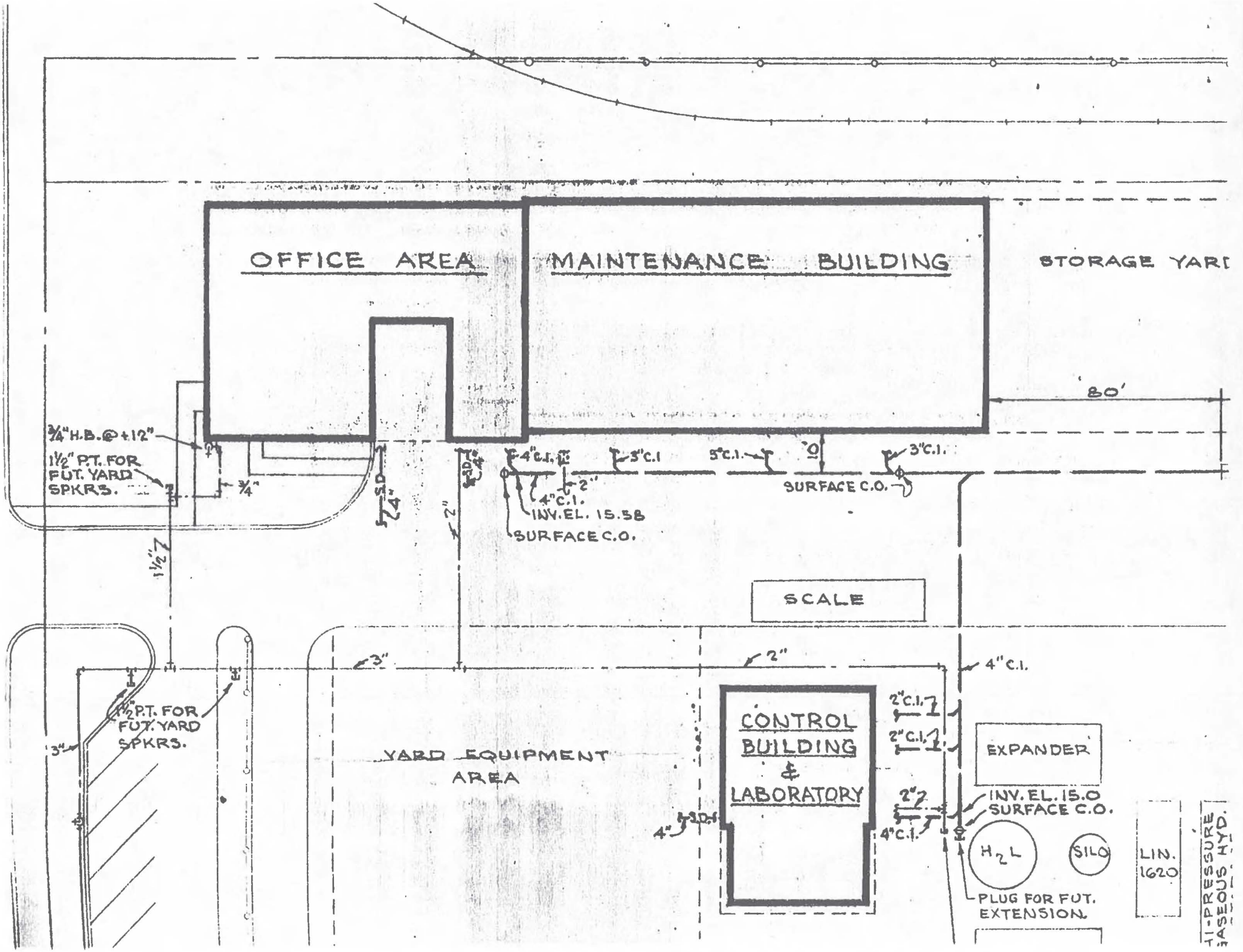
ASSGN TO: CENTINELA VALLEY FIELD OFFICE SECT: FIELD INSPECTION UNIT

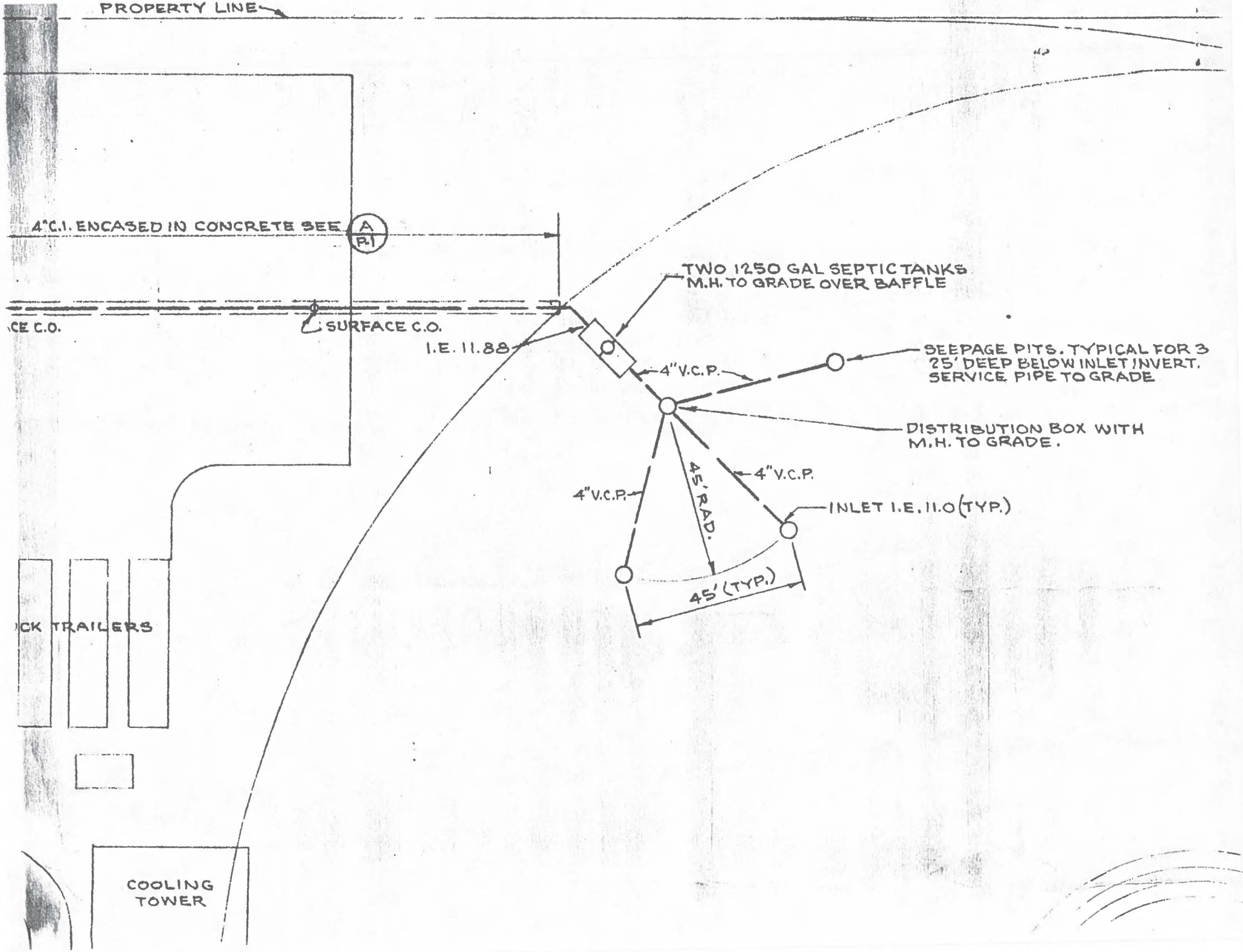
RESULTS: SURROUNDING AREA IS IN A CLEAN STATE.

REMARKS: 0.5 HR

INSPECTOR: _____ INSPECTION DATE: 6/9/99

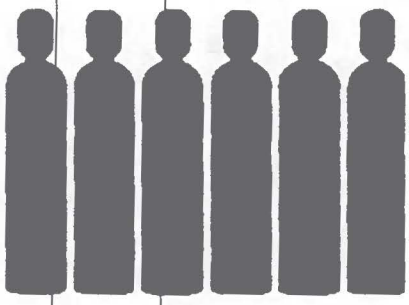
DISP: _____


OFFICE AREA
MAINTENANCE BUILDING
STORAGE YARD
80'
¾"H.B.@+12"
1½" P.T. FOR FUT. YARD SPKRS.
¾"
1½"
SD
4"
2"
4"C.I.
INV. EL. 15.58
SURFACE C.O.
5"C.I.
3"C.I.
SCALE
3"
2"
4"C.I.
1½" P.T. FOR FUT. YARD SPKRS.
YARD EQUIPMENT AREA
CONTROL BUILDING & LABORATORY
2"C.I.
EXPANDER
INV. EL. 15.0
SURFACE C.O.
H₂L
SILO
LIN. 1620
PLUG FOR FUT. EXTENSION
HI-PRESSURE GASEOUS HYD.


PROPERTY LINE
4"C.I. ENCASED IN CONCRETE SEE A P.1
CE C.O.
SURFACE C.O.
I.E. 11.88
TWO 1250 GAL SEPTIC TANKS M.H. TO GRADE OVER BAFFLE
4"V.C.P.
SEEPAGE PITS. TYPICAL FOR 3 25' DEEP BELOW INLET INVERT. SERVICE PIPE TO GRADE
DISTRIBUTION BOX WITH M.H. TO GRADE.
4"V.C.P.
45' RAD.
4"V.C.P.
INLET I.E. 11.0 (TYP.)
45' (TYP.)
CK TRAILERS
COOLING TOWER

AIR PRODUCTS

FACSIMILE COVER SHEET



File Cd
Long Beach
Spec Gas

TO: JARED / CHRIS CHANG
COMPANY: LA COUNTY DPW FIELD INSPECTOR
PHONE: 310-534-4862
FAX: 310-530-5482 / 626-458-3569

FROM: GINGER PATRICK
COMPANY: AIR PRODUCTS
GEG ENVIRONMENTAL W1402
PHONE: 610-481-3354
FAX: 610-481-6186

DATE: 8/11/2000
PAGES INCLUDING THIS COVER PAGE: 5

COMMENTS: JARED, AS PER OUR TELEPHONE CONVERSATION ON THURSDAY 8/10, THE ATTACHED IS SELECT PAGES FROM CLOSURE REPORT FOR THE HYDROGEN PLANT 23320 S. ALAMEDA STREET, CARSON, CA. PLEASE NOTE THAT CLOSURE REPORT PAGE 7 LISTS LA COUNTY PERMIT #3113.

THE ARCO CONTACT WITH KNOWLEDGE OF AIR PRODUCTS AND CHEMICALS, INC INDUSTRIAL COMPRESSED GAS CYLINDER DISTRIBUTION AND TRANSFILL FACILITY CLOSURE IN AUGUAT 1999 IS MIKE KAOUM 213-486-8422.

KUO ENVIRONMENTAL, INC.

Solutions through Science and Technology

CLOSURE REPORT

FOR THE
LONG BEACH HYDROGEN PLANT
23320 South Alameda Street
Carson, California

VOLUME I

Prepared For:

AIR PRODUCTS AND CHEMICALS, INC.
ALLENTOWN, PENNSYLVANIA

September, 1993

Prepared By:

KUO ENVIRONMENTAL, INC.
5455 Garden Grove Blvd./Suite 300
Westminster, CA 92683

EXECUTIVE SUMMARY

The Air Products and Chemicals, Inc. (APCI) site is located at 23320 South Alameda Street in Carson, California, which is bordered by an Atlantic Richfield Company (ARCO) coke facility to the south, Alameda Street and ARCO refinery to the west, a Texaco sulfur recovery plant to the north and Dominguez Channel to the east.

APCI leased the property from ARCO in 1962 to build a cryogenic hydrogen plant. APCI began manufacturing liquid hydrogen at the site in January 1963 and continued this operation until December 1967. APCI re-initiated the production of liquid hydrogen at the plant in January 1972 and continued to operate until March 1986. The plant had been closed for more than 6 years when the demolition of the H_2 plant began in May 1992.

The objective of this H_2 Plant Demolition Project was to consolidate APCI leased land to the minimum space required by the Specialty Gas Division operations at the Alameda Street location in order to reduce the lease costs. The Specialty Gas Division Facility occupies about 5 acres, which are bordering along the Southwestern portion of the property. The remaining 13.5 acres in the northern and eastern portions of the existing leased area accommodated the PSG H_2 Plant and a Cryogenic Vessel Repair Shop. The dismantlement and consolidation work was accomplished in two phases. Phase 1 involved the removal of two large hydrogen storage spheres and the disposal of hazardous materials and wastes throughout the H_2 plant. Completion of Phase 1 enabled APCI to vacate approximately 8 acres of land where the two H_2 spheres and rear truck parking area were located. Phase 2 involved equipment and building demolition in the hydrogen process area. The demolition project was completed in May 1993.

Two preliminary site assessments and a field investigation were conducted, under CERCLA authority, by the EPA. On March 26, 1991, the site screening inspection report discounted two small accidental discharges of hydrocarbons to the Dominguez Channel and instead emphasized potential landfill activities reported to have occurred on-site prior to 1962. On April 11, 1991, EPA recommended that no further remedial action needed to be taken, and has since terminated its interest in the APCI site.

During plant demolition, care was exercised by APCI regarding the resolution of environmental matters. This included such issues as hazardous material and wastes handling/disposal, underground storage tank removal, potassium permanganate scrubber area cleanup, septic tank and leachfield area investigation, and oil/water separator cleanout.

There remains, however, a hydrocarbon soil contamination problem which was discovered in the hydrogen purification area during demolition in November, 1992. The source of this gasoline/diesel like hydrocarbon release is now believed to be the former aboveground diesel and hydrocarbon condensate storage tanks previously located in the Purification Process Area.

In February 1993, a soil gas survey was conducted by Target Environmental in order to determine the extent of the soil contamination. Based on this survey, 19 soil borings were performed by APCI's contractor, IT Corp., in March and May 1993 (See Figures 7 & 8). Using the results from field OVA tests, the soil gas survey, and the borehole sample results, IT Corp. determined the lateral and vertical extent of the contamination at the APCI site (See Figures 9 and 10). The extent of the contamination is approximately 200 feet in the east-west direction, and is approximately 300 feet in the north-south direction. The contamination is approximately 5 feet deep on the extreme boundary and progressively deeper toward the center of the purification area to a maximum of 30 feet deep.

IT Corp. has recommended the use of in-situ soil vapor extraction technology to remediate the volatile fraction of this hydrocarbon condensate contamination, followed by excavation and transport to an off-site asphalt manufacturing plant for the remaining non-volatile fraction. Probable cost and duration of the cleanup is estimated to be approximately 1.8 million dollars over a duration of 1-2 years.

3.0 REVIEW OF ENVIRONMENTAL ISSUES

3.1 Valid Permits for Plant Operations

The APCI H_2 Plant (SIC 2813) is located in the heavy manufacturing zone in the City of Carson. While operating in the periods from 1/63 to 12/67 and from 1/72 to 3/86, the H_2 plant possessed valid operating permits from appropriate agencies for its air emissions and wastewater discharges as follows:

Air Pollution

Air Permits/Registration

SCAQMD Facility ID #003417

Permit #D01586	Hydrogen Manufacturing
P-00784	Boiler #1
P-00785	Boiler #2
P-01714	Flare
P-01837	Hydrogen Storage Tank
P-01838	H2S04 Adsorption System

Water Pollution

15 Apr63	LA County Permit #3113
Feb68	State Permit Resolution #68-4
28Nov74	CA RWQCB NPDES #CA0003085
22May78	Renewed CA0003085
28Nov83	Renewed CA0003085
28Nov88	Rescinded CA0003085

3.2 Accidental Spills and Releases

3.2.1 Small Spills to Dominguez Channel

There were three incidents involving small discharges to the Dominguez Channel as follows:

* On 24 May 1972, - RWQCB noted calcium carbonate deposits at 001 outfall but incorrectly referred to it as sludge deposits/disposal of waste

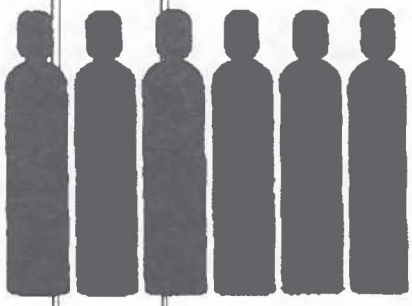
** CONFIRMATION REPORT **

TRANSMISSION
TRANSACTION(S) COMPLETED

NO.	DATE/TIME	DESTINATION	DURATION	PGS	STATUS	MODE
719	AUG. 11 8:33	1 310 530 5482	0° 01' 18"	005	OK	N ECM

AIR PRODUCTS

FACSIMILE COVER SHEET



TO: JARED
COMPANY: LA COUNTY DPW FIELD INSPECTOR
PHONE: 310-534-4862
FAX: 310-530-5482

FROM: GINGER PATRICK
COMPANY: AIR PRODUCTS
GEG ENVIRONMENTAL W1402
PHONE: 610-481-3354
FAX: 610-481-6186

DATE: 8/11/2000
PAGES INCLUDING THIS COVER PAGE: 5

L.A. COUNTY DPW HAZARDOUS MATERIALS SYSTEM REPORT: PWR050.001

DATE COMPILED: 06/25/99 IW INSPECTION JOB ORDER INSP#: I000286931

RUN DATE: 06/01/00 14:04:36 BILLING INVESTIGATION ASSC#:

PAGE: 1

P3113

FILE #: 005186-I05385 NAME: AIR PRODUCTS MFG CORP
ADD: 23320 S ALAMEDA ST
CARSON, CA 90810 AREA: 22 SMD: 95
XSTREET: SEPULVEDA THOMAS GUIDE: 0794-H2
CONTACT: PAUL BUELOW, PLANT MANAGER TEL: 310 518 0430

PROC: SAMPLE REQUIRED? N SAMPLE #: _____

INSP INFO: PLEASE DETERMINE OWNERSHIP (PLEASE SEE ATTACHED DOCUMENTS).

ASSGN TO: CENTINELA VALLEY FIELD OFFICE SECT: FIELD INSPECTION UNIT

==========

RESULTS: 6/29 Site gated & locked. 8/7 same
8/21 property owned by Arco. (Co. contact Jack Eigenbrood 310. 816. 8445)
8/22 Site visit revealed no processes, exempt area drains or runoff of any kind to Dominguez channel or street. No Haz waste storage @ site.

REMARKS: Air Products left site 8/99. Site used by Arco to store computer peripherals & office furniture such as cabinets, desks, & chairs.

INSPECTOR: J Cressy INSPECTION DATE: 8/22/00

DISP: Comp

ND

L.A. COUNTY DPW HAZARDOUS MATERIALS SYSTEM REPORT: PWR050.001

DATE COMPILED: 06/25/99 IW INSPECTION JOB ORDER INSP#: I000253178

RUN DATE: 04/27/00 14:45:35 STORMWATER PC INSPECTION, NON- ASSC#: P000003113

PAGE: 1

FILE #: 005186-I05385 NAME: AIR PRODUCTS MFG CORP
ADD: 23320 S ALAMEDA ST
CARSON, CA 90810 AREA: 22 SMD: 95
XSTREET: SEPULVEDA THOMAS GUIDE: 0794-H2
CONTACT: PAUL BUELOW, PLANT MANAGER TEL: 310 518 0430

PROC: STORMWATER SAMPLE REQUIRED? N SAMPLE #: _____

INSP INFO: COOLING WATER FROM BUM UNIT OUTSIDE, EAST OF OFFICE BUILDING.

PERM TYPE: I 03 OPERATING PERMIT-OFFSITE-SURFA STATUS: PERMITTED
JURIS: C LOCAL ORDINANCE/CSDLAC EXEMPT
INDUSTRY: 127 NO METALS/CHEMICALS, NEC
FACILITY: 8B OTHER NON-STANDARD FACILITY
SIC: 5161 CHEMICALS & ALLIED PRODUCTS
RDS: RDS AREA: SQ FT

	FREQUENCY	LAST PERFORMED	NEXT DUE
INSPECTION	12	06/09/99	04/15/01
SAMPLE	00		
SELF-MONITOR	03	09/13/99	07/01/00

ASSGN TO: CENTINELA VALLEY FIELD OFFICE SECT: FIELD INSPECTION UNIT

==========

RESULTS: Site used as warehouse for office equipt. (by Arco)
see I 286931 for details. Survey not done

REMARKS: _____

INSPECTOR: J Cressy INSPECTION DATE: 8/22/00

DISP: _____

L.A. COUNTY DPW — HAZARDOUS MATERIALS SYSTEM — REPORT: PWB150.001
DATE COMPILED: 06/25/99 — IW INSPECTION JOB ORDER — INSP#: I000283119
RUN DATE: 03/30/00 21:05:48 — SCHEDULED INSPECTIONS — ASSC#: P000003113
PAGE: 1

FILE #: 005186-I05385 NAME: AIR PRODUCTS MFG CORP
ADD: 23320 S ALAMEDA ST
CARSON, CA 90810 AREA: 22 SMD: 95
XSTREET: SEPULVEDA THOMAS GUIDE: 0794-H2
CONTACT: PAUL BUELOW, PLANT MANAGER TEL: 310 518 0430

PROC: STD SAMPLE REQUIRED? N

INSP INFO: COOLING WATER FROM BUM UNIT OUTSIDE, EAST OF OFFICE BUILDING.

PERM TYPE: I 03 OPERATING PERMIT-OFFSITE-SURFA STATUS: PERMITTED
JURIS: C LOCAL ORDINANCE/CSDLAC EXEMPT
INDUSTRY: 127 NO METALS/CHEMICALS, NEC
FACILITY: 8B OTHER NON-STANDARD FACILITY
SIC: 5161 CHEMICALS & ALLIED PRODUCTS
RDS: RDS AREA: SQ FT

	FREQUENCY	LAST PERFORMED	NEXT DUE
INSPECTION	12		04/15/00
SAMPLE	00		
SELF-MONITOR	03		04/01/00

ASSGN TO: CENTINELA VALLEY FIELD OFFICE SECT: FIELD INSPECTION UNIT

==========

RESULTS: Site used by Arco as warehouse for office equipment. See I 286931 for details

REMARKS:

INSPECTOR: J Cuevas INSPECTION DATE: 8/22/00

DISP:

I253178
B.L

ANNUAL INDUSTRIAL WASTE INSPECTION FEE
FOR PERMIT PERIOD: 04/15/00 THROUGH 04/14/01

AIR PRODUCTS MFG CORP
23320 S ALAMEDA ST
CARSON, CA 90810

PERMIT NO: P000003113
FILE NO: 005186 I05385
AREA: 22
DATE: 02/29/00

PERMITTEE MAILING ADDRESS: AIR PRODUCTS MFG CORP
23320 S ALAMEDA ST
CARSON, CA 90810

RETURN TO: LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS
CASHIER UNIT
P. O. BOX 1460
ALHAMBRA, CA 91802

MAKE CHECK PAYABLE TO: L.A. COUNTY DEPARTMENT OF PUBLIC WORKS

****
* AMOUNT DUE: $121.00 *
* DUE DATE: 05/15/00 *
****

IND: 127 NO METALS/CHEMICALS, NEC JURIS: C LOCAL ORDINANCE/CSDLAC EXEMPT PERMIT TYPE: 03 OPERATING PERMIT-OFFSITE-SURFA

FEE TYPE	FEE DESCRIPTION	BALANCE FORWARD	ANNUAL FEE	AMOUNT OWING	
I12	ANNUAL PERMIT FEE		$121.00	$121.00	
	TOTALS		$121.00	$121.00	DUE DATE: 05/15/00

PAYMENTS MUST BE RECEIVED BY 06/15/00. FEE SUBJECT TO A 10% PENALTY FOR EVERY 30 DAYS DELIQUENT PAST THE DUE DATE. PERMITS DELINQUENT 90 DAYS PAST THE DUE DATE ARE SUBJECT TO SUSPENSION.

REFER ALL INQUIRES TO: L.A. COUNTY DEPARTMENT OF PUBLIC WORKS (626) 458-3517
* RETAIN THIS PORTION FOR YOUR RECORDS *

See Attached Letter

AIR PRODUCTS MFG CORP
23320 S ALAMEDA ST
CARSON, CA 90810

ANNUAL INDUSTRIAL WASTE INSPECTION FEE
FOR PERMIT PERIOD: 04/15/00 THROUGH 04/14/01

PERMIT NO: P000003113
FILE NO: 005186 I05385
AREA: 22
DATE: 02/29/00

PERMITTEE MAILING ADDRESS: AIR PRODUCTS MFG CORP
23320 S ALAMEDA ST
CARSON, CA 90810

RETURN TO: LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS
CASHIER UNIT
P. O. BOX 1460
ALHAMBRA, CA 91802

MAKE CHECK PAYABLE TO: L.A. COUNTY DEPARTMENT OF PUBLIC WORKS

****
* AMOUNT DUE: $121.00 *
* DUE DATE: 05/15/00 *
****

REFER ALL INQUIRES TO: L.A. COUNTY DEPARTMENT OF PUBLIC WORKS (626) 458-3517
* RETURN THIS PORTION WITH PAYMENT *

AIR PRODUCTS

Air Products and Chemicals, Inc.
901 W. 12th Street
Long Beach, CA 90813
Telephone (562) 437-0462

23300 where I'm calling

August 11, 1999

Los Angeles County Certified Unified Program Agency
1320 North Eastern Avenue
Los Angeles, CA 90063-3294

Arco - storage of egmt/material

Re: LACo/CUPA Number 005031
Air Products & Chemicals, Inc. — Belongs to Arco
23320 S. Alameda Street #A
~~Carson~~, CA 90810
LB

This letter is to inform you that the above location is closing down and will no longer have hazardous materials on site after August 31, 1999.

Please update your records of this change.

Sincerely,

* Ginger Patrick
*

Shelley Stuart
Plant Manager

562. 437. 0462 X14

SS/ed

Greco

cc: Los Angeles County Department of Public Works

L.A. COUNTY DPW — HAZARDOUS MATERIALS SYSTEM — REPORT: PWB150.001
DATE COMPILED: 01/06/04 — IW INSPECTION JOB ORDER — INSP#: I000458584
RUN DATE: 07/28/05 19:03:22 — SCHEDULED INSPECTIONS — ASSC#: P000364415
PAGE: 1

FILE #: 005107-038004 NAME: HUNTINGTON 76 & CAR WASH
ADD: 1250 E HUNTINGTON DR
DUARTE, CA 91010 AREA: 3R SMD: 15
XSTREET: BUENA VISTA ST THOMAS GUIDE: 0568-A5
CONTACT: MIKE BANDIKIAN, LEASEE/BUS.OWN TEL: 626 357 6812
AIN: 8530 016 001

PROC: STD SAMPLE REQUIRED? N

INSP INFO: 3 1500 GAL CLARIFIERS IN DRIVEWAY EAST OF CAR WASH

PERM TYPE: I 01 OPERATING PERMIT-LOCAL SEWER STATUS: PERMITTED
JURIS: C LOCAL ORDINANCE/CSDLAC EXEMPT
INDUSTRY: 204 CAR WASH
FACILITY: 4E >1250 GAL, 3 COMP, PRECAST
SIC: 7542 CAR WASHES
RDS: RDS AREA: SQ FT

	FREQUENCY	LAST PERFORMED	NEXT DUE
INSPECTION	04		08/07/05
SAMPLE	00		
SELF-MONITOR	00		

ASSGN TO: SAN GABRIEL VLY FIELD OFFICE SECT: FIELD INSPECTION UNIT

==========

RESULTS: Wash area is clean w/ no runoff observed to ~~from~~ streets. Owner not on site at time of inspection. Info for pumping manifest. BMP's adequate. Trap not accessible.

REMARKS:

INSPECTOR: Warren Watanabe INSPECTION DATE: 8-16-05

DISP: FOLL / WW

LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS
ENVIRONMENTAL PROGRAMS DIVISION

NOTICE

Date: 8-16-05 File No.: 005107-038004

To: MIKE BANDIKIAN Permit No.: P 0005644 15

Site Name: HUNTINGTON 76 & CAR WASH Violation No.: V 0004597 73

Site Address: 1250 E Huntington Dr. Duarte CA. 91010

Mailing Address: SAME AS ABOVE

Violation/Instructions:

[ ] Excessive oil/grease/solids in the Industrial Waste Treatment Facilities.
[ ] Rain Diversion System is not working properly.
[ ] Discharging wastewater to ground, public, or private property.
[ ] Industrial Waste Treatment Facilities are not built according to approved plans.
[ ] Denied access to Inspector.
[ ] You must submit a letter to this office outlining the steps that will correct the improper disposal of industrial waste and/or wastewater.
[X] You are required to pump the grease trap/interceptor and maintain the Industrial Waste Treatment Facility in proper working condition at all times.
[X] Other: You must submit the most recent pumping manifest for your clarifier. If no recent manifest exists (within 2005), you must have the clarifier pumped and submit the manifest. FAX (626) 821-1471

[X] You are required to have the above violation(s) correction by August 31 2005 and telephone the office shown below for a return inspection.

If you have any questions regarding this matter, please contact ~~[illegible]~~ Monday through Friday, 8 a.m. to 9:30 a.m., at (626) 574-0967.

Very truly yours,

DON WOLFE

~~JAMES A. NOYES~~

Director of Public Works

Waste Control Engineering Inspector

By: _____

Environmental Programs Division

Enc.

D:Joe/Viol.Not
Revised 11/13/02

Address all correspondence to:

Los Angeles County
Department of Public Works
Environmental Programs Division
125 S. Baldwin Avenue
Arcadia, CA 91007-2652

L.A. COUNTY DPW | HAZARDOUS MATERIALS SYSTEM | REPORT: PWR050.001

DATE COMPILED: 06/25/99 | IW INSPECTION JOB ORDER | INSP#: I000325459

RUN DATE: 08/20/01 08:50:15 | BILLING INVESTIGATION | ASSC#: P000003113

PAGE: 1

FILE #: 005186-I05385 NAME: AIR PRODUCTS MFG CORP
ADD: 23320 S ALAMEDA ST
CARSON, CA 90810 AREA: 22 SMD: 95
XSTREET: SEPULVEDA THOMAS GUIDE: 0794-H2
CONTACT: PAUL BUELOW, PLANT MANAGER TEL: 310 518 0430

PROC: BILLING SAMPLE REQUIRED? N SAMPLE #: _____

INSP INFO: DETERMINE STATUS OF IW FACILITY AND OWNERSHIP. HAND DELIVER BILLING.

PERM TYPE: I 03 OPERATING PERMIT-OFFSITE-SURFA STATUS: PERMITTED
JURIS: C LOCAL ORDINANCE/CSDLAC EXEMPT
INDUSTRY: 127 NO METALS/CHEMICALS, NEC
FACILITY: 8B OTHER NON-STANDARD FACILITY
SIC: 5161 CHEMICALS & ALLIED PRODUCTS
RDS: RDS AREA: SQ FT

	FREQUENCY	LAST PERFORMED	NEXT DUE
INSPECTION	12	05/03/01	04/15/02
SAMPLE	00		
SELF-MONITOR	03	10/26/00	10/01/01

ASSGN TO: CENTINELA VALLEY FIELD OFFICE SECT: FIELD INSPECTION UNIT

==========

RESULTS: Site mfg. demolished and rebuilt at 23300 Alameda 18611-026470 P# 249905. Close-out I.W. file. with I# 286931 and Kuo Enviro Closure Report. Demo Complete 5/93.

REMARKS: _____

INSPECTOR: R. Ruiz. INSPECTION DATE: 8-28-01

DISP: Comp/ED

MB

AUGUST 20, 2001

AIR PRODUCTS MFG CORP
7201 HAMILTON BLVD
ALLENTOWN, PA 18195-1501

FILE #: 005186-I05385-22
CORR #: C000325458
ASSC #: P000003113

INDUSTRIAL WASTE INSPECTION FEE
BILL INVESTIGATION

THE ANNUAL INDUSTRIAL WASTE INSPECTION FEES DUE AND PAST DUE FOR THE SUBJECT FACILITY HAVE BEEN REVIEWED. THE REMAINING FEES, DESCRIBED BELOW AND TOTALED ON THE ENCLOSED DUPLICATE BILL, ARE DUE AND PAYABLE NOW. A 10% PENALTY MAY BE ASSESSED FOR ACCOUNTS THAT ARE DELINQUENT 30 DAYS PAST THE DUE DATE. PLEASE INCLUDE THE BILL STUB WITH PAYMENT TO INSURE PROPER CREDIT.

UPON REVIEW OF YOUR FILE WE FIND:

ANNUAL INSPECTION FEES 04/15/00 TO 04/14/02	244.00
PENALTY FEES	81.99
TOTAL	325.99

ANY FURTHER QUESTIONS SHOULD BE DIRECTED TO:

ENVIRONMENTAL PROGRAMS DIVISION
LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
900 SOUTH FREMONT AVENUE
ALHAMBRA, CA 91803-1331

TELEPHONE: (626) 458-3517

OFFICE HOURS: 7:00 AM TO 5:30 PM, MONDAY THROUGH THURSDAY

BY:

M Baiocco

JOSEPH BAIOCCO
SUPV WASTE CONTROL ENG INSPECT
ENVIRONMENTAL PROGRAM DIV.

ANNUAL INDUSTRIAL WASTE INSPECTION FEE

DUPLICATE BILL

AIR PRODUCTS MFG CORP
23320 S ALAMEDA ST
CARSON, CA 90810

PERMIT NO: P000003113
FILE NO: 005186 I05385
AREA: 22
DATE: 08/20/01

PERMITTEE MAILING ADDRESS: AIR PRODUCTS & CHEMICAL INC
7201 HAMILTON BLVD
ALLENTOWN, PA 18195-1501

RETURN TO: LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS
CASHIER UNIT
P. O. BOX 1460
ALHAMBRA, CA 91802

MAKE CHECK PAYABLE TO: L.A. COUNTY DEPARTMENT OF PUBLIC WORKS

****
$325.99 *
* DUE DATE: 09/20/01 *
****

IND: 127 NO METALS/CHEMICALS, NEC JURIS: C LOCAL ORDINANCE/CSDLAC EXEMPT PERMIT TYPE: 03 OPERATING PERMIT-OFFSITE-SURFA

FEE TYPE	FEE DESCRIPTION	AMOUNT OWING
I12	ANNUAL PERMIT FEE	$244.00
Z13	PERMIT PENALTY BILLI	$81.99
	TOTAL	$325.99

DUE DATE: 09/20/01

REFER ALL INQUIRES TO: L.A. COUNTY DEPARTMENT OF PUBLIC WORKS (626) 458-3517
* RETAIN THIS PORTION FOR YOUR RECORDS *

AIR PRODUCTS MFG CORP
23320 S ALAMEDA ST
CARSON, CA 90810

ANNUAL INDUSTRIAL WASTE INSPECTION FEE

DUPLICATE BILL

PERMIT NO: P000003113
FILE NO: 005186 I05385
AREA: 22
DATE: 08/20/01

PERMITTEE MAILING ADDRESS: AIR PRODUCTS & CHEMICAL INC
7201 HAMILTON BLVD
ALLENTOWN, PA 18195-1501

RETURN TO: LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS
CASHIER UNIT
P. O. BOX 1460
ALHAMBRA, CA 91802

MAKE CHECK PAYABLE TO: L.A. COUNTY DEPARTMENT OF PUBLIC WORKS

****
$325.99 *
* DUE DATE: 09/20/01 *
****

REFER ALL INQUIRES TO: L.A. COUNTY DEPARTMENT OF PUBLIC WORKS (626) 458-3517
* RETURN THIS PORTION WITH PAYMENT *

.A. COUNTY DPW HAZARDOUS MATERIALS SYSTEM REPORT: PWR050.001

ATE COMPILED: 06/25/99 IW INSPECTION JOB ORDER INSP#: I000286931

UN DATE: 06/01/00 14:04:36 BILLING INVESTIGATION ASSC#:

PAGE: 1

FILE #: 005186- NAME: AIR PRODUCTS MFG CORP

ADD: [redacted] AMEDA ST
CARSON, CA 90810 AREA: 22 SMD: 95

XSTREET: SEPULVEDA THOMAS GUIDE: 0794-H2

CONTACT: PAUL BUELOW, PLANT MANAGER TEL: 310 518 0430

PROC: SAMPLE REQUIRED? N SAMPLE #: _____

NSP INFO: PLEASE DETERMINE OWNERSHIP (PLEASE SEE ATTACHED DOCUMENTS).

ASSGN TO: CENTINELA VALLEY FIELD OFFICE SECT: FIELD INSPECTION UNIT

RESULTS: have NPDES permit? ← 23320 - closed area, CT here?
23300 - site visited - NPDES

REMARKS:
23320 site - CT removed & filled w/ sand / bleed off to channel (3/71)
- NPDES 3085 - discharge to D Channel (12/74) ← CT bleed off boiler blowdown wash w. from operating area expires 7/78
- Sales & distribution (3/71)
- w. cooled air compressor to channel (5/70)
plan shut dn (6/68)
- waste (from H2 stripping) to underground (3/63)
✓ - Hand (cesspools) & septic tks → seepage pits (domestic waste) (3/63) 6/29
- Hi's, sinks, fs's (3/63)

INSPECTOR: _____ INSPECTION DATE: _____

DISP: _____

what activity?

✓ 23300 site - overlap of activities w/ 23320 site
? - NPDES #
- P249905 (county)

— 626.794.0750

s/d 3/81 dismantled

— 23320 Air Product Mfg Corp - H2 production
" " & Chemcals Inc. 8/99 - closed - given to H2Go - Industrial Gas

23300 → brand new site ... Compressed Gas Cylinder Distr

COUNTY DPW HAZARDOUS MATERIALS SYSTEM REPORT: PWR050.001

COMPILED: 06/25/99 IW INSPECTION JOB ORDER INSP#: I000286931

ON DATE: 06/01/00 14:04:36 BILLING INVESTIGATION ASSC#:

P3/13 PAGE: 1

FILE #: 005186-I05385 NAME: AIR PRODUCTS MFG CORP
ADD: 23320 S ALAMEDA ST
CARSON, CA 90810 AREA: 22 SMD: 95
XSTREET: SEPULVEDA THOMAS GUIDE: 0794-H2
CONTACT: PAUL BUELOW, PLANT MANAGER TEL: 310 518 0430

PROC: SAMPLE REQUIRED? N SAMPLE #: _____

INSP INFO: PLEASE DETERMINE OWNERSHIP (PLEASE SEE ATTACHED DOCUMENTS).

ASSGN TO: CENTINELA VALLEY FIELD OFFICE SECT: FIELD INSPECTION UNIT

==========

RESULTS: 6/29 Site gated & locked, 8/7 same
8/21 Property owned by Arco; Co. contact Jack Eigenbrod 310. 816. 3465
8/22 Site visit revealed no processes, egmpt, area drains or runoff of any kind to Dominguez channel or street. No Haz waste storage @ site.

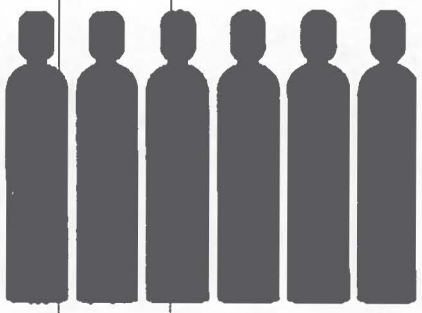
REMARKS: Air Products left site 8/99. Site used by Arco to store computer peripherals & office furniture such as cabinets, desks, & chairs.

INSPECTOR: J Cressy INSPECTION DATE: 8/22/00

DISP: _____

AIR PRODUCTS

FACSIMILE COVER SHEET



File CA

Long Beach
Spec Gas

TO: JARED / CHRIS CHANG

COMPANY: LA COUNTY DPW FIELD INSPECTOR
PHONE: 310-534-4862
FAX: 310-530-5482 / 626-458-3569

FROM: GINGER PATRICK
COMPANY: AIR PRODUCTS
GEG ENVIRONMENTAL W1402
PHONE: 610-481-3354
FAX: 610-481-6186

DATE: 8/11/2000
PAGES INCLUDING THIS COVER PAGE: 5

COMMENTS: JARED, AS PER OUR TELEPHONE CONVERSATION ON THURSDAY 8/10, THE ATTACHED IS SELECT PAGES FROM CLOSURE REPORT FOR THE HYDROGEN PLANT 23320 S. ALAMEDA STREET, CARSON. CA. PLEASE NOTE THAT CLOSURE REPORT PAGE 7 LISTS LA COUNTY PERMIT #3113.

THE ARCO CONTACT WITH KNOWLEDGE OF AIR PRODUCTS AND CHEMICALS, INC INDUSTRIAL COMPRESSED GAS CYLINDER DISTRIBUTION AND TRANSFILL FACILITY CLOSURE IN AUGUAT 1999 IS MIKE KAOUM 213-486-8422.

KUO ENVIRONMENTAL, INC.

Solutions through Science and Technology

CLOSURE REPORT

FOR THE
LONG BEACH HYDROGEN PLANT
23320 South Alameda Street
Carson, California

VOLUME I

Prepared For:

AIR PRODUCTS AND CHEMICALS, INC.
ALLENTOWN, PENNSYLVANIA

September, 1993

Prepared By:

KUO ENVIRONMENTAL, INC.
5455 Garden Grove Blvd./Suite 300
Westminster, CA 92683

EXECUTIVE SUMMARY

The Air Products and Chemicals, Inc. (APCI) site is located at 23320 South Alameda Street in Carson, California, which is bordered by an Atlantic Richfield Company (ARCO) coke facility to the south, Alameda Street and ARCO refinery to the west, a Texaco sulfur recovery plant to the north and Dominguez Channel to the east.

APCI leased the property from ARCO in 1962 to build a cryogenic hydrogen plant. APCI began manufacturing liquid hydrogen at the site in January 1963 and continued this operation until December 1967. APCI re-initiated the production of liquid hydrogen at the plant in January 1972 and continued to operate until March 1986. The plant had been closed for more than 6 years when the demolition of the H_2 plant began in May 1992.

The objective of this H_2 Plant Demolition Project was to consolidate APCI leased land to the minimum space required by the Specialty Gas Division operations at the Alameda Street location in order to reduce the lease costs. The Specialty Gas Division Facility occupies about 5 acres, which are bordering along the Southwestern portion of the property. The remaining 13.5 acres in the northern and eastern portions of the existing leased area accommodated the PSG H_2 Plant and a Cryogenic Vessel Repair Shop. The dismantlement and consolidation work was accomplished in two phases. Phase 1 involved the removal of two large hydrogen storage spheres and the disposal of hazardous materials and wastes throughout the H_2 plant. Completion of Phase 1 enabled APCI to vacate approximately 8 acres of land where the two H_2 spheres and rear truck parking area were located. Phase 2 involved equipment and building demolition in the hydrogen process area. The demolition project was completed in May 1993.

Two preliminary site assessments and a field investigation were conducted, under CERCLA authority, by the EPA. On March 26, 1991, the site screening inspection report discounted two small accidental discharges of hydrocarbons to the Dominguez Channel and instead emphasized potential landfill activities reported to have occurred on-site prior to 1962. On April 11, 1991, EPA recommended that no further remedial action needed to be taken, and has since terminated its interest in the APCI site.

During plant demolition, care was exercised by APCI regarding the resolution of environmental matters. This included such issues as hazardous material and wastes handling/disposal, underground storage tank removal, potassium permanganate scrubber area cleanup, septic tank and leachfield area investigation, and oil/water separator cleanout.

There remains, however, a hydrocarbon soil contamination problem which was discovered in the hydrogen purification area during demolition in November, 1992. The source of this gasoline/diesel like hydrocarbon release is now believed to be the former aboveground diesel and hydrocarbon condensate storage tanks previously located in the Purification Process Area.

In February 1993, a soil gas survey was conducted by Target Environmental in order to determine the extent of the soil contamination. Based on this survey, 19 soil borings were performed by APCI's contractor, IT Corp., in March and May 1993 (See Figures 7 & 8). Using the results from field OVA tests, the soil gas survey, and the borehole sample results, IT Corp. determined the lateral and vertical extent of the contamination at the APCI site (See Figures 9 and 10). The extent of the contamination is approximately 200 feet in the east-west direction, and is approximately 300 feet in the north-south direction. The contamination is approximately 5 feet deep on the extreme boundary and progressively deeper toward the center of the purification area to a maximum of 30 feet deep.

IT Corp. has recommended the use of in-situ soil vapor extraction technology to remediate the volatile fraction of this hydrocarbon condensate contamination, followed by excavation and transport to an off-site asphalt manufacturing plant for the remaining non-volatile fraction. Probable cost and duration of the cleanup is estimated to be approximately 1.8 million dollars over a duration of 1-2 years.

3.0 REVIEW OF ENVIRONMENTAL ISSUES

3.1 Valid Permits for Plant Operations

The APCI H_2 Plant (SIC 2813) is located in the heavy manufacturing zone in the City of Carson. While operating in the periods from 1/63 to 12/67 and from 1/72 to 3/86, the H_2 plant possessed valid operating permits from appropriate agencies for its air emissions and wastewater discharges as follows:

Air Pollution

Air Permits/Registration
SCAQMD Facility ID #003417
Permit #D01586 Hydrogen Manufacturing

P-00784	Boiler #1
P-00785	Boiler #2
P-01714	Flare
P-01837	Hydrogen Storage Tank
P-01838	H2S04 Adsorption System

Water Pollution

15 Apr63	LA County Permit #3113
Feb68	State Permit Resolution #68-4
28Nov74	CA RWQCB NPDES #CA0003085
22May78	Renewed CA0003085
28Nov83	Renewed CA0003085
28Nov88	Rescinded CA0003085

3.2 Accidental Spills and Releases

3.2.1 Small Spills to Dominguez Channel

There were three incidents involving small discharges to the Dominguez Channel as follows:

* On 24 May 1972, - RWQCB noted calcium carbonate deposits at 001 outfall but incorrectly referred to it as sludge deposits/disposal of waste

COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS

Waste Management Division

INSPECTOR'S REPORT

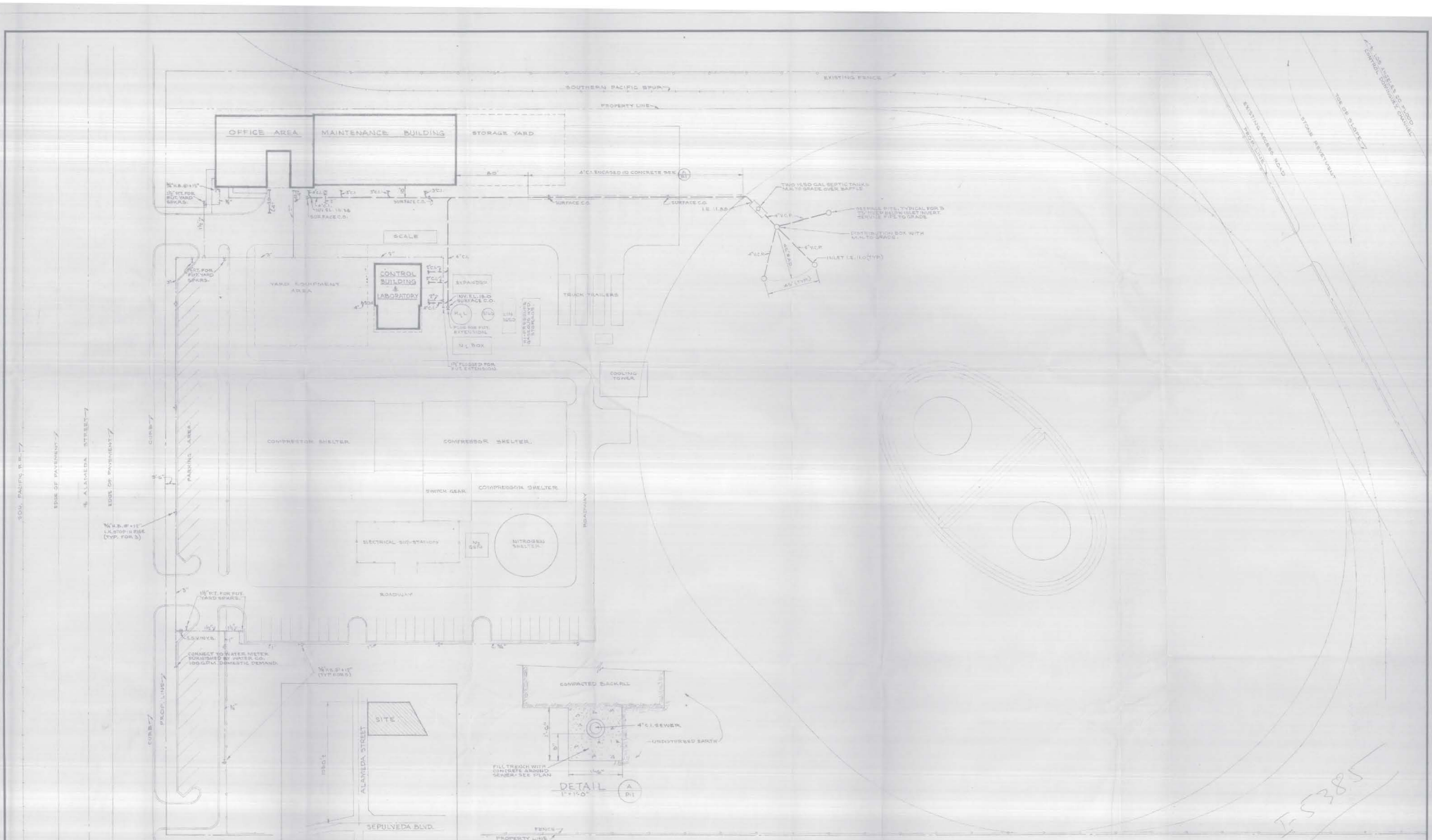
TO: Joe Baiocco DATE: 9-19-01

FROM: R. McDonald FILE: 5186-I05385

INDUSTRY: Air Products Mfg.
23320 S. Alameda St., Carson

REPORT: Regarding past inspections. Per Wanda inspection of # 313622 was of existing site at the 23300 Alameda (1861-26470). Previous inspections were of any operation going on at Air Product site.

38-0002 DPW 10/86



GENERAL NOTES:
1. YARD PIPING IS TO BE CO-ORDINATED WITH TOTAL FACILITY REQUIREMENTS.
2. STORM DRAINS FROM BUILDINGS SHALL BE CONNECTED TO STORM DRAIN SYSTEM BY OTHERS.
3. FIRE PROTECTION TO BUILDING SHALL BE CONNECTED TO FIRE PROTECTION SYSTEM BY OTHERS.

REVISION	DATE	DESCRIPTION	DRWN
1	3/9/62	PLOT PLAN	

DANIEL, MANN, JOHNSON & MENDENHALL
3325 WILSHIRE BOULEVARD · LOS ANGELES 5, CALIFORNIA · DUNKIRK 1-3663
PLANNING · ARCHITECTURE · ENGINEERING

PREPARED FOR
AIR PRODUCTS * CHEMICALS, INC.
ALLENTOWN, PENNA.

SHEET TITLE: PLUMBING SITE PLAN
JOB TITLE: HYDROGEN FACILITY
23920 SOUTH ALAMEDA STREET
COUNTY OF LOS ANGELES, CALIF.

DRAWN BY	H.S.WRAY
CHECKED BY	W.M. JOHNSON
APPROVED BY	D. MENDENHALL
JOB NO.	156-1-1
SHEET NO.	P-1
DATE	3/9/62

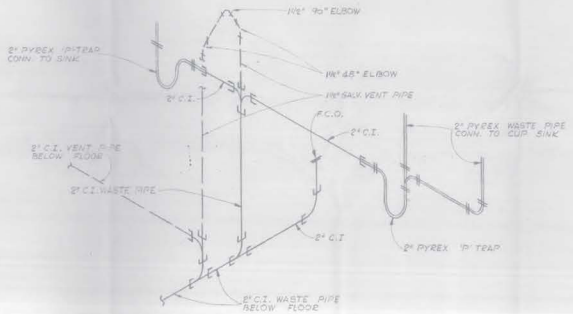
APR 2 1962

PLUMBING FIXTURE SCHEDULE

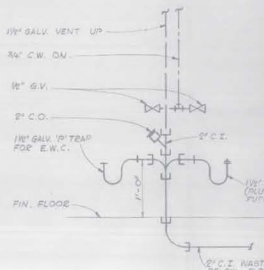
Mark Number / Fixture	Size / Type	Manufacturer & Model	Color	Carrier (C) / Trap (T)	Pipe Connections (S = Soil or Waste, V = Vent, CW = Cold Water, HW = Hot Water)	Remarks, Notes / Accessories
(WC) (1) WATER CLOSET	STANDARD FLOOR-MOUNTED FLUSH VALVE SIPHON - JET	AMERICAN-STANDARD MADERA F-2515	WHITE	C: FLOOR-MOUNTED T: INTEGRAL	S 4" V 2" CW 1" HW -	FLUSH VALVE: SLOAN 110 FVV SEAT: OPEN FRONT, BLACK, CHURCH 9500
(UR) (1) URINAL	STANDARD FLUSH-VALVE BLOWOUT	AMERICAN-STANDARD CADET F-5230	WHITE	C: WALL HUNG T: 2" CAST IRON "P" TRAP	S 2" V 1 1/4" CW 3/4" HW -	FLUSH VALVE: SLOAN 186 VV
(L) (1) LAVATORY	20" x 18" STAINLESS	AMERICAN-STANDARD NEW YORKER F-35140	WHITE	C: ELKAY "EZH" SERIES T: 1 1/4" "J" PATTERN C.P.	S 2" V 1 1/4" CW 1/2" HW 1/2"	BOW: 17 2001 HEIGHBASE WALL SUPPLIES: K-2604
(SS) (1) SERVICE SINK	22" x 18" PLAIN BACK	AMERICAN-STANDARD ARGO P-7701	WHITE	C: WALL MOUNTED T: 2" AMER. STAND. P. O-7716	S 3" V 2" CW 3/4" HW 3/4"	FAUCET: K-5082T FAUCET: K-5175 IN OFFICE BLDG. AREA 100, ONLY.
(SH) (1) SHOWER	SEMI-CIRCULAR STAINLESS STEEL	BRADLEY TYPE LMD		C: WALL-MOUNTED T: CW 3/4" HW 3/4"	S - V -	GROUPED UNIT: W/ ARTIST SHOWER HEADS & SOAPTRAYS SINGLE HANDLE PRESS. BALANCING MIX. VALVES
(EW) (1) ELECTRIC WATER COOLER	OAL 38" x 37 1/2" STAINLESS STEEL TOP	LAC-O MODEL PM-9		C: FLOOR MOUNTED S: 2" T: 1 1/2" J.A. PATTERN	S 2" V 1 1/4" CW 1/2" HW -	5 GAL. BLD. STORAGE TANK PUSH BUTTON & FOOT OPERATED 115 V.
(ES) (1) EMERGENCY SHOWER	STANDARD	LOGAN MODEL GE-594HE		C: WALL HUNG T:	S - V - CW 1" HW -	8" OVERHEAD EXPOSED SHOWER HEADS FOOT ACTUATED VALVE SURFACE WALL PIPING INSTALLATION
(MF) (1) MAIN FOUNTAIN	36" DIA. CIRCULAR TERRAZZO BOWL	BRADLEY TYPE 1875	AS SELECTED	C: FLOOR MOUNTED T: INTEGRAL	S 2" V 1 1/4" CW 3/4" HW 3/4"	FOOT OPERATED
(FD) (1) FLOOR DRAIN	6" x 6" CAST IRON	JOSAM 300 SERIES		C: T: 3" C.I. "P" TRAP	S 3" V 2" CW - HW -	STRAINER: JOSAM TYPE 86-S WHITE METAL
(FD) (2) FLOOR DRAIN	4" x 4" CAST IRON	JOSAM 300 SERIES		C: T: 2" C.I. "P" TRAP	S 2" V 1 1/4" CW - HW -	STRAINER: JOSAM TYPE 34-B C.P. BRASS
(FD) (3) FLOOR DRAIN	CAST IRON	JOSAM 510 SERIES		C: T: 3" C.I. "P" TRAP	S 3" V 2" CW - HW -	STRAINER: JOSAM TYPE 34-B C.P. BRASS
(FD) (4) FLOOR SINK	12" x 12" x 8" ACID RESIST. SUNKEN C.I.	SCHEUERER SERIES P-2101		C: T: C.I. "P" TRAP	S 2" V 1 1/4" CW - HW -	FULL GRATE & REMT-DOME STRAINER
(RD) (1) ROOF DRAIN	12" DIA CAST IRON	JOSAM 400 SERIES		C: T:	SD 4" V - CW - HW -	REMOVABLE DOME & SEDIMENT CUP CAULKED OUTLET & FLASHING CLAMP DEVICE INTEGRAL WITH GRAVEL STOP
(FC) (1) FIRE HOSE CABINET	30" x 65" x 30"	STANDARD PIPE HOSE COMPANY HOSE UNIT 760 CAB. 1 + 3055		C: T:	S - V - CW 2" HW -	HOSE LENGTH = 75' DIA. = 2" DOOR STYLE = 8-B EXTINGUISHER: TYPE # 10A

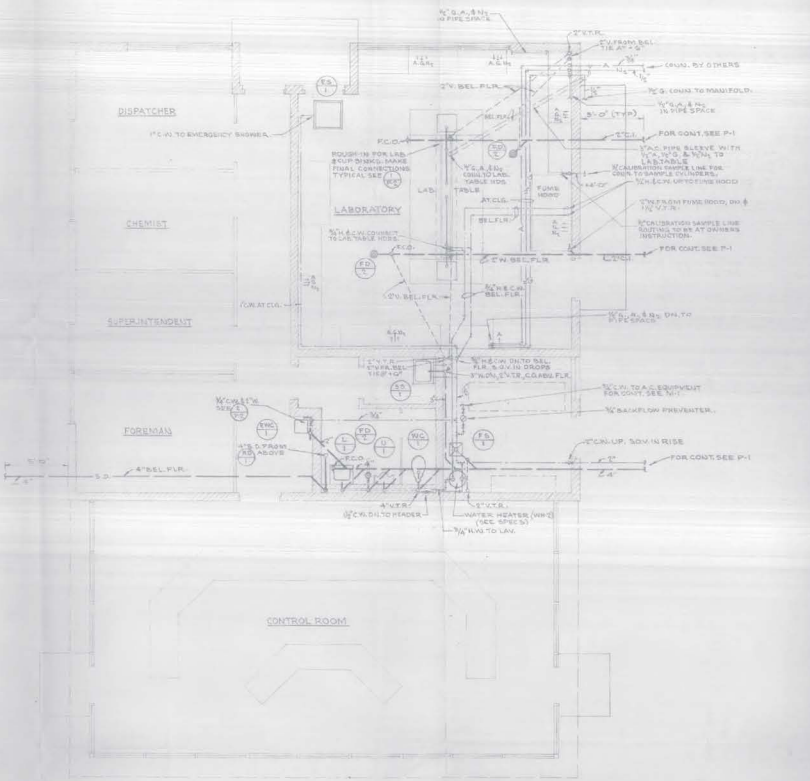
PLUMBING SYMBOLS & ABBREVIATIONS

	SOIL & WASTE ABOVE GRADE
	SOIL & WASTE BELOW GRADE
IW	INDUSTRIAL WASTE
SD	STORM DRAIN
	SANITARY VENT
CW	COLD WATER
HW	HOT WATER
HWR	HOT WATER RETURN
TW	TEMPERED WATER
LTWP	LOW TEMPERATURE WATER
SW	SOFT WATER
FP	FIRE SPRINKLER LINE
C.S.P.	COMBUSTION STANDPIPE
W.S.P.	WET STANDPIPE
RL	ROOF LINE
A	AIR LINE
IND	INDUSTRIAL WATER
IL	IRRIGATION LINE
PL	PROPANE GAS
NG	NITROGEN
SGV or S.V.	SHUT-OFF VALVE OR GATE VALVE
C.V.	CHECK VALVE
B.V.	BALL VALVE
G.C.	GAS COCK
B.C.	BALANCING COCK
P.R.V.	PRESSURE REDUCING VALVE
P.S.R.V.	PRESSURE RELIEF VALVE
P-T REL. V.	PRESS. & TEMPERATURE RELIEF VALVE
C.O.	CLEANOUT
W.C.O.	WALL CLEANOUT
H.B.	HOSE BIBB
DN	DROP
ABV	ABOVE
A.B.	ACCESS BOX
A.P.	ACCESS PANEL
BEL.	BELOW
CONT.	CONTINUATION
C.S.T.G.	CLEANOUT TO GRADE
CLG.	CEILING
C.I.	CAST IRON
C.W.	CATCH BASIN
D.S.	DOWNSPOUT
EXIST.	EXISTING
EXP.	EXPOSED
E.H.D.I.	EXTRA HEAVY CAST IRON
F.H.	FIRE HYDRANT
F.H.C.	FIRE HOSE CABINET
F.H.G.	FIRE HOSE GAGE
F.E.	FIRE EXTINGUISHER
F.E.C.	FIRE EXTINGUISHER & CABINET
F.G.	FINISHED GRADE
FIN. FLR.	FINISHED FLOOR
I.E.	INVERT ELEVATION
M.H.	MANHOLE
N.I.C.	NOT IN CONTRACT
P.T.	PLUMBER'S TEE
P.V.	PLUMBER'S VENT
P.C.E.	PLUMBING & EQUIPMENT



DETAIL ELEVATION (2)

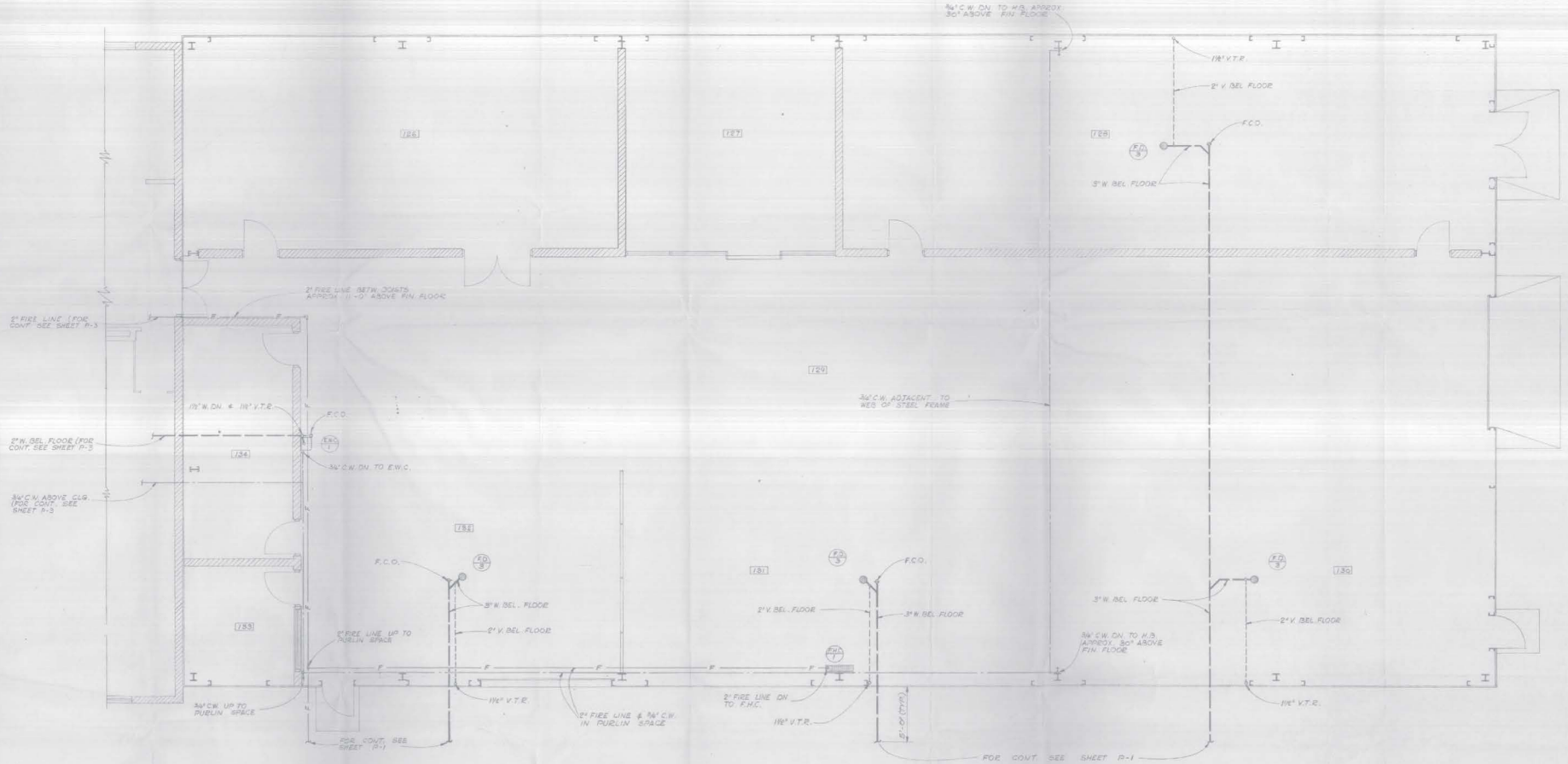




FLOOR PLAN
SCALE: ¼"=1'-0"

GENERAL NOTES:
ALL COLD AND HOT WATER FIXTURE OUTLETS IN LABORATORY SHALL BE PROVIDED WITH VACUUM BREAKERS BY EQUIPMENT SUPPLIER. AIR, PROPANE AND NITROGEN SERVICES FOR OUTLETS SHOWN, ARE TO BE RUN IN PIPE SPACE IN BACK OF CABINETS AND FINAL CONNECTIONS MADE.

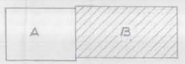
I-S 385



FLOOR PLAN AREA 'B'

SCALE ~ ¼" = 1'-0"





KEY PLAN

DANIEL, MANN, JOHNSON & MENDENHALL
3325 WILSHIRE BOULEVARD • LOS ANGELES 5, CALIFORNIA • DUNKIRK 1-3663
PLANNING · ARCHITECTURE · ENGINEERING

PREPARED FOR
AIR PRODUCTS & CHEMICALS, INC
ALLENTOWN, PENNA.

SHEET TITLE: OFFICE & MAINTENANCE BUILDING PLUMBING FLOOR PLAN AREA 'B'
JOB TITLE: HYDROGEN FACILITY, 23930 SOUTH ALAMEDA STREET COUNTY OF LOS ANGELES, CALIF.

DRAWN BY: H. HEINZELMANN
CHECKED BY: W.M. JOHNCOX
APPROVED BY: D. WESTERFIELD
JOB NO. 156-1-1
SHEET NO. P-4
DATE: 3/1/62

REVISION | DATE | DESCRIPTION | DRAWN

APR 2 1962

AIR PRODUCTS AND CHEMICALS, INC. LEASE
CHRONOLOGY OF SITE CLOSURE AND SUBSURFACE INVESTIGATION EVENTS

1962	APCI leases property from ARCO, builds cryogenic hydrogen plant and begins manufacturing liquid hydrogen in January 1963
March, 1986	APCI ceases manufacturing liquid hydrogen
August, 1987	Removal of 4 USTs (3 tested clean and 1 dirty), UST removal report submitted to LACDPW
October 1, 1987	LACDPW letter to APCI stating requirements for final closure of USTs
March, 1988	Preliminary investigation of "dirty" UST No. 28.91
March-May, 1989	Bioremediation of diesel contaminated soil from UST No.
May, 1992	APCI begins demolition of hydrogen plant
November, 1992	Hydrocarbon soil contamination discovered in hydrogen purification area
February, 1993	Subsurface investigation (soil gas survey, followed by soil sampling) conducted in hydrogen purification area
February, 1993	Potassium permanganate scrubber removed, soil and concrete sampled
April, 1993	Contaminated portion of potassium permanganate scrubber cinder block berm removed
April, 1993	Removal of 5th (caustic) UST
May, 1993	Field investigation of septic tank system and leachfield area
May 1993	Completion of plant demolition
December 21, 1993	IT letter to John Lewis of LARWQCB with site investigation report attached
January 4, 1994	APCI letter to LACDPW requesting final closure approval for USTs
May 18, 1994	LACDPW letter to APCI stating that assessment and remediation of the site must be addressed through the LARWQCB
July, 1994	Investigation of former cooling tower area

July 18, 1994	APCI fax to LACDPW resubmitting UST removal report and requesting closure certification
November, 1994	Supplemental investigation of former cooling tower area
November 18, 1994	APCI letter to Water Board requesting determination of UST closure status (UST closure report and correspondence attached)

RWQCB Determination 1 (b):

Petroleum hydrocarbon soil contamination was identified in the southeastern half of the site, near the former underground tank 28.5. About 410 cubic yards of soil from the excavation and clean-up of underground tank 28.91 had been remediated, but still contained up to 9,590 mg/kg TPH. This was subsequently placed near where former underground tank 28.5 had been located.

Action Required By RWQCB:

Air Products must collect confirmation samples in the area where the 410 cubic yards of soil containing up to 9,590 mg/kg TRPH was disposed before RWQCB sign-off on underground tank 28.5.

Air Products Response:

The determination that petroleum hydrocarbon soil contamination was identified in the southeastern half of the site, near the former underground tank 28.5, is misleading. No significant contamination has been identified. When removed, this tank was intact, there was no soil staining, and two soil samples showed only minor amounts of hydrocarbons (58 and 210 ppm TPH) which were attributed to surface spillage.

The information that I submitted to you depicting the placement of the bioremediated soil near the south eastern corner of the property was an approximation. I know that the soil was placed towards the eastern border of the property but I'm not sure of the northern or southern extent, or, whether its placement was near where the former tank 28.5 was located.

Your reference to the soil containing up to 9,590 mg/kg TRPH is incorrect. I believe that number came from a tank 28.91 bioremediation process monitoring sample collected on 15 May 1989. Active bioremediation was conducted until December 1989 and the unit was decommissioned in February 1990. The final sample results, collected on 18 December 1989, were less than 100 mg/kg TPH-as diesel with a maximum of 7400 mg/kg TPH-as weathered crude oil. As discussed below, this weathered crude oil was not attributable to Air Products activities and is considered background.

Air Products believes that the location of this treated soil is not an issue and has no bearing on the proper closure of tank 28.5. This soil placement should be treated as an issue separate from the closure of tank 28.5.

RWQCB Determination 1 (c):

Petroleum hydrocarbon soil contamination (up to 11,900 mg/kg TRPH, 167 mg/kg TPH gasoline, 9,880 mg/kg TPH diesel, and 5 ug/kg benzene) was identified at the southeastern edge of the former vessel repair shop.

Action Required By RWQCB:

Remediate the petroleum hydrocarbon contaminated soil.

Air Products Response:

Your reference for this contamination was likely our December 1993 IT Corp. Soil Investigation Report. Specifically, you referenced the boring # 5 sample results at both the five foot and ten foot depth sample intervals. The contamination at this location is within the area influenced by our ongoing soil vapor extraction system. This system is designed to remove volatile organic compounds, gasoline, and diesel

from our former hydrogen feedgas purification area and the adjacent area. This includes the area surrounding where boring # 5 was made.

Given our ongoing soil vapor extraction activity, Air Products is already addressing the remediation of volatiles, gasoline, and diesel from this soil. If weathered crude oils are found to contribute to the TRPH contamination, this would not be attributable to past Air Products activities and as such should not be required as part of our ongoing remediation.

RWQCB Determination 1 (d):

Petroleum hydrocarbon soil contamination (up to 71,500 mg/kg TRPH, 19 mg/kg benzene, and 450 mg/kg toluene) was identified in the former specialty gas plant area.

Action Required By RWQCB:

Remediate the petroleum hydrocarbon contaminated soil.

Air Products Response:

Your reference of up to 71,500 mg/kg TRPH was again the December 1993 IT report. This level was detected at the 10 foot depth of boring # 11. I could not determine your reference for the 19 mg/kg benzene or 450 mg/kg toluene. Please let me know where you found these numbers. The contamination at boring # 11 is within the former hydrogen feedgas purification area rather than the specialty gas plant area. The purification area is under the influence of our ongoing soil vapor extraction system. This system is designed to remove volatile organic compounds, gasoline, and diesel from the hydrogen feedgas purification area and the adjacent area. This includes where boring # 11 is located.

Given our ongoing soil vapor extraction activity, Air Products is already addressing the remediation of volatiles, gasoline, and diesel from this soil. If weathered crude oils are found to contribute to the TRPH contamination, this would not be attributable to past Air Products activities and as such should not be required as part of our ongoing remediation.

RWQCB Determination 1 (e):

Petroleum hydrocarbon soil contamination (up to 35,400 mg/kg TRPH, 7,170 mg/kg TPH gasoline, 50,400 mg/kg TPH diesel, 17.4 mg/kg benzene, 10.9 mg/kg toluene, 9.68 mg/kg ethylbenzene, 24.1 mg/kg xylene) was identified along the western property line.

Action Required By RWQCB:

Remediate the petroleum hydrocarbon contaminated soil.

Air Products Response:

Your reference to the IT Corp. December 1993 report includes various samples collected from borings #1, #2, and #3 at a depth of five feet. The benzene result was from a 10 foot depth sample. The area where borings 1, 2, and 3 are located is between our former hydrogen purification area and the western border of our site; it falls within the area influenced by our soil vapor extraction system. Although we are actively removing volatiles, gasoline, and diesel from this area, they may not all be attributable to past Air Products activities as discussed more fully below.

The entire western border of the property that we lease from ARCO is a pipeline right-of-way that contains multiple pipelines including refinery and utility pipelines of unknown number, contents, and origin. Our hydrogen feedgas pipeline runs from the adjacent ARCO Los Angeles Refinery (west to east) and crosses under Alameda Street at our southwestern gate. It then runs in a northerly direction, about 200 feet, where it then takes a turn to the east and runs a short distance to our former hydrogen purification area. The north-south component of our pipeline traverses a section of the pipeline right-of-way which runs the entire length of our western border.

In February 1993 Air Products conducted a soil gas survey in order to delineate its zone of clean-up responsibility. This included the area traversed by our feedgas pipeline and the area between our former purification area and the pipeline right-of-way just west of the purification area. This survey showed that the hydrocarbons present in the soil along the pipeline right-of-way had a different chromatogram signature than the hydrocarbons that we had handled in our hydrogen purification process. The hydrocarbons near the pipeline right-of-way were a "complex petroleum hydrocarbon mixture" not typical of gasoline or diesel. This is noted in the enclosed sections 3.2 and 5.0 excerpts from the December 1993 IT Corporation Site Investigation Study Report and the enclosed excerpts from the February 1993 Target Environmental Services Soil Gas Survey.

Air Products' hydrocarbon related activities were limited to those involving diesel or a light gasoline-like material. Air Products received a hydrogen gas from ARCO that included minor BTEX components. To make pure hydrogen, the feedgas was first scrubbed with diesel to remove the BTEX. The diesel was then stripped of volatiles which condensed and were collected in a 10,000 gallon aboveground condensate storage tank. This condensate was much like light gasoline in character (benzene was a significant component) and was stored along side of a 10,000 gallon aboveground diesel tank. Nearby these two aboveground tanks was a 2,000 gallon underground diesel tank (28.91) that fueled a process boiler. Air Products also used small volumes of lubricating oil in our compressors and other machinery. To summarize, Air Products stored, used, and handled diesel fuel, a gasoline-like condensate, and small amounts of lubricating oil. Given our use of only gasoline-like and diesel type hydrocarbons in significant quantities, and given the location of the "complex petroleum hydrocarbon mixture" along the pipeline right-of-way, Air Products activities are not the source of the western contamination along Alameda Street.

This argument is bolstered by evidence collected by Air Products during a water supply line break that occurred in September 1993. Our active specialty gas operations are located at the extreme south western portion of the site. This area was not influenced by our former hydrogen plant operations. During the repair of a broken water supply line that cross cuts the Alameda Street pipeline right-of-way, hydrocarbon contaminated soil was encountered. I had IT Corp. collect a sample for analysis. Their 30 September report regarding this is enclosed. It should be noted that benzene was not detected, however, other gasoline and diesel constituents were present. The results (lack of benzene, distance from the former hydrogen purification area) strongly suggest that the contamination along the western Alameda Street border came from the pipeline right-of-way.

Air Products should not be held responsible for the remediation of hydrocarbons along the Alameda Street pipeline right-of-way.

RWQCB Determination 2:

Confirmation samples were not reported in the 12 August 1993
IT Corporation report which indicated that the CAM-WET analytical results for arsenic in sample C-6 was 22 mg/l (this exceeds the STLC for arsenic of 5 mg/l).

Action Required By RWQCB:

Collect confirmation samples from the cinder block berm and analyze for arsenic.

Air Products Response:

Sample C6 was collected from a concrete pad. This portion of the concrete pad was removed and properly disposed of. Sample S5 was collected, as a confirmation sample, from the soil directly beneath where sample C6 was located. Sample S5 was ND for STLC arsenic. This is described in the enclosed 31 January 1995 IT Corporation letter.

Conclusion

In conclusion, Air Products would still like to receive a favorable RWQCB closure approval for underground tank 28.5. We feel that the location of the bioremediated soil is not an issue and has no bearing on tank 28.5 closure.

The petroleum hydrocarbon contamination discovered in or near our former hydrogen purification area consists of: (1) volatiles, gasoline, and diesel components which may be attributable to past Air Products activities, and (2) weathered crude oil or complex hydrocarbon mixtures unlike gasoline or diesel that are not attributable to past Air Products activities. Air Products is currently operating a soil vapor extraction system to remove the hydrocarbons that may be attributable to our past activities. This system also has the incidental beneficial effect of remediating hydrocarbons within the systems zone of influence which are not attributable to Air Products activities. Air Products should not, however, be responsible for investigating and remediating hydrocarbons not linked to its activities.

Regarding the arsenic contaminated concrete, IT Corp. did collect a confirmation sample which showed that the contaminated area had been fully removed.

I hope this letter addresses your concerns. If you have any questions or comments, please give me a call at (610) 481-8867.

Sincerely,

Robert J. Swigart
GEG EH&S Team

RJS/sab/lbrwqcb3
enclosure

c: Dean Kirk, ARCO Los Angeles Refinery

bc: Todd Solodar/A33G1
Rick Leighton/A42M1

7201 Hamilton Boulevard
Allentown, PA 18195-1501

Telephone (610) 481-4911

AIR PRODUCTS

95 OCT 27 PM 3:55

CALIFORNIA REGIONAL WATER
QUALITY CONTROL BOARD
LOS ANGELES REGION

26 October 1995

Mr. Keith Elliott
California Regional Water Quality Control Board
Los Angeles Region
101 Centre Plaza Drive
Monterey Park, CA 91754-2156

Re: Air Products Manufacturing Corp., 23320 South Alameda Street, Carson, CA (File No. 95-089)

Dear Keith:

This letter is submitted in response to your 21 September 1995 correspondence which was relative to Air Products request for RWQCB closure approval for three underground storage tanks at our above referenced site. This property is leased by Air Products from ARCO and is located adjacent to the ARCO Los Angeles Refinery. These three tanks were removed, under the direction of the Los Angeles Department of Public Works (LADPW), at our above referenced site in August 1987. These tanks were identified as tank numbers LD-IGD-1, LD-IGD-2, and 28.5. LADPW never granted Air Products closure for these three tanks because a fourth tank (28.91) was removed from another area of the property and was believed to have leaked. Since this fourth tank was included in the same closure permit as the other three tanks, closure was never granted. In lieu of LADPW closure approval, Air Products has requested RWQCB closure approval in order to satisfy landowner (ARCO) concerns regarding proper tank closure.

Based on determinations that you have made from the review of documents forwarded to you, your letter requests that Air Products submit a work plan to the RWQCB by 31 October 1995. This responds to your work plan request. RWQCB determinations 1(a) and 1(b) are relevant to Air Products request for RWQCB closure approval for the three underground tanks. Determinations 1(c), 1(d), 1(e), and 2 are not relevant to closure approval for these tanks but rather to closure approval for the entire site. The various determinations and required actions set forth in your letter are listed below. I will discuss each of these separately.

RWQCB Determination 1 (a):

Petroleum hydrocarbon soil contamination was identified in underground tank locations LD-IGD-1 and LD-IGD-2. Contamination found was below screening levels.

Action Required By RWQCB:

No further action is required.

Air Products Response:

Air Products agrees with the RWQCB.

Responsible Care®
A Public Commitment

FINAL REPORT
REMEDIATION OF DIESEL CONTAMINATED SOIL
AIR PRODUCTS FACILITY
CARSON, CALIFORNIA

Ex Complex

Prepared For

AIR PRODUCTS AND CHEMICALS, INC.

Miguel Ortega

Miguel Ortega, P.G.
Project Manager

D M Lance For

John Kinsella, P.G.
Vice President, Operations

ECOVA Corporation
3820 - 159th Avenue N.E.
Redmond, Washington 98052
March 30, 1990

Project No. 825001

ECOVA

1. INTRODUCTION

This report summarizes the final phase of work completed by ECOVA Corporation (ECOVA) on behalf of Air Products and Chemicals, Inc. (APCI), at the APCI facility located at 23320 South Alemeda Street in Carson, California. ECOVA designed and operated a solid-phase biological treatment system at the site to remediate diesel contaminated soil. (Figure 1-1).

In this report we present:

- project background information
- project objectives
- excavation activities
- design and construction of the treatment bed
- baseline, process and final sampling methodologies
- results of analyses
- changes to the work plan resulting from discoveries in the field during the initial field work
- a review of the bioremediation methods
- treatment unit decommissioning

1.1 BACKGROUND

In January, 1989 ECOVA Corporation (ECOVA) of Redmond, Washington was retained by APCI to degrade the diesel contamination in the soil surrounding former UST 28.91. Development of a work plan and attainment of authorization to proceed from the South Coast Air Management District (SCAQMD) and the Los Angeles County Department of Public Works (LACDPW) resulted in a May 1989 startup of the project.

In August, 1987 in response to the State of California underground Fuel Storage Tank Law, APCI retained a contractor to remove four underground storage tanks (USTs) from their Carson, California facility. Upon excavation and removal of a 2,500-gallon diesel underground storage tank (UST 28.91), stained soil was observed in the tank pit (IT Corporation, 1988). At the time of removal, UST 28.91 had been empty and out of service for a period of 10 years. A subsequent environmental investigation was designed and implemented to determine the severity and extent of diesel contamination beneath and near the former UST 28.91. The results of the environmental investigation results showed that:

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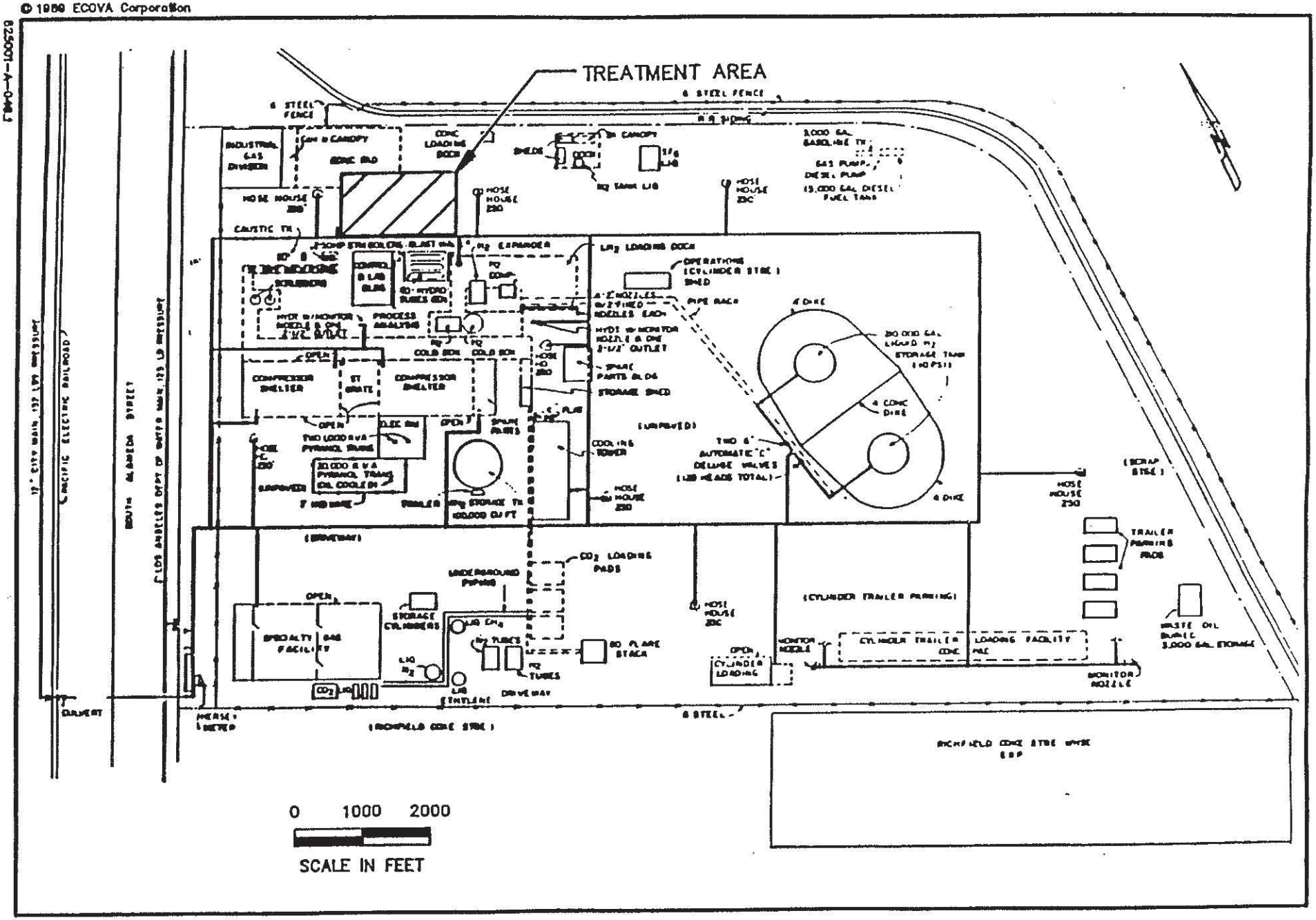


FIGURE 1-1. Site Map

- Leakage associated with the former UST 28.91 had contaminated a localized area beneath and around the tank
- The depth of contamination reached to 15 feet below surface
- Soil contaminants include petroleum hydrocarbons and the volatile diesel fuel constituents of benzene, toluene, ethylbenzene, and xylene isomers
- The horizontal limits of contamination was an area 50-feet on the North-South to 35-feet on the East-West around former UST 28.91
- Based on groundwater data from a boring, approximately 43-feet of unsaturated soil separate the plume from possible ground water contamination (IT Corporation, 1988)

1.2 PROJECT OBJECTIVES

The primary project objective is to achieve biodegradation of the diesel contaminated soil to a concentration allowing off-site disposal to a Class III landfill. The Total Petroleum Hydrocarbon (TPH) concentrations as measured by EPA method 418.1, must be reduced to concentrations below 100 mg/kg (ppm) and any remaining volatile organic compounds must be reduced to below the target cleanup levels accepted by the LACDPW and the California Regional Water Quality Control Board, Los Angeles Region (CRWQCB). Table 1-1 lists specific contaminant cleanup concentrations.

2. SUMMARY OF WORK

2.1 SOIL EXCAVATION

On March 8, 9, and 10, 1989, volume 410 cubic yards (yd^3) of petroleum hydrocarbon contaminated soil was excavated from the area immediately below and adjacent to the former diesel UST 28.91. Two backhoes and a trackhoe were utilized to excavate the contaminated soil. The ECOVA field geologist utilized the cross sections and boring logs provided in the site environmental investigation (IT Corporation, 1988) to confirm geologic indicators, such as a distinctive gray sand layer, which previous investigators noted as the bottom boundary of the contamination. The documented field data was used to supplement on-site air monitoring and visual inspection, as the soil removal process progressed, to determine the extent of contamination. The excavation resulting from the removal of contaminated soil measured 24 by 23 feet by 20 feet deep. Following excavation, the pit was backfilled with clean imported sand fill and compacted to 90 percent compaction.

To confirm that all the contaminated soil was removed from the excavation, ECOVA sampled the bottom and side walls of the excavation (Figure 2-1). A total of six samples were analyzed: one sample each from the north and south ends of the excavation bottom and two samples from each sidewall, composited into one sample. These samples were analyzed for Total Petroleum Hydrocarbons using EPA Method 418.1. The analytical results for the samples collected from the excavation bottom and walls are provided in Table 2-1. Analytical confirmation and visual inspection of the walls of the excavation indicated these areas are not contaminated.

2.1.1. TREATMENT AREA

The treatment bed was constructed on March 8, 1989, prior to the initiation of excavation activities. By building the treatment bed prior to excavating the soil, the field crew was able to place and spread the contaminated soil within the treatment bed as the excavation activities progressed. The contaminated soil was transported to the treatment area, located adjacent to the former truck scales area (Figure 2-2). The treatment area consists of a 1,020 square yard bermed treatment bed measuring 17 yards by 60 yards. The soil in the treatment bed was divided into a grid pattern of 11 individual cells measuring approximately 10 by 10 yards each. Since the area underlying the designated treatment area was covered with asphalt cement, the treatment bed was constructed by bringing in fill material to construct earth berms on top of the asphalt cement. The existing sewer drains were covered with visqueen as was a truck scale pad which made up a portion of the treatment bed floor (Figure 2-2).

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2.2 AIR MONITORING

In order to meet the SCAQMD emission monitoring requirements, ambient air volatiles were measured throughout the excavation and soil spreading operations. Volatile air emissions were measured using a photoionization detection meter (HNU MODEL ISPI 101) with a 11.7 eV probe. The HNU was calibrated on a daily basis using an Isobuthylene gas standard. Table 2-2 presents air emissions data for March 9, 1989 as an example of the measured emissions from the excavation operations. At no time during excavation or soil treatment operations did the measured emissions exceed 7.5 ppm based on a 99.6 ppm (span 3.30) Isobutylene gas standard.

2.3 TREATMENT OPERATIONS

Treatment operations began on March 10, 1989 and consisted of removing and stockpiling construction rubble from the treatment bed, watering, and cultivating the contaminated soil. A backhoe was used to remove and stockpile blocks of asphalt and concrete from the soil in the treatment bed. The clearing of the treatment bed was necessary to prevent damaging the disk that was used to cultivate the soil. Following the removal of rubble, a 150-horsepower tractor was mobilized to the site to pull a disk (12-inch diameter disks) over the contaminated soil in the treatment bed. The soil was disked for a period of four hours in order to maximize the circulation of air and water within the soil. The soil was initially disked two times per week for the first two weeks of treatment. Subsequently the soil was disked on a weekly basis until the monitoring sampling during the 9th week of treatment. Based on our experience with the solid phase biodegredation of diesel fuel in soil we did not feel that fertilizer or microbial inoculum needed to be added to the soil in the treatment bed.

2.4 SAMPLING

2.4.1 BASELINE SAMPLING

The treatment bed has been sampled two times during the project. The initial sampling (March 11, 1989) was conducted one day after the initial tilling of the soil to gather soil baseline chemical data. The second sampling (May 15, 1989) was conducted to determine the extent of TPH degradationn and to define the nature of the TPH found in the soil being treated (process monitoring).

To define the baseline chemistry of the contaminated soil composite soil samples were collected and analyzed from each of the 11 treatment bed cells. Each cell sample was a composite made up of five individual soil samples: a sample from the center of the cell, and four samples on the cell boundaries, north, south, east, and west of the midpoint of the cell (See Figure 2-2). These five samples were composited into one sample in the

field. At each sample location, a 12-inch long stainless steel core with two 6-inch inserts were was advanced into the soil. The inserts were then emptied into a stainless steel bowl and composited. The composite was then added to composites from the other sampling points within the cell and placed in individual airtight glass jars, and the caps wrapped in parafilm. The cell composites samples were placed in a cooler with ice, then cooled to 4 °C and shipped on the same day under full chain-of-custody procedures to ECOVA Analytical Services in Redmond, Washington.

The samples collected during the March 11, 1989 sampling were analyzed for TPH by EPA Method 418.1 Infrared Spectrophotometry (IR). In addition, the sample with the highest measured concentration of TPH was also analyzed using Gas Chromatograph (GC) methods, EPA modified 8020 (GC-FID), to determine the benzene, ethylbenzene, toluene, and xylenes content and EPA method 8015 to define the types of petroleum hydrocarbons that were being detected by the IR analyses.

2.4.2 PROCESS MONITORING

Following a nine week treatment period the soil in the APCI treatment bed was sampled for a second time on May 15, 1989. For reasons explained in Section 2.7.2 of this report, during this sampling (Process Monitoring) discrete samples were collected from each cell in the treatment bed, from a depth of 6 inches below surface to the base of the treatment bed (18 inches below surface). During the second soil sampling a total of 43 soil samples were collected from the treatment bed. Cell #1 was not completely filled with soil, therefore only three samples were collected from that particular cell.

Following labeling and preparation for shipping, the individual soil samples were placed in a cooler, iced down to 4 °C and shipped via overnight carrier to ECOVA for analysis on May 16, 1989.

2.5 DECONTAMINATION OF SAMPLING EQUIPMENT

To prevent cross-contamination of samples, all equipment used in the collection of samples was decontaminated at specific points designated in the sampling routine. Soil sampling equipment was decontaminated in accordance with the following procedures:

1. Brush or wipe any soil off the sampler, being sure that the inner surface is free of soil.
2. Scrub the sampler in TSP solution with a wire brush.
3. Rinse with potable water and then distilled water.
4. Repeat above procedure for stainless steel bowl used to composite samples and all sampling apparatus.

2.6 HEALTH AND SAFETY

A comprehensive Health and Safety Plan for the APCI site was developed for the protection of all onsite employees and subcontractors. Training on the specific hazards of this site was conducted prior to work, and monitoring of employee exposure is being conducted to ensure reduced risk as a cleanup operations continue. ECOVA has maintained adherence to the OSHA requirements for hazard waste site works and EPA study guidelines as appropriate.

2.7 ANALYTICAL RESULTS

2.7.1 BASELINE ANALYTICAL RESULTS

The results of the baseline sampling are summarized in Table 2-3. The measured TPH ranged from 399 to 866 mg/kg (parts per million-ppm) with an average concentration of 610 ppm. The cell with the highest measured TPH was Cell 1 and the measured TPH concentration of 2148 ppm was anomalously high. The results of EPA method 8015 analysis (GC-FID) on the composite sample from Cell 1 (APCI-C1) indicated that heavy end (long chain hydrocarbons) made up a considerable portion of the sample, with light end petroleum hydrocarbons and diesel making up the minor constituents of the petroleum hydrocarbons in sample APCI-C1 (see Table 2-4). The EPA method modified 8020 analysis indicated low concentrations of BTXs (see Table 2-5), thus confirming that the lighter petroleum hydrocarbons make up the minor fraction of the measured petroleum hydrocarbons in Cell 1.

2.7.2 CHANGES IN SAMPLING AND ANALYTICAL PROTOCOL

Based on the analytical results from the Baseline Analytical showing that the contaminant in the APCI soil consisted of a heterogenous mixture of several types of petroleum hydrocarbons (see Table 2-3 and Table 2-4). ECOVA elected to revamp the sampling/analytical protocol for the Process Monitoring. As was presented in Section 2.3.2 of this report the new sampling protocol for the Process Monitoring called for a greater number of samples to be collected. By collecting four discrete samples from each cell and sampling the lower 12-inches of the treatment bed, ECOVA could get a better understanding of the distribution of the different kinds of petroleum hydrocarbons within the treatment bed. By having better sample control, the soil within the cells could be better characterized.

An extra analytical procedure was also added to the TPH by IR analyses of the Process Monitoring suite of samples (May 15, 1989). The IR method is a straightforward and inexpensive way to measure the TPH content in the soil and it is routinely used to monitor petroleum hydrocarbon degradation when the contaminant is a

known petroleum distallate such as diesel. After analyzing Cell 1 in the baseline sampling it became apparent that the petroleum hydrocarbons in the APCI contaminated soil was not solely diesel but a heterogenous mix of petroleum hydrocarbons with some prominent long chain (greater than carbon -30) petroleum hydrocarbons. For the Baseline Analytical work, the soil samples were analyzed for TPH by the IR method which included the Oil and Grease fraction. During the Process Monitoring ECOVA modified the analytical procedures to eliminate the Oil and Grease fraction by treating the analytical extract with silica gel. The silica gel filtering screens any non-petroleum hydrocarbons, such as Oil and Grease, which the IR analysis picks up as petroleum hydrocarbons.

2.7.3 PROCESS MONITORING RESULTS

As can be observed in the analytical results from the Process Monitoring (Table 2-6) the TPH by IR (Oil & Grease) figures are approximately 1500 ppm higher in concentration than the silica gel filtered TPH by IR analyses. The difference can be attributed to bio residue and humic acids that are not petroleum hydrocarbons but are picked up by the IR analysis (EPA method 418.1) as petroleum hydrocarbons.

Following review of the Process Monitoring analytical data, ECOVA selected and analyzed composite soil samples from the cells which contained the highest concentrations of TPH (Cells 4, 6 and 9,see Table 2-7). The composite samples were then analyzed for TPH utilizing EPA Method modified 8015 (GC-FID) to characterize the petroleum hydrocarbons. Based on interpretation of the gas chromatographs by ECOVA analytical personnel it was determined that the majority of the TPH measured by IR is made up of an atmospheric residual of crude oil or a heavy bunker oil (see Figures 2-3, 2-4, 2-5, and 2-6).

3. BIOREMEDIATION CONSIDERATIONS

This section of the interim report summarizes the assumptions that were used to design the soil biological treatment program for the APCI site. The effectiveness of biological treatment processes at the facility will ultimately be limited by the nature of petroleum biodegradation and the specific petroleum hydrocarbons encountered. An analysis of these two factors suggests that the biodegradability of the APCI material is limited and that concentrations could "plateau" at approximately 30-40 percent of starting concentrations.

3.1 OVERVIEW OF PETROLEUM BIODEGRADATION

The biological degradation of petroleum hydrocarbons is a naturally occurring reaction. Complete biodegradation of petroleum ultimately results in carbon dioxide, water, and microbial biomass. The rate of this reaction, however, is highly dependent on a variety of factors including the specific structure of the compound; the availability of nutrients, oxygen and water for the microorganisms; and the nature of soil or other matrix in which the compound resides. Certain compounds can be biologically degraded over a very short time (hours), while other compounds such as asphaltics, are virtually totally non-degradable.

The susceptibility of petroleum to biodegradation varies with the types and sizes of its component molecules. There are several hundred individual component molecules in any given crude oil, and the overall degradability of a specific petroleum product will depend on the proportion of degradable compounds of which it is composed. For example, alkanes of intermediate chain length (C_{10}-C_{24}) are degraded most rapidly. However, very long chain alkanes become increasingly resistant to biodegradation, and after exceeding a molecular weight of 500-600 they cease to serve as carbon sources to microorganisms. Branching structures typical of asphaltics also reduce the rate of biodegradation, and aromatic compounds are degraded more slowly than alkanes. Condensed polycyclic aromatics and cycloparaffins, as well as high-molecular-weight alkanes, are degraded only very slowly.

The availability of nutrients and oxygen also has significant effects on petroleum degradation. In particular, nitrogen and phosphorus fertilizers, as well as oxygen, accelerate biodegradation. Additionally, proper pH and temperature help to produce favorable effects.

Solid-phase biological treatment processes are designed to remove constraints which slow degradation rates, such as limited nutrients and oxygen, and bring about rapid rates of degradation. Because of the variability in the source of petroleum hydrocarbon contamination, the chemical nature of contaminated soil, and other site-specific concerns, treatability studies are the most appropriate way of establishing proper treatment conditions. However,

in cases were the petroleum hydrocarbon is a known, such as diesel fuel, we can carry out the bioremediation utilizing parameters established during previous projects.

Based on review of the IT environmental study chemical data, it appeared that rapid and complete biodegradation of contaminants at the APCI facility was possible. As a result, it was assumed by ECOVA and APCI that the source contaminant was diesel and therefore the biodegradation would continue at this rate until degradation of the petroleum hydrocarbons reached the target concentration levels.

A subsequent evaluation of the Baseline and Process Monitoring analytical data by ECOVA, however, indicates that this assumption may not be valid, since a portion of the contaminant material is recalcitrant and a linear rate of degradation may not be possible. Specifically, there appears to be little further reduction in TPH concentration after the initial rapid drop. This suggests that in addition to the relatively easily degraded lower molecular fraction, the site material contains a larger molecular weight fraction that degrades at a much slower rate.

The analytical results clearly showed that although there remains a fraction of hydrocarbons (C-25 to C-30) amenable to biodegradation, a second tier of recalcitrant hydrocarbons exists that may not be amenable to biodegradation. Gas chromatographic evidence supports the probability that this recalcitrant fraction is composed of C-40 and longer-chain hydrocarbons. This fraction may average from about 30 to 40 per cent of the amount of TPH present in the contaminated soil.

3.2. SUMMARY

There is a major fraction of the hydrocarbons at the APCI site that are amenable to biodegradation. However, data also indicate a second group of recalcitrant hydrocarbons exist that will probably not biodegrade to any great extent. The overall degradability of the TPH at the APCI site may be 60-70 percent, leaving approximately 30-40 percent of the material as non-degradable to target TPH levels as measured by EPA method 418.1.

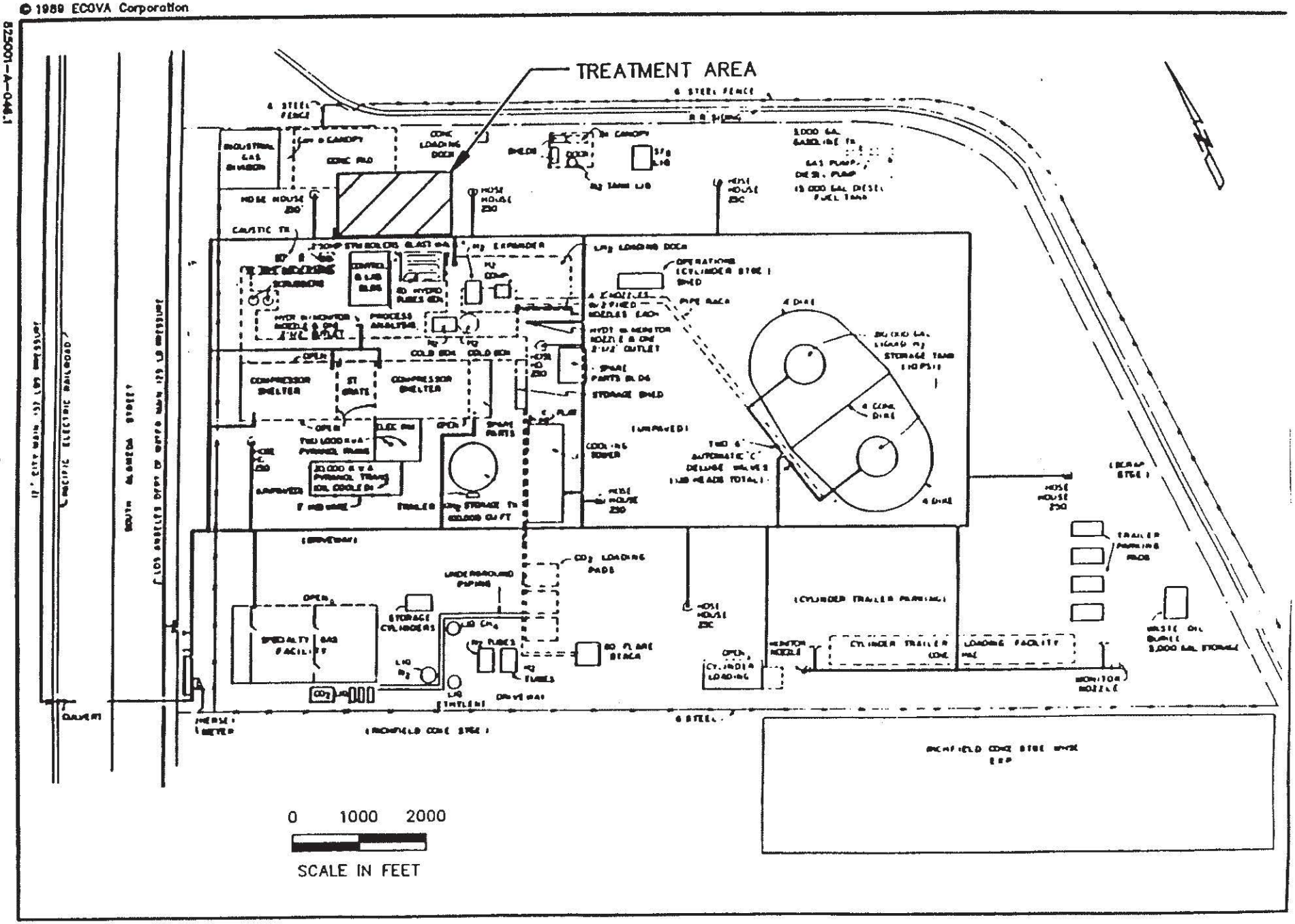
4. RECOMMENDATIONS

Analytical results from treatment bed samples collected on May 16, 1989 indicate: (a) that diesel fuel components have been eliminated or reduced to low (less than 280 ppm) concentrations from the treated soil and (b) that a significant portion of the hydrocarbons present in the treatment bed are heavy bunker oil or an atmospheric residual of a crude oil. The latter two substances are not amenable to rapid biodegradation.

Because crude oil is naturally present in background soil, ECOVA proposes that it is not necessary to dispose of the treated soil in a Class III landfill. Instead, soil in the treatment bed should be treated until all diesel fuel has been degraded and then kept on site and used as fill material as needed.

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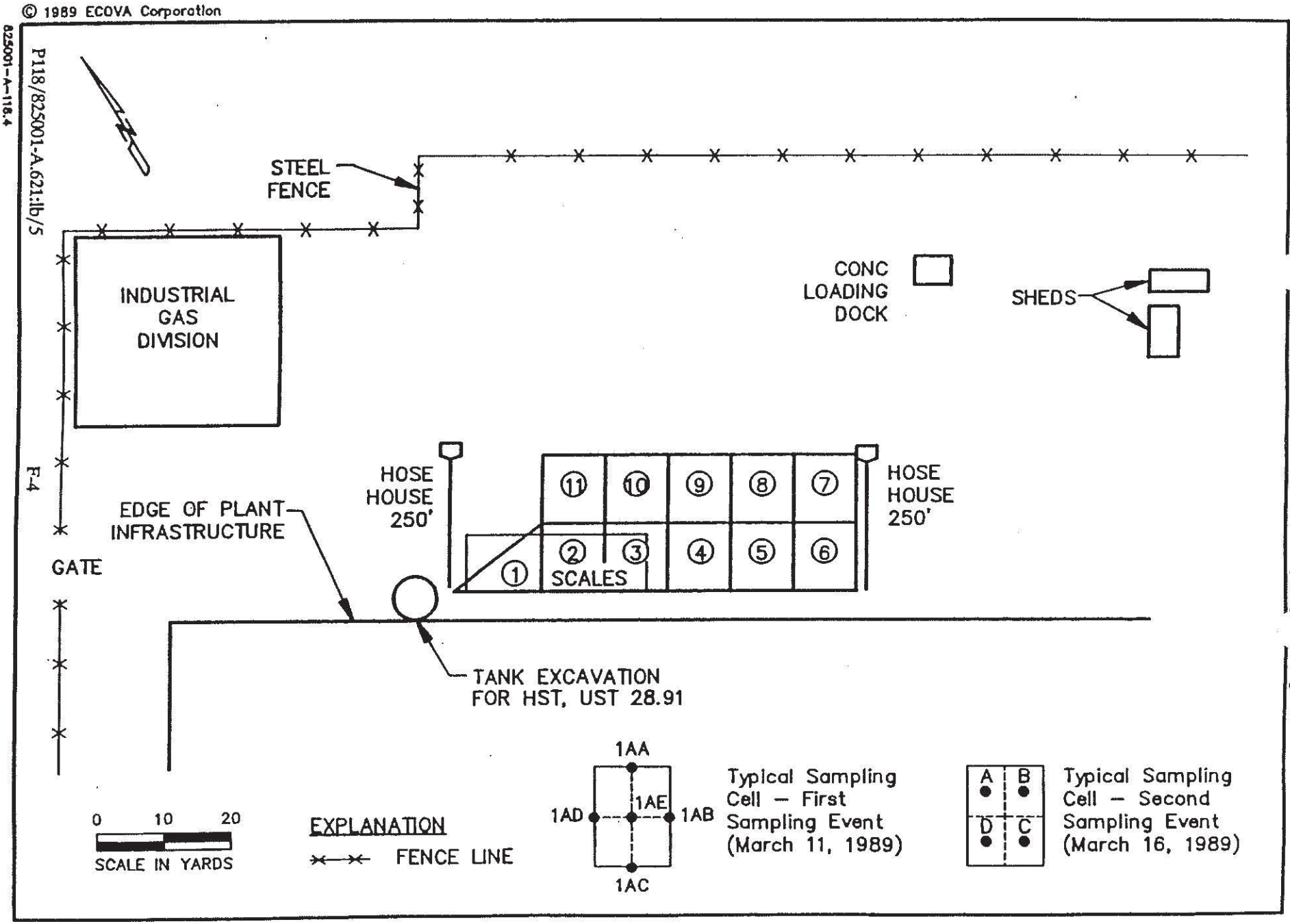
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F-4

FIGURE 2: Treatment Bed with Sampling Configurations

TABLE 2-6. Summary of APCI Cell Analytical Results
Process Monitoring Sampling - May 15, 1989 (continued)

Cell	Sample[1]	TPH (Oil & Grease)[2] (mg/kg)	TPH[3] (mg/kg)	Average TPH for Cell (mg/kg)
7	APCI-7-B	N/A	N/A[4]	
7	APCI-7-C	2710	1500	
7	APCI-7-D	2460	1350	1580
8	APCI-8-A	2800	1500	
8	APCI-8-B	730	390	
8	APCI-8-C	3730	2160	
8	APCI-8-D	3460	1720	1443
9	APCI-9-A	4610	2620	
9	APCI-9-B	9590	9590	
9	APCI-9-C	4210	2460	
9	APCI-9-D	1260	730	2350
10	APCI-10-A	4610	2460	
10	APCI-10-B	280	1450	
10	APCI-10-C	1350	590	
10	APCI-10-D	2230	1300	1450
11	APCI-11-A	2380	1120	
11	APCI-11-B	2230	1000	
11	APCI-11-C	1890	1120	
11	APCI-11-D	2300	1120	1090

[1] Sample from Depth Interval of 6 to 18 inches below treatment bed surface

[2] Analysis by EPA Method 418.1

[3] Analysis by EPA Method 418.1 with silica gel filtering to eliminate non petroleum hydrocarbons

[4] N/A = Not analyzed. Due to laboratory error the following samples were not analyzed:

- APCI-7-B
- APCI-4-D (was not analyzed for TPH, following silica gel treatment)

TABLE 2-6. Summary of APCI Cell Analytical Results,
Process Monitoring Sampling - May 15, 1989

Cell	Sample[1]	TPH (Oil & Grease)[2] (mg/kg)	TPH[3] (mg/kg)	Average TPH for Cell (mg/kg)
1	APCI-1-A	2020	1400	
1	APCI-1-B	2380	1500	
1	APCI-1-C	4040	2460	1787
2	APCI-2-A	3330	1960	
2	APCI-2-B	2800	1450	
2	APCI-2-C	2230	1210	
2	APCI-2-D	3460	1960	1645
3	APCI-3-A	1720	920	
3	APCI-3-B	4210	2540	
3	APCI-3-C	1890	1080	
3	APCI-3-D	2710	1550	1523
4	APCI-4-A	5090	3460	
4	APCI-4-B	2540	1450	
4	APCI-4-C	4040	2300	
4	APCI-4-D	3110	N/A[4]	2403
5	APCI-5-A	2900	1830	
5	APCI-5-B	5710	1720	
5	APCI-5-C	5090	2710	
5	APCI-5-D	4210	1960	2055
6	APCI-6-A	3590	1960	
6	APCI-6-B	4830	2540	
6	APCI-6-C	5380	3110	
6	APCI-6-D	3330	1830	2360
7	APCI-7-A	3730	1890	

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SCAQMD RULE 1166 SOIL EXCAVATION OVERSIGHT REPORT

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1.0 Introduction

The Air Products and Chemicals, Incorporated (APCI) Carson Hydrogen Facility (site), is located in Carson, Los Angeles County, California, at 23300 South Alameda Street (Figure 1). The site is fenced and occupied by one temporary building on an unpaved lot. The surrounding area consists of industrial properties with the Texaco Sulfur Recovery Facility to the north, and the APCI Specialty Gas Facility and the ARCO Coke Storage Facility to the south.

The site is owned by ARCO, and has been leased by APCI since 1962. In 1962, APCI built a hydrogen purification and liquefaction facility which manufactured liquid and gaseous hydrogen. This manufacturing facility was in operation from 1962 until 1986. The facility was decommissioned and was demolished in 1992 and 1993. All underground storage tanks (USTs) and aboveground storage tanks (ASTs) were removed between the years of 1987 and 1993. Under the direction of the Los Angeles Regional Water Quality Control Board (RWQCB), an in-situ soil vapor extraction system was in operation at the west end of the site between May of 1995 and November of 1996 to remediate past hydrocarbons releases. The RWQCB granted closure of the site in 1997.

The site is located in the Dominguez Gap within the southern portion of the Central Section of the Los Angeles Basin. Shallow soils in this portion of the Basin are mainly recent clays, silts and sands that extend to the Gage Aquifer at approximately 60 feet below surface.

APCI intends to construct a new hydrogen facility on the site. In preparation for this construction, APCI has conducted demolition of some remaining foundations and associated footers from the previous hydrogen facility, as well as other pre-construction activities. These activities included the excavation of soil in several areas of the site.

1.1 Objectives

IT Corporation (IT) was contracted by APCI to perform air monitoring, environmental engineering oversight, soil sampling, and South Coast Air Quality Management District (SCAQMD) Rule 1166 report preparation for activities conducted during the demolition of

certain concrete foundations and associated footers near the west end of the site, and subsequent excavation in preparation for new foundations and footers to be located in this area. Because of the location of the site in the refinery area of Carson and its history of hydrocarbon contamination, APCI anticipated that soils affected by hydrocarbons might be encountered during the demolition and excavation. This report summarizes the field operations, soil excavation and stockpiling activities, field and laboratory analyses, soil removal from the site for disposal, and backfilling operations. All operations were completed in accordance with the conditions stipulated by the SCAQMD Rule 1166 Contaminated Soil Mitigation Plan No. 342375 (Appendix A).

2.0 Field Activities

This section summarizes field activities, including air monitoring, excavation, soil sampling, soil analysis, and backfilling.

2.1 Air Monitoring

On August 25, 1998, air monitoring began, in accordance with SCAQMD Rule 1166 Mitigation Plan No. 342375. Both soils and airspace were monitored using an Hnu® P1-101 Model photo-ionization detector (PID) calibrated to hexane gas (Photo 1). The calibration of the PID was confirmed using manufacturer's recommended procedures and hexane gas standardized to 100 parts per million (ppm) at the beginning and end of each day in which excavation activities were conducted.

PID measurements were taken throughout the excavation activities at time intervals not exceeding 15 minutes. All measurements were entered into SCAQMD Rule 1166 Soil Monitoring Records. Whenever applicable, notations as to sample location, depth, and details of excavation activities were also noted on the Monitoring Records. Monitoring Records are presented in Appendix B.

In accordance with Section III, Condition 14 of the Mitigation Plan, SCAQMD was notified of PID measurements exceeding 50 ppm. On August 27, 1998, reference number EH-98-0336 was provided by the SCAQMD. On August 31, 1998, the SCAQMD provided reference number EH-98-0338 for all remaining soils removed from August 27, 1998 to the end of the excavation activities.

2.2 Vapor Suppression Activities

Throughout the excavation activities, particular care was taken to maintain proper vapor suppression (Photo 2). The excavation area was frequently sprayed with water and all areas of the excavation not within the immediate work area were covered with plastic sheeting (Photo 3). Excavated soils were stockpiled on the site according to the conditions of the Mitigation Plan. All stockpiles of potentially contaminated soil were placed on plastic sheeting, sprayed with water and covered with plastic sheeting (Photo 4). All sheeting was secured and anchored to prevent exposure of potentially contaminated soils to the atmosphere.

2.3 Excavation

Demolition and excavation activities began August 25, 1998 and were completed September 1, 1998. Excavation was conducted by Howard Contracting Incorporated (HCI) of Los Alamitos, California. An estimated total of 1200 cubic yards of soil was removed and placed into one of two stockpile areas, one containing soils with PID measurements less than 50 ppm ("< 50 ppm stockpile") and the other with PID measurements equal to or higher than 50 ppm ("> 50 ppm stockpile"). The excavation was approximately 93 feet long north to south and 75 feet wide east to west, with depths varying from 3 feet to 7 feet below ground surface (bgs) (Figure 2).

2.4 Soil Sampling

Ten soil samples were taken of stockpiled soils on September 2, 1998, entered into chain of custody records, and delivered in ice-chilled coolers to Enviro-Chem, Inc. (Enviro-Chem) in Pomona, California. Nine samples were taken from the > 50 ppm stockpiles and one from the < 50 ppm stockpile. The nine samples from the > 50 ppm stockpiles were composited into three composite samples by the laboratory. All four samples were analyzed for total petroleum hydrocarbons (TPH) by United States Environmental Protection Agency (EPA) Method 8015M, volatile organic compounds (VOCs) by EPA Method 8260A, and Title 22 metals by EPA Methods 6010A, 7196A, and 7471A. Based upon elevated lead and mercury concentrations, the samples were further analyzed for soluble lead and mercury using the California Waste Extraction Test (WET) and by EPA Method 1311 Toxicity Characteristic Leaching Procedure (TCLP). Laboratory Reports are presented in Appendix C.

No VOCs were detected in the samples. All samples contained elevated levels of hydrocarbons in the diesel (C10-C22) and oil (C22-C35) ranges, but no gasoline or kerosene range hydrocarbons were detected in any of the samples. Barium, chromium, cobalt, copper, nickel, selenium, vanadium, and zinc were detected in one or more of the samples at relatively low concentrations. Analytical results are presented in Table 1. Soluble lead concentrations in all samples exceeded the California soluble threshold limit concentration (STLC) of 5 milligrams per liter (mg/L), which resulted in the soil being classified as a California hazardous waste. Lead TCLPs for all four samples were less than the 5.0 mg/L threshold limit. Mercury TCLP for one sample measures less than the 0.2 mg/L threshold limit. Thus, soil was not a RCRA hazardous waste.

Because APCI anticipated transporting the contaminated soil to a disposal facility in Arizona, the nine samples from the >50 ppm stockpiles were transferred to Del Mar Analytical Services (Del Mar), an Arizona certified laboratory, for analysis of BTEX and polynuclear aromatic hydrocarbons (PAHs). Some PAHs were detected in all three composite samples at relatively low concentrations. Benzene and toluene were detected in low concentrations in the composite sample STK1-7,8,9. Analytical results are presented in Table 2.

2.5 Removal of Contaminated Soil

A total of approximately 1782 tons or 1200 cubic yards of stockpiled, contaminated soil was removed from the site (US EPA ID No. CAC002102136). All soils were loaded and hauled by Ecology Control Industries (ECI) to Browning-Ferris Industries, Inc.'s (BFI) La Paz County Landfill in Parker, Arizona (US EPA ID No. AZC950823111). Removal operations took place between September 17, 1998 and September 22, 1998. Copies of hazardous waste manifests are included in Appendix D.

2.6 Backfilling and Compaction

Backfilling and compaction operations were conducted between September 10, 1998 and September 13, 1998 by HCI. Backfilling oversight and compaction testing was conducted by Globus Engineering Incorporated (Globus) of San Pedro, California. The excavation was backfilled with soils from the <50 ppm stockpile and other uncontaminated soils stockpiled on the site.

3.0 Certifications and Limitations

The statements, opinions and conclusions contained in this report are based solely upon the services performed by IT Corporation as described in this document and the contracted scope of work established by APCI and the terms and conditions of the contract agreement with APCI. In performing these services and completing this document, IT Corporation utilized and relied upon the work and information provided by others, including public agencies, whose information cannot be guaranteed by IT Corporation.

This document is intended for the sole and exclusive use of APCI. The findings of this document are limited to those specifically expressed in the document and no other representations or warranties are given by IT Corporation and no additional conclusions should be reached or representations relied on other than those expressly stated in the report and as limited by contracted IT Corporation Terms and Conditions.

IT Corporation performed the field operations, investigations and analyses described in this document in accordance with currently accepted professional standards of environmental investigation, analysis and engineering. The results presented in this document are considered representative of conditions at the time the work was performed. If there are any questions about the information presented in this report, please call the undersigned at (714) 261-6441.

Respectfully submitted,
IT CORPORATION

Paul R. Dinkmeyer, R.G.
California Registered Geologist No.
Project Manager

Juli C. Jameson
Project Geologist

TABLE 1
SOIL STOCKPILE ANALYTICAL RESULTS
CARSON HYDROGEN FACILITY
AIR PRODUCTS AND CHEMICALS, INC.
Project No. 773695

Analysis	Method	Detection Limit (ppm)	Sample Identification			
			STK 1-1,2,3 (ppm)	STK 1-4,5,6 (ppm)	STK 1-7,8,9 (ppm)	STK 2-1 (ppm)
Barium	EPA 6010A / TTLC	5.0	134	129	180	117
Chromium	EPA 6010A / TTLC	5.0	14.3	15.5	15.1	14.8
Cobalt	EPA 6010A / TTLC	5.0	7.71	7.74	7.19	7.43
Copper	EPA 6010A / TTLC	5.0	45.4	47.9	54.0	26.3
Lead	EPA 6010A / TTLC	5.0	329	283	525	52.8
Mercury	EPA 7471A / TTLC	0.1	0.531	3.14	1.34	0.305
Nickel	EPA 6010A / TTLC	5.0	15.2	16.1	15.0	14.0
Selenium	EPA 6010A / TTLC	1.0	1.36	ND<1	1.04	ND<1
Vanadium	EPA 6010A / TTLC	5.0	31.1	33.3	32.4	31.8
Zinc	EPA 6010A / TTLC	5.0	289	527	527	129
TPH - Gasoline Range	EPA 8015M	10	ND<10	ND<10	ND<10	ND<10
TPH - Kerosene Range	EPA 8015M	10	ND<10	ND<10	ND<10	ND<10
TPH - Diesel Range	EPA 8015M	10	288	313	400	15.0
TPH - Oil Range	EPA 8015M	100	685	1460	1580	156
Lead	STLC Analysis	0.1	14.1	85.5	45.9	2.90
Mercury	STLC Analysis	0.01	NR	ND<0.01	NR	ND<0.01
Lead	TCLP	0.1	0.170	0.218	0.710	ND<0.1
Mercury	TCLP	0.01	NR	ND<0.01	NR	NR
Volatile Organics	EPA 8260A	0.01*	ND	ND	ND	ND

* - Detection limit for all volatile organic compounds is 0.01 ppm with the exception of total xylenes, which is 0.02 ppm
EPA - Environmental Protection Agency
NR - No result. Lab analysis was not required.
ND - Not detected.
ppm - parts per million
STLC - Soluble Threshold Limit Concentration
TPH - Total petroleum hydrocarbons

TABLE 2
SOIL STOCKPILE ANALYTICAL RESULTS
CARSON HYDROGEN FACILITY
AIR PRODUCTS AND CHEMICALS, INC.
Project No. 773695

Analysis	Method	Sample Identification		
		STK 1-1,2, (ppm)	STK 1-4,5, (ppm)	STK 1-7,8,9 (ppm)
Benzene	EPA 8021B	ND<0.005	ND<0.005	0.38*
Toluene	EPA 8021B	ND<0.005	ND<0.005	0.13*
Ethyl Benzene	EPA 8021B	ND<0.005	ND<0.005	ND<0.10*
Total Xylenes	EPA 8021B	ND<0.015	ND<0.015	ND<0.30*

Analysis	Method	Sample Identification		
		STK 1-1,2, (ppb)	STK 1-4,5, (ppb)	STK 1-7,8,9 (ppb)
Benzo(a)pyrene	EPA 3550/8310	92	140	640
Benzo(b)fluoranthene	EPA 3550/8310	110	ND<100	360
Benzo(g,h,i)perylene	EPA 3550/8310	140	ND<250	ND<500
Chrysene	EPA 3550/8310	460	570	2500
Dibenz(a,h)anthracene	EPA 3550/8310	ND<130	ND<250	500
Fluoranthene	EPA 3550/8310	ND<130	ND<1000	540
Phenanthrene	EPA 3550/8310	130	ND<250	720
Pyrene	EPA 3550/8310	ND<130	ND<250	1300

* - Duluted by a factor of 20
EPA - Environmental Protection Agency
ND - Not detected.
ppm - parts per million
ppb - parts per billion

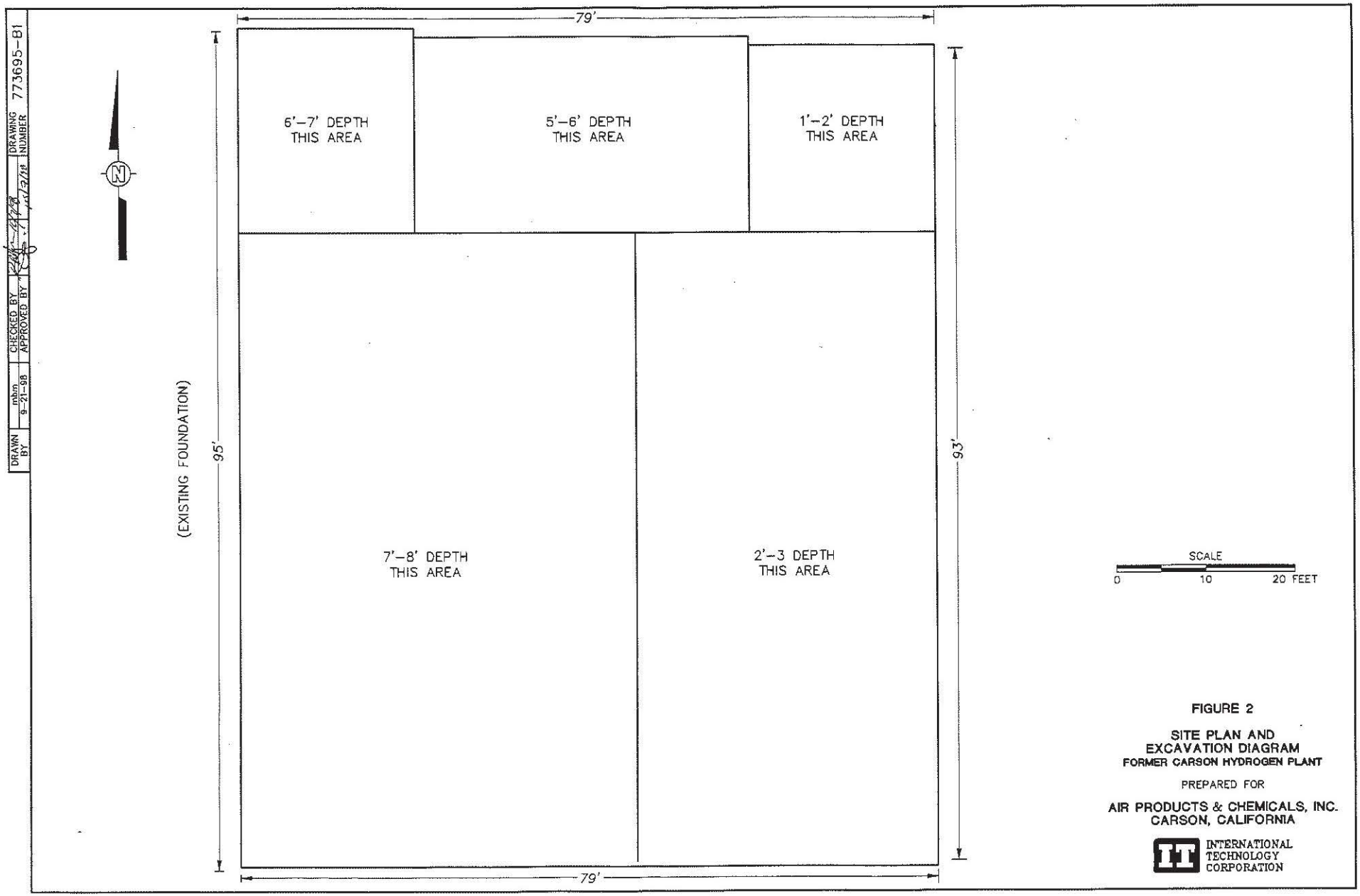


FIGURE 2

SITE PLAN AND EXCAVATION DIAGRAM
FORMER CARSON HYDROGEN PLANT

PREPARED FOR

AIR PRODUCTS & CHEMICALS, INC.
CARSON, CALIFORNIA

INTERNATIONAL TECHNOLOGY CORPORATION

DRAWN BY: HDS 6-11-98
CHECKED BY: [illegible]
APPROVED BY: [illegible]
DRAWING NUMBER: 773695-A1

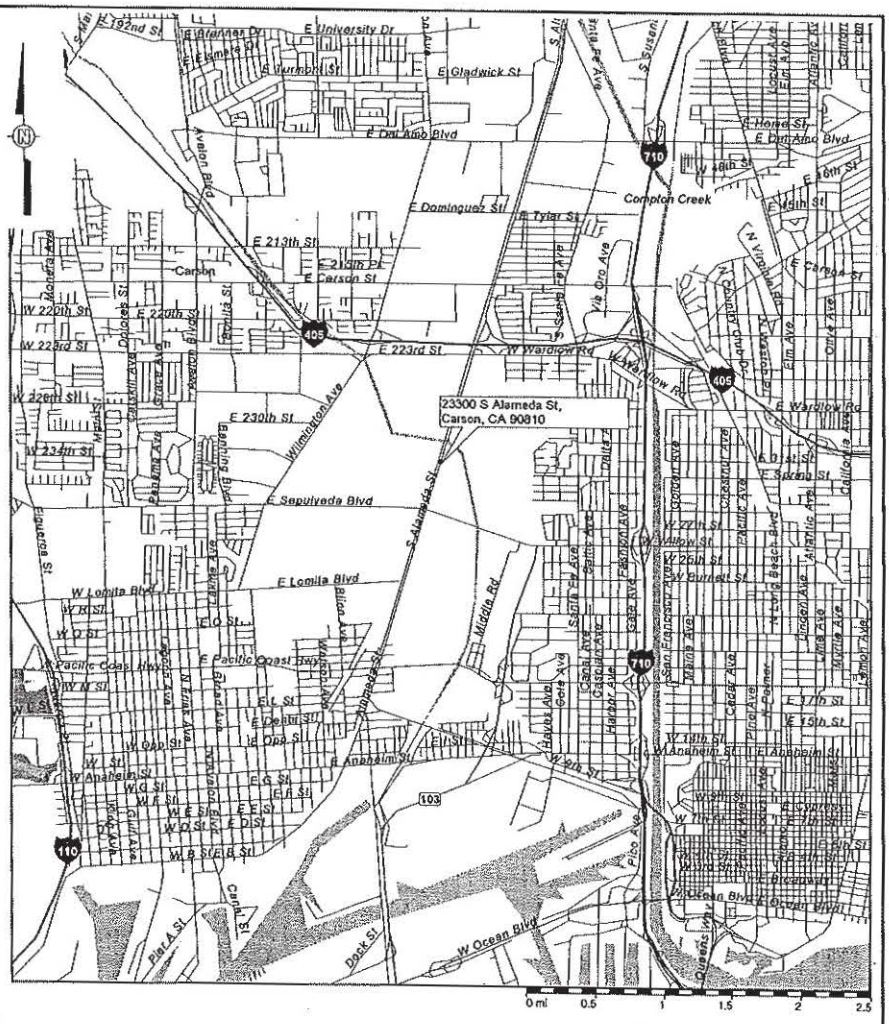


FIGURE 1

SITE LOCATION MAP
AIR PRODUCTS AND CHEMICALS, INC.
CARSON, CALIFORNIA

REFERENCE:
MICROSOFT AUTOMAP/STREETSPLUS
DATE: 1996

PREPARED FOR
AIR PRODUCTS & CHEMICALS, INC.
CARSON, CALIFORNIA

INTERNATIONAL TECHNOLOGY CORPORATION

State of California
Environmental Protection Agency

UNDERGROUND STORAGE TANK CASE REVIEW FORM

Los Angeles Regional
Water Quality Control Board

Date: September 23, 1997	LUSTIS file no.: # I-05385	Case reviewer: KEITH ELLIOTT	
Site Name/Address: **Air Products & Chemicals Inc.** **23320 Alameda Street, South** **Carson, CA**	Responsible parties: Robert J. Swigart	Address: Air Products & Chemicals Inc. 7201 Hamilton Boulevard Allentown, PA 18195-1501	Phone no.: (610) 481-8867

I. CASE INFORMATION (N/A = Not Applicable)

Tank No.	Size in Gallons	Contents	Closed in-place/Removed?	Date
LD-IGD-1	3,000	Gasoline	Removed	08/04/87
LD-IGD-2	12,000	Diesel Fuel	Removed	08/04/87
3 (28.5)	2,000	Waste Oil	Removed	08/04/87
4(28.91)	2,500	Diesel Fuel	Removed	08/04/87
5	6,000	Caustic	Removed	05/18/93

II. SITE CHARACTERIZATION INFORMATION (GW=groundwater, -- =Not Reported)

GW Basin: West Coast HSA - Coastal Plain	Beneficial uses: MUN	Depth to drinking water aquifer: About 400 feet bgs	
Distance to nearest municipal supply well: 0.85 miles		Distance between known shallow GW contamination and aquifer: 350 feet	
GW highest depth:5 ft bgs	GW lowest depth:65 ft bgs	Well screen interval: No GW monitoring wells installed on-site	Flow direction: West/Southwest
Soil types: Silty sand, sand, and gravel.		Maximum soil depth sampled: 58 feet	

III. MAXIMUM DOCUMENTED CONTAMINANT CONCENTRATIONS -- Initial and Latest (ND=Non-detect; NRQ=Not required)

Contaminant	Soil (mg/kg)		Water (µg/L)		Contaminant	Soil (mg/kg)		Water (µg/L)	
	Initial (1993)	Latest (1996)	Initial (Year)	Latest (Year)		Initial (1993)	Latest (1996)	Initial (Year)	Latest (Year)
TPH (Gas)	7,170	8,600			Ethylbenzene	57	63		
TPH (Diesel)	50,400	2,300			Xylenes	320	280		
Benzene	91	180			MTBE	NA	ND(5/1/97)		
Toluene	450	350			Other				

IV. SOIL REMEDIATION

Method:Excavation with on-site bioremediation of about 410 cubic yards of soil from Tank 28.91 In addition, SVE for the process area.	Duration of remediation: 1 year SVE.

V. GROUNDWATER REMEDIATION

Method: N/A	Duration of remediation: N/A

VI. FREE PRODUCT:

Was free product encountered? The report indicates Yes, in excavation for caustic tank (BH-9) also in BH-16 however, this is believed to be an elevated perched ground water with petroleum hydrocarbon upon this water.	Has free product been totally recovered? yes
When was free product recovery project completed? 8/96 when SVE system shut down.	

VII. RECOMMENDED ACTION:

Soil Closure only: Yes	Case Closure: Yes	Solvent Case? NO
Additional Action Required (i.e.: additional site assessment, remediation, monitoring): NONE		

VIII. COMMENTS AND JUSTIFICATION FOR RECOMMENDED ACTION:

This site is adjacent to the Carson Reg l Ground Water Group which has extensive phase hydrocarbons upon the ground water. In addition, there are numerous pipelines along the adjacent Alameda Street. Also, there were releases from above ground storage tanks at the subject site.

A crossgradient gauge aquifer monitoring well M-2 identified 0.9 mg/kg TPH & ND for BTEX and crossgradient monitoring well 33-D was ND for TPH & BTEX in 4/97. There were no downgradient monitoring wells analyzed before reaching the downgradient free-phase hydrocarbon "Pool 1" plume at the Arco refinery which had 14.84 feet of free product in the closest well AMR/554-D.

The SVE system operated for one year and developed asymptotic conditions. Tested for rebound conditions which were minimal.

Elevated contaminant concentrations noted above are in area of caustic tank where a plastic liner was placed into excavation prior to backfilling. This liner inhibited SVE treatment of soils. The remaining site appears to have been remediated to more acceptable levels.

Close site based upon Level 2 MTBE and "Common Sense" closure criteria with limitation for industrial use at site.

Air Products and Chemicals, Inc.
7201 Hamilton Boulevard
Allentown, PA 18195-1501

Telephone (610) 481-4911

AIR PRODUCTS

27 February 1997

97 MAR -5 AM 10:35
LOS ANGELES REGION

Mr. Keith Elliot
RWQCB
Los Angeles Region
101 Centre Plaza Drive
Monterey Park, CA 91754-2156

Re: File No. 100.315
Air Products Manufacturing Corp., 23320 South Alameda St., Carson, CA

Dear Keith:

As requested in your 20 November 1996 letter, Air Products hereby provides the Regional Water Quality Control Board (the Board) with our closure investigation report for the above referenced former hydrogen manufacturing site. As you recall, Air Products operated a soil vapor extraction system (SVE) at this site from May 1995 to November 1996. Following a series of rebound tests, which showed no significant benefit to the continued operation of the SVE system, the Board granted Air Products permission to shut down the SVE system. Subsequently, Air Products' contractor, Terra Vac Inc., prepared a site closure investigation workplan which was approved by the RWQCB. According to the workplan, Air Products drilled five closure borings (CB-1 through CB-5) to an approximate depth of 30 feet below grade and conducted field organic vapor analyses (OVA) during each boring in order to identify any soils with remaining hydrocarbons. Described below is a summary of the five boring locations. Three soil samples from each boring were selected for laboratory analysis, based on the OVA screening, and each sample was analyzed for TPH Diesel, TPH Gasoline, and BTEX.

Closure boring CB-1 was situated where the former 10,000 gallon aboveground diesel and 10,000 gallon aboveground hydrocarbon condensate tanks were located. Closure boring CB-2 and closure boring CB-3 were situated in order to assess the effectiveness of the SVE system in a northerly and southerly direction respectively. Closure boring CB-4 was situated where the former 2,500 gallon underground diesel tank #28.91 was located and closure boring CB-5 was situated where the former 6,000 gallon underground spent caustic solution tank #28.70 was located.

To summarize the results of our closure boring investigation, two borings (CB-2 and CB-4) showed total elimination of hydrocarbons, two other borings (CB-1 and CB-3) showed a nearly total elimination of hydrocarbons, and one boring (CB-5) showed some hydrocarbons remaining. It appears that the overall effectiveness of the SVE system in removing hydrocarbons was good; however, this effectiveness varied somewhat within a closure boring and among closure boring areas. Air Products believes that the site conditions explained below are responsible for these variations in hydrocarbon removal effectiveness.

Based on the "none detected" readings at all levels in CB-2 and CB-4, it appears that the SVE system was completely effective in the northern area of the site where these borings were located. CB-4 was situated where the former underground tank #28.91 was located. The soil in the area surrounding these two closure boring locations appears to be uniformly sandy and porous to the extent that it was well suited to influence from the nearby vapor extraction wells. The SVE system was also very effective in the area where CB-1 and CB-3 were located; however, it was not quite as effective as the CB-2/CB-4 northern area. Air Products attributes this difference in effectiveness to clay layers present at two depths. Clay is less porous than other soil components and serves as a barrier for the downward movement of water from surface infiltration. The clay layers and perched water discovered in CB-1, CB-3, and CB-5 at approximately 5-10 feet and 25-35 feet below grade apparently prevented the SVE system from achieving a "none detected" level of hydrocarbon removal. The existence of the two clay/perched water layers also explains the clean, "none detected" layer of soil found between the two clay layers in CB-1, CB-3, and CB-5.

At 15 and 35 feet below grade, the CB-5 (former underground tank #28.70) location appears to have been less affected by the SVE system. This was quite puzzling at first, given that three vapor extraction wells had operated in close proximity of the CB-5 area. This may be related to two conditions. One is that our past consultant, IT Corp., upon removing underground tank #28.70, had placed a plastic liner in the excavation pit prior to placing the contaminated soil back in the hole. This plastic liner probably acted as a vapor barrier and isolated the 0-10 or 0-15 foot below grade section of the CB-5 area from the beneficial effects of the SVE system. The second condition, and probably the major cause for the reduced treatment efficiency at CB-5, must be the existence of the clay/perched water condition. For some reason, though, the lower treatment efficiency was more dramatic than at CB-1 or CB-3. This may have been due to more clay and/or perched water at CB-5, or SVE well construction.

Given the recent regulatory changes in site clean-up criteria, where the old system of assigning a single numerical target for all sites has shifted to a risk based system where closure targets are more site specific, Air Products is not sure what the Board's position would be regarding the CB-5 area. This is an industrial site that is leased from a refinery and which is bordered by a refinery, a sulfur recovery plant, and a coke storage operation. Although some hydrocarbons remain at the CB-5 area, Air Products believes they present a very low risk. The site is flat and the clay layers and concrete/asphalt covering serve to prevent the downward migration of contamination. The hydrocarbons at the 35 foot depth are 25 to 30 feet above the permanent groundwater level. This permanent groundwater, the Gage Aquifer trends in a westerly direction. No known municipal use exists for the groundwater beneath the site and the nearest known down gradient well is approximately 2.5 miles to the west. Given these facts, Air Products proposes no further action and requests Board closure for the site.

Air Products hereby requests that the Board provide comments to Air Products regarding this closure investigation and our interpretations of the results. Air Products also asks that the Board now grant closure for former underground diesel tank # 28.91 based on the CB-4 analytical results of "none detected" for TPH diesel, TPH gasoline, and BTEX; and for former underground caustic solution tank # 28.70. In addition, given the low risk associated with the hydrocarbons remaining in the CB-5 area, Air Products proposes no further action be required and that the Board grant closure approval for the SVE system area. We would appreciate your prompt response in this regard. If you have any questions please call me at (610) 481-8867.

Sincerely,

Robert J. Swigart
GEG Environmental, Health & Safety Team

RJS/sab/lbrwqcb9

c: Dean Kirk
ARCO Products Company
Los Angeles Refinery
Box 6210
Carson, CA 90749-6210

Stephen Mutch
Terra Vac
17821 Mitchell Avenue
Irvine, CA 92614-6003

Responsible Care®
A Public Commitment

Long Beach

cc: E. C. Thompson
G. F. Thompson
(all)

INTERNATIONAL TECHNOLOGY CORPORATION

August 27, 1987

Project No. 202107-04

RECEIVED
SEP 03 1987
IGD ADMIN.

Mr. Blair D. Burgess
Civil Engineering Assistant (213) 226-4111
Los Angeles County
Department of Public Works
2250 Alcazar Street
P. O. Box 4089, Terminal Annex
Los Angeles, California 90051

Tank Closure Report
Air Products and Chemicals, Inc.
Carson, California

Dear Mr. Burgess:

The following letter report describes activities conducted by IT Corporation (IT) during the removal of four underground storage tanks. The tanks formerly were located at the Air Products and Chemicals, Inc. (APCI) facility located at 23320 South Alameda Street in Carson, Los Angeles County, California.

BACKGROUND

The APCI Carson facility had four underground storage tanks to be removed. They are as follows:

Tank #	Identification	Volume (Gal.)	Contents
LD-IGD-2	8807	12,000	Diesel Fuel
LB-IGD-1	E-67364	3,000	Gasoline
28.5	E-36350	2,000	Waste Oil
28.91	26076	2,500	Diesel Fuel

The tanks' former locations are illustrated in Figure 1.

FIELD INVESTIGATION

Tank Cleaning

On August 4, 1987, IT triple-rinsed the interior of the four tanks with a pressure washer to remove any hydrocarbon residues. Using a vacuum truck, approximately 1300 gallons of wash water were removed from the tanks and transported under hazardous waste manifest #87086134 to Petroleum Recycling, Inc. located in Signal Hill, California. Mr. Daniel F. O'Connell of APCI signed the manifest and retained the generator's copies.

Inspector Ray Williams of the Los Angeles County Fire Prevention Division supervised the testing of all the tanks with a GX-3 meter prior to the removal operation. All tanks were properly inerted with 15 pounds of dry ice per 1000 gallons.

Tank Removal

IT excavated and removed the four underground storage tanks on August 4, 1987. No visible indication of leakage nor obvious holes in the steel tanks were noted with tanks LD-IGD-1, LB-IGD-2, and 28.5. What appeared to be petroleum contamination was observed below and on all four sides of the excavation for Tank 28.91. The tanks were transported as a non hazardous waste to American Metal Recycling, Inc. in Ontario, California. The certificate of destruction is attached.

Soil Sampling

Under the direction of Ms. Bonnie M. Keolian, Industrial Waste Engineering Inspector for Los Angeles County Department of Public Works, and per Closure Permit No. 3036 B File No. I-5385-22, a total of eight soil samples were obtained from a depth of two feet below the invert of the tanks. The samples were designated #1 through #8. The locations of the samples are detailed in Figures 2 and 3.

Soil from the designated areas was removed using a backhoe bucket. Grab samples were collected from the backhoe bucket using a hand trowel and placed in 16 ounce jars with Teflon septums. The jars were sealed, labeled, entered into the IT Chain-of-Custody, and immediately placed on ice to prevent volatilization until delivery to the laboratory.

LABORATORY TESTING

Soil samples were analyzed by IT Analytical Services Laboratory of Cerritos, California, for total petroleum hydrocarbons (TPH) according to U.S. EPA Test Method 418.1 and 8015. The results of the sampling are summarized in Table 1. Copies of the Certificate of Analysis and the Chain-of-Custody records are enclosed.

CONCLUSIONS AND RECOMMENDATIONS

Summary

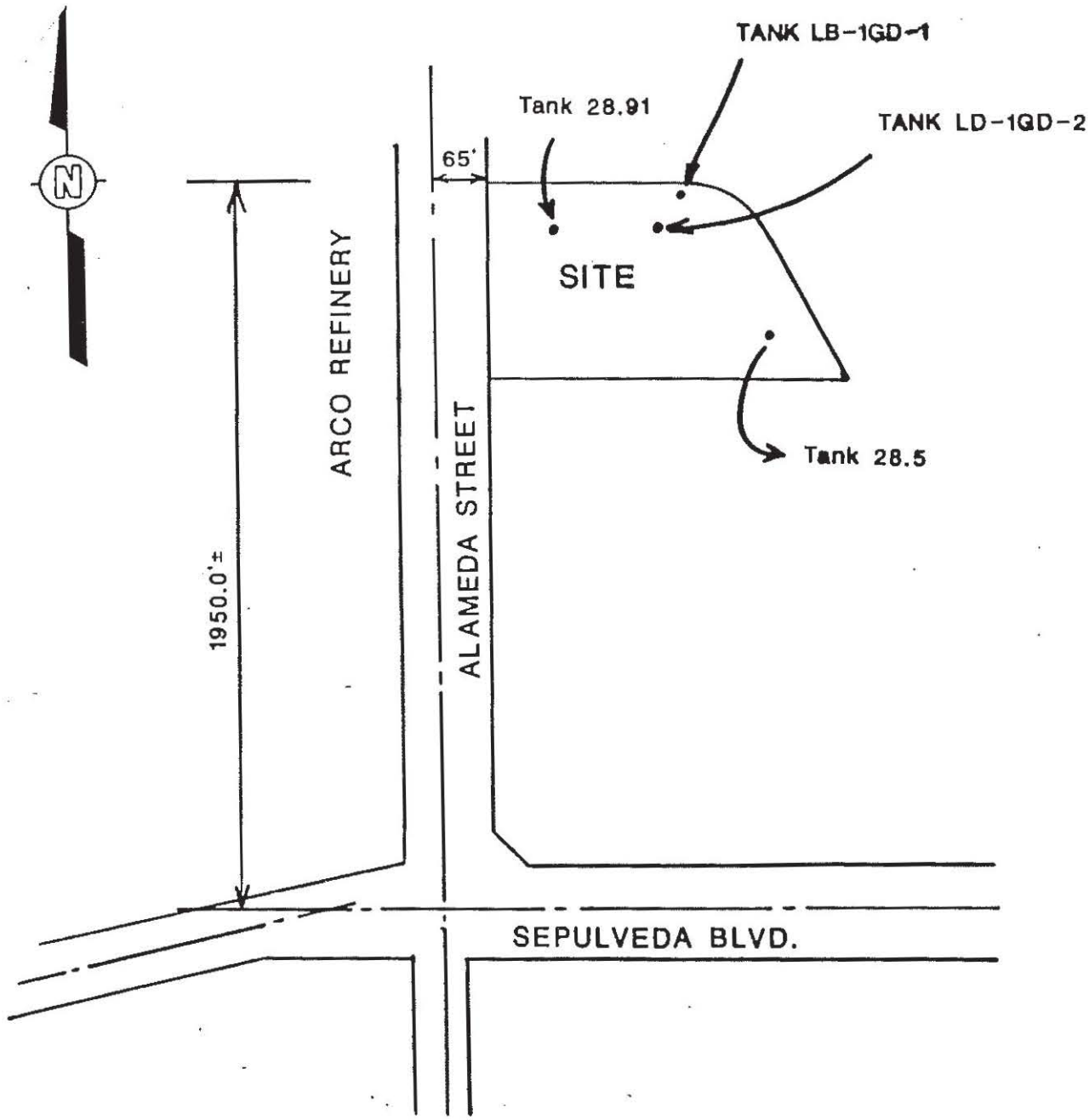
Based on the analytical results, IT concludes that TPH concentrations in soil samples collected from beneath gasoline tank LB-IGD-1 are below 100 ppm. Soil samples obtained from below tanks 28.5 and LD-IGD-2 contain concentrations of between 58 and 270 ppm. Although soil samples taken below the latter two tanks indicate minor soil contamination, no visible signs of contamination were noted in the field and the two tanks were intact. We believe the elevated TPH concentrations were due to over-spillage.

We acknowledge the fact that fairly high levels of petroleum contamination were found below Tank 28.91 and further investigation needs to be done to establish the limits of the plume.

Recommendations

It is our professional opinion that the following steps should be taken at the APCI facility:

- Backfill and compact the excavation for Tank LB-IGD-1
- Spread out and aerate the soil removed from the excavations of Tanks 28.5 and LD-IGD-2. In approximately two weeks, obtain composite samples of the previously contaminated material. If levels are below 100 ppm TPH, use the excavated material as backfill and compact. If analysis shows that levels are above 100 ppm, repeat the aeration process.
- Focus attention on the area surrounding the former location of Tank 28.91. (From a conversation with the Los Angeles Flood Control District, it is our understanding that the static water level in the vicinity of the site is approximately 45 feet). With a drill rig obtain soil samples at five foot intervals to establish the vertical extent of the contamination. The borings should be drilled to a depth of 40 feet or first encountered ground water.
- Using a series of borings, field instrumentation, and observation, establish the extent of the contaminated soil both horizontally and vertically.
- Although the area is congested with machinery and adjacent a working driveway, a few selected test pits may be dug to supplement the drilling operation.
- Evaluate and recommend the most prudent means of site remediation.



DRAWN BY

CHECKED BY

APPROVED BY

DRN. NUMB.

Figure 1

Site Plan

Carson Facility

PREPARED FOR

Air Products and Chemicals, Inc.

IT ... Creating a Safer Tomorrow

123993

Do Not Scale This Drawing

97 MAR -3 AM 10:35

REGION 4
LOS ANGELES REGION

Closure Soil Borings
Drilling and Sampling Plan
Air Products Manufacturing Corporation
23320 South Alameda Street
Carson, California

Prepared for:

Robert Swigart
Air Products Chemicals Inc.
7201 Hamilton Boulevard
Allentown, Pennsylvania 18195-1501

Prepared by:





Terra Vac
17821 Mitchell Avenue
Irvine, California 92614
(714) 252-8900

February 27, 1997

Bretton Trowbridge P.E.
Western Regional Manager

Stephen Mutch
Project Manager

INTRODUCTION

Air Products Manufacturing Corporation formerly operated a hydrogen manufacturing facility located at 23320 South Alameda Street, in the City of Carson, California. An in-situ soil vapor extraction system has been in operation at this site for approximately 18 months. A site location map is included as Figure 1.

On December 9 and 10, 1996, Terra Vac drilled five closure soil borings (CB-1, CB-2, CB-3, CB-4, and CB-5), in locations as shown on Figure 2, according to the Regional Water Quality Control Board (RWQCB) approved Work Plan (Terra Vac, October, 1996). The soil borings were initiated with a hand auger and widened with a post hole digger for the first five feet to avoid hitting underground utilities with the hollow stem auger. Soil samples were obtained with a split spoon sampler every five feet to a maximum depth of 35.5 feet; a total of six samples were collected from each soil boring. A total of 15 representative samples (three from each boring) were analyzed.

Samples were analyzed to determine concentrations of diesel, gasoline, and benzene, toluene, ethylbenzene, and xylenes (BTEX). Modified EPA Method 8015 (total petroleum hydrocarbons [TPH] diesel) detects long chain hydrocarbons between C8 and C30 and EPA Method 8015 (TPH gasoline) detects shorter chain hydrocarbons between C6 and C12. Samples were analyzed by EPA Method 8020 for benzene, toluene, ethylbenzene and xylenes (BTEX).

SITE GEOLOGY

The site is located in the Dominguez Gap within the southern portion of the Central Section of the Los Angeles Basin. Soils in this portion of the Basin are mainly comprised of recent soil formations made up of clays, silts and sands that extend to the groundwater formation (IT Corporation, 1988). The site currently has a relatively flat grade covered with asphalt and concrete.

SITE HYDROGEOLOGY

Perched groundwater zones were encountered at approximately 5 to 10 feet and at 25 to 30 feet below grade at borings located within the areas of former tank excavations (CB-1, CB-3, CB-4, and CB-5). These borings revealed backfill consisting of clayey material in the upper zones, which thereby retained groundwater due to surface infiltration from recent rains. Perched groundwater was encountered at the transition from sand to clay at 15 to 16 feet below grade in CB-2. The permanent groundwater table is estimated to be 60 to 65 feet below the surface and would correspond to the Gage Aquifer, a major hydro-stratigraphic unit in the basin. Groundwater flow in the Gage Aquifer in the vicinity of the site flows generally in a westerly direction. No known municipal use exists for the groundwater below this site (IT Corporation, 1988).

SOIL BORING LOCATIONS

The closure soil boring locations were chosen to be representative of the remediated area and the locations of former aboveground and underground hydrocarbon storage tanks. As requested by the Regional Water Quality Control Board (RWQCB), soil borings were placed near the location of the former underground diesel tank (CB-4) and former underground spent caustic solution tank (CB-5). The locations of the five closure borings are shown on Figure 2.

DRILLING ACTIVITES

The drilling and sampling procedures used at this site followed Terra Vac Standard Operating Procedures and current industry practices to ensure quality control and quality assurance. The five soil borings were drilled using a drill hollow stem auger drill rig equipped with 4 inch outside diameter, continuous flight hollow stem augers. Decontamination buckets and brushes were used for decontamination of the split spoon sampler and sampling sleeves in between sampling depths.

The soil and decontamination water generated during the sampling have been containerized in 55 gallon drums and will be properly disposed.

Upon completion of drilling and sampling, the soil borings were backfilled to grade surface with bentonite/cement grout and capped with asphalt. A copy of the soil boring logs has been included in Appendix A.

Sample Collection

Soil samples were collected with a California modified split spoon sampler at five foot intervals beginning at the five (5) foot depth in each boring. The drilling subcontractor provided brass sample liners for collection of soil samples from the split spoon sampler. Each split spoon sample was lined with three (3) sample liners which were used as follows:

- The bottom most soil sample sleeve from each split spoon sampler was collected for chemical analysis. The ends of each sleeve was covered with a plastic end cap and placed in a cooler with blue ice for transportation the laboratory.
- The middle soil sample sleeve was intended to be used for field screening with the OVM by Terra Vac. However, heavy rains during closure boring drilling prevented OVM readings to be taken from most of the borings. Sample screening for subsequent lab analysis was based on soil appearance (i.e. discoloration, apparent hydrocarbon odor).
- The top sample sleeve was used for characterization and logged on a boring log form by Terra Vac's Geologist.

Chemical Analysis

A total of 15 soil samples were submitted to a California certified laboratory. The samples were selected for analyses based on the OVM readings, visual appearance and location. Samples were selected to asses the vertical and lateral distribution of hydrocarbon contamination across the project area.

The soil samples were analyzed by Modified EPA Method 8015 for TPH diesel and TPH gasoline, and by EPA Method 8020 for BTEX. A copy of the analytical reports have been included in Appendix B.

EPA Method 8015 TPH Diesel Fuel Results

In closure boring CB-1, the TPH diesel fuel concentrations were 1,000 mg/Kg at 11 feet below grade, not detected at 21 feet below grade, and 53 mg/Kg at 30 feet below grade.

TPH diesel was not detected in CB-2 at all depths (5.5, 15.5, and 25.5 feet below grade).

The soil sample from CB-3 had TPH diesel concentrations of 2,300 mg/Kg at 6 feet below grade, not detected at 16 feet below grade, and 110 mg/Kg at 20.5 below grade.

TPH diesel was not detected in CB-4 at all depths (10.5, 20.5, and 30.5 feet below grade).

The soil samples from CB-5 had TPH-diesel fuel concentrations of 490 mg/Kg at 15.5 feet below grade, 110 mg/Kg at 20.5 feet below grade, and 2,100 mg/Kg at 35.5 feet below grade.

EPA Method 8015 TPH Gasoline Results

In closure boring CB-1, the TPH gasoline concentrations were 2.5 mg/Kg at 11 feet below grade, not detected at 21 feet below grade, and 0.79 mg/Kg at 30 feet below grade.

TPH gasoline was not detected in CB-2 at all depths (5.5, 15.5, and 25.5 feet below grade).

Soil samples from CB-3 had a TPH gasoline concentration of 1.7 mg/Kg at 6 feet below grade, and not detected at 16 and 20.5 feet below grade.

TPH gasoline was not detected in CB-4 at all depths (5.5, 15.5, and 25.5 feet below grade).

Soil samples from CB-5 had a TPH gasoline concentration of 1,700 mg/Kg at 15.5 feet below grade, not detected at 20.5 feet below grade, and 8,600 mg/Kg at 35.5 feet below grade

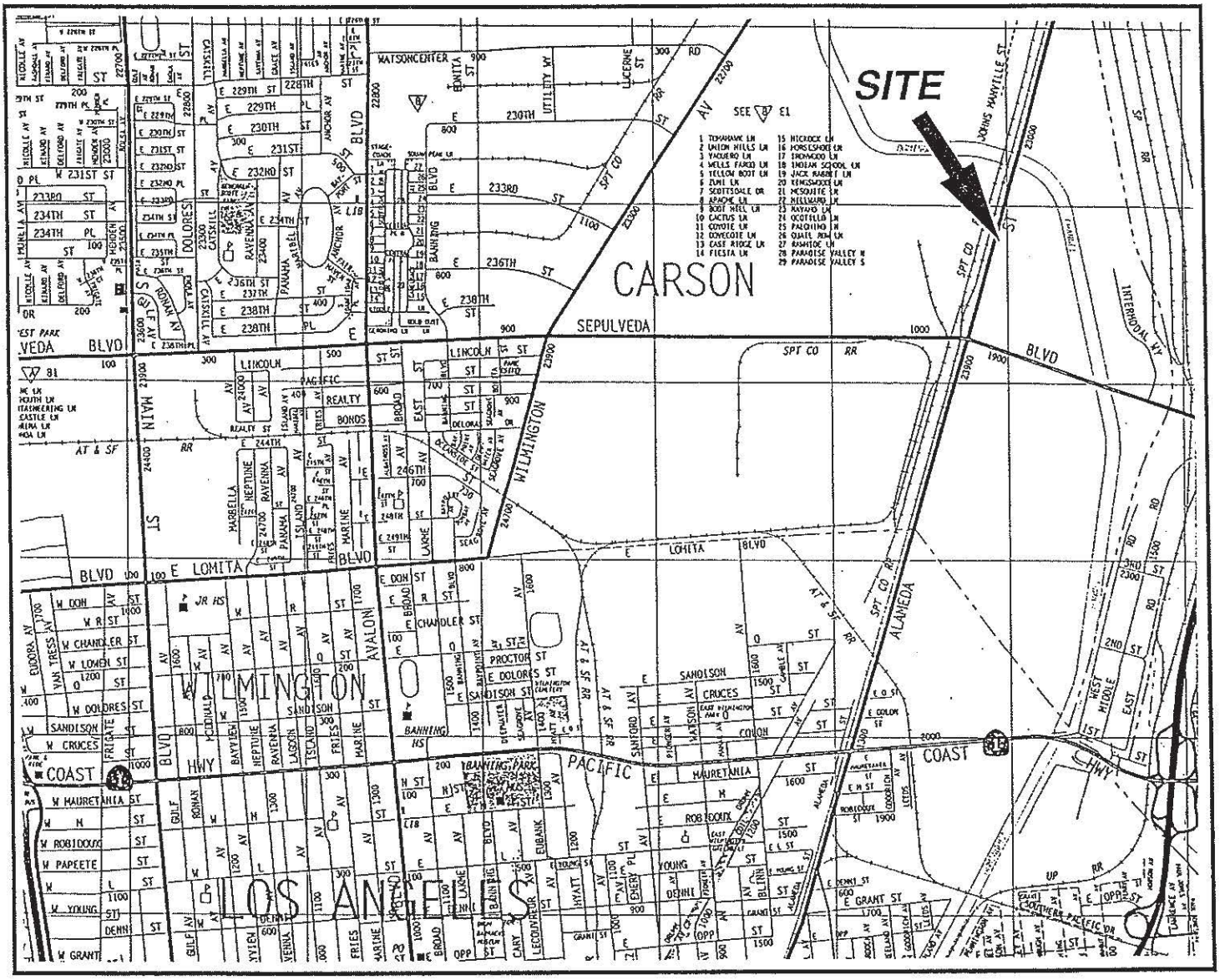
EPA Method 8020 (BTEX) Results

The soil samples from CB-1 had concentrations of 43 µg/Kg benzene, 120 µg/Kg toluene, 29 µg/Kg ethylbenzene, and 130 µg/Kg total xylenes at 11 feet below grade; not detected at 21

RECOMENDATIONS

The site should be considered for closure. All of the soil samples analyzed had non detect or low concentrations of contamination. In the area of CB-5 at 15.5 and 35.5 feet below grade, the dense clay zones less affected by the soil vapor extraction system as the rest on the site. This is caused by the characteristic low permeability of clay materials and a plastic liner installed in the excavation after the former caustic tank was removed.

The tightness of the clay and this plastic liner will reduce or eliminate the migration of the remaining BTEX and TPH compounds. The remaining contamination will also continue to degrade through natural biodegradation.



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N

TERRA VAC

Project No.	31-0244
Date	2/28/97
Scale	
Revision	

FIGURE 1 VICINITY MAP

AIR PRODUCTS
23320 South Alameda Street
Carson, California

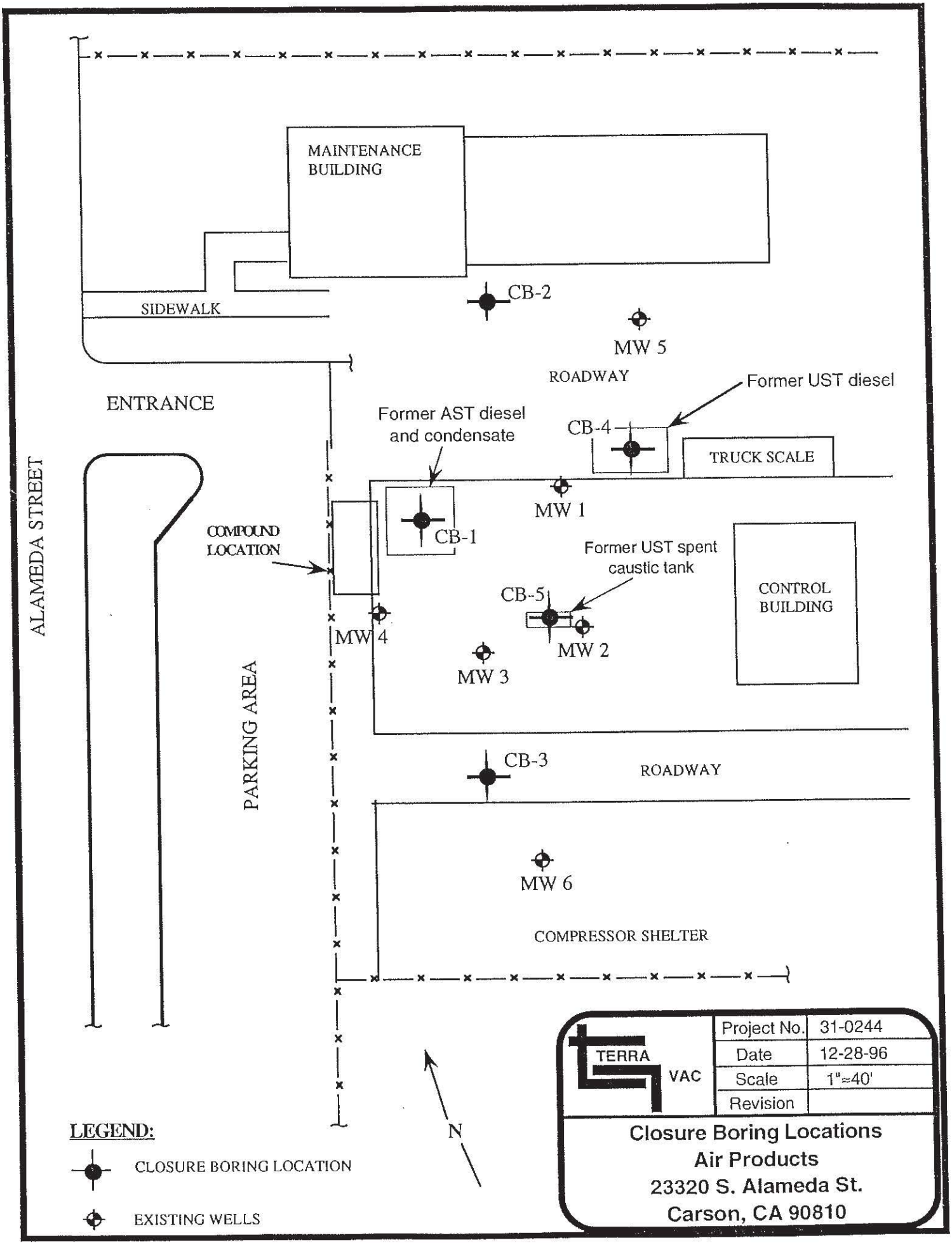

MAINTENANCE BUILDING
CB-2
SIDEWALK
MW 5
ROADWAY
ENTRANCE
Former UST diesel
Former AST diesel and condensate
CB-4
TRUCK SCALE
ALAMEDA STREET
MW 1
COMPOUND LOCATION
CB-1
Former UST spent caustic tank
CB-5
CONTROL BUILDING
MW 4
MW 2
MW 3
PARKING AREA
CB-3
ROADWAY
MW 6
COMPRESSOR SHELTER
N
LEGEND:
CLOSURE BORING LOCATION
EXISTING WELLS
TERRA VAC
Project No. 31-0244
Date 12-28-96
Scale 1"≈40'
Revision
Closure Boring Locations
Air Products
23320 S. Alameda St.
Carson, CA 90810

TABLE 1
Soil Results
Air Products Facility
December, 1996

Sample Date	12/9/96	12/9/96	12/9/96	12/10/96	12/10/96	12/10/96
Soil Boring	CB-1	CB-1	CB-1	CB-2	CB-2	CB-2
Sample Depth (Feet)	11	21	30	5.5	15.5	25.5
Analytes						
EPA METHOD 8020 BTEX						
Benzene µg/Kg	43	ND	200	ND	ND	ND
Toluene µg/Kg	120	ND	7.6	ND	ND	ND
Ethylbenzene µg/Kg	29	ND	18	ND	ND	ND
Total Xylenes µg/Kg	130	ND	29	ND	ND	ND
EPA METHOD 8015						
TPH Gasoline mg/Kg	2.5	ND	0.79	ND	ND	ND
TPH Diesel Fuel mg/Kg	1000.0	ND	53.0	ND	ND	ND

Sample Date	12/9/96	12/9/96	12/9/96	12/10/96	12/10/96	12/10/96
Soil Boring	CB-3	CB-3	CB-3	CB-4	CB-4	CB-4
Sample Depth (Feet)	6	16	20.5	10.5	20.5	30.5
Analytes						
EPA METHOD 8020 BTEX						
Benzene µg/Kg	97	ND	19	ND	ND	ND
Toluene µg/Kg	16	ND	11	ND	ND	ND
Ethylbenzene µg/Kg	31	ND	ND	ND	ND	ND
Total Xylenes µg/Kg	85	ND	ND	ND	ND	ND
EPA METHOD 8015						
TPH Gasoline mg/Kg	1.7	ND	ND	ND	ND	ND
TPH Diesel Fuel mg/Kg	2300.0	ND	110.0	ND	ND	ND

Sample Date	12/9/96	12/9/96	12/9/96
Soil Boring	CB-5	CB-5	CB-5
Sample Depth (Feet)	15.5	20.5	35.5
Analytes			
EPA METHOD 8020 BTEX			
Benzene µg/Kg	87000	ND	180000
Toluene µg/Kg	160000	ND	350000
Ethylbenzene µg/Kg	16000	ND	63000
Total Xylenes µg/Kg	86000	ND	280000
EPA METHOD 8015			
TPH Gasoline mg/Kg	1700	ND	8600
TPH Diesel Fuel mg/Kg	490	110	2100

SITE INVESTIGATION STUDY REPORT
AIR PRODUCTS AND CHEMICALS, INC.
23320 SOUTH ALAMEDA
CARSON, CALIFORNIA

Prepared for:

AIR PRODUCTS AND CHEMICALS, INC.
23320 South Alameda
Carson, California

Prepared by:
IT CORPORATION
336 W. Anaheim Street
Wilmington, California 90744

IT Project No. 203605

DECEMBER 1993

CERTIFICATION PAGE

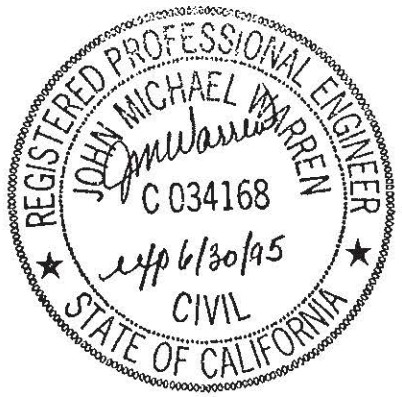
The attached site investigation report has been prepared under my direction and with my knowledge. I am aware of the contents of the site investigation report and am familiar with the site in question. I believe all data presented to be true and accurate and the approach to be technically sound.

Geology, groundwater hydrology, and geochemistry are inexact sciences, and investigative data commonly contain large uncertainties. The behavior of petroleum products and other contaminants in soil and groundwater are complex phenomena. Our judgements and conclusions are based on the analytical data presented herein and our experiences on other similar projects. The available data do not preclude the presence of materials at other locations on the subject site which presently, or in the future, may be considered hazardous.

Opinion and judgements expressed herein, which are based on our understanding and interpretation of current regulatory standards, should not be construed as legal opinions. This document and the information contained in it have been prepared solely for the use of Air Products and Chemicals, Inc. Any reliance on this information by third parties shall be at such party's sole risk.

John M. Warren

John M. Warren, R.C.E. No. C34168, exp. date 6/30/95
Senior Engineer



James P. Stapleton

James P. Stapleton
Project Manager

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1.0 INTRODUCTION

This Remedial Investigation/Feasibility Study Report (report) is prepared on behalf of Air Products and Chemicals, Inc., (APCI), for APCI's plant (site) located at 23320 South Alameda in Carson, California (Figure 1, Site Location Map). This report is compiled using information obtained by IT through site investigations and review of existing site data.

1.1 Site Description

The site is located at 23320 South Alameda in Carson, California, in an industrial area mainly composed of oil refineries and chemical manufacturers. The property is bordered by a railway spur and a Texaco Sulfur Recovery Plant to the north, the Dominguez Water Channel to the east, an ARCO Coke Product Plant to the south, and Alameda Street and the ARCO refinery to the west.

The site was a hydrogen manufacturing plant, consisting of three main areas:

1. The hydrogen production plant, which has been demolished.
2. The specialty gases operation in the southwest part of the site, which is currently in operation.
3. A vessel repair shop which temporarily operated for the past three years in the northwest part of the site and has been demolished.

The specialty gases operation fills cylinders with various gases, which are received in containers or tube trailers. The building which houses the specialty gases operation, consists of a warehouse and a distribution office. The vessel repair shop in the northwest part of the plant, repaired and reconditioned APCI oxygen, nitrogen, and argon vessels and equipment. This operation was housed in a single story structure, approximately 12,000 square feet in area. The hydrogen production plant which has not been operational since 1986, occupied approximately two-thirds of the facility. It was demolished in 1993.

The surface area of the site still has the concrete slabs remaining from the hydrogen plant, the control room building and the vessel repair shop. The rest of the area is paved or has a road base gravel spread over the surface.

1.2 Site Contamination

The portion of the facility included in this study is the former hydrogen plant purification area. This area is bordered on the east by the control building slab, on the west by Alameda Street, on the south by the former compressor building slab, and on the north by the fence and railroad spur (Figure 2, Site Map).

The site previously contained a 2,500 gallon underground diesel storage tank, which was removed in 1987. Upon removal of the tank, soil contamination and suspected free product were encountered in the excavation. The contaminated soil was removed from the excavation and bio-remediated. A 6,000 gallon spent caustic solution underground tank was also located in the hydrogen plant purification area. This tank was removed on May 18, 1993, by IT. The caustic tank did not appear to have released any contaminants on site. IT has prepared and submitted a closure report to the County of Los Angeles Department of Public Works.

A truck scale located north of the control building was removed in late 1992. Visible soil contamination was observed to the north and west portions of the excavation during the removal operations. Soil contaminated with Total Petroleum Hydrocarbon (TPH) measured as Gasoline (3,516 ppm) and Diesel (780 ppm) was discovered during the removal and excavation operations. The soil beneath the adjacent hydrogen plant purification area was found to contain 180-785 ppm TPH as gasoline.

The site previously contained two aboveground hydrocarbon tanks, located in the hydrogen plant purification area. One tank was used to collect a hydrocarbon condensate, similar to gasoline, from the hydrogen feed stream. The other tank contained diesel fuel, which was used to scrub the hydrocarbon condensate from the feed gas. There was a gravel area below the tanks.

1.3 Remedial Investigation Limitations

This report was prepared by compiling information and data from an Underground Diesel Storage Tank Removal and Site Assessment Report (IT Corporation, 1988), from the recent Soil Gas Survey (Target Environmental Services, Inc, 1993), and Site Assessment (IT Corporation, 1993). IT used the following approach to evaluate the presence of contaminants and the horizontal and vertical extent of contamination.

- review available soil and groundwater analytical data
- determine the types of soil
- evaluate the soil physical properties (size, permeability, etc.)
- determine the former locations of the aboveground and underground storage tanks
- evaluate constituents fate and transport in the environment

The results of the Soil Gas Survey completed in February 1993, provided the guidance for the location of five boreholes in the areas of highest detected contamination. Soil samples collected from these boreholes were to be used to evaluate the approximate vertical extent of contamination.

Based on the analytical results of the assessment performed in March 1993 by IT, eight boreholes were proposed to evaluate the horizontal extent of contamination. Once the drilling and sampling process commenced, IT determined that more boreholes were needed to adequately define the horizontal extent of contamination. A total of 14 more boreholes were drilled in the purification area.

Given the many local sources of hydrocarbon contamination of soil and groundwater from other industries, IT's goal was to differentiate the Air Products hydrocarbon condensate contamination from other outside sources of contamination.

2.0 STUDY OBJECTIVES

The main objective of this study is to evaluate the vertical and lateral extent of hydrocarbon contamination emanating from past APCI activities at the site, and to develop remedial alternatives for contamination present. This report is based on the information from the following:

- Underground Diesel Tank Removal and Site Investigation, IT Corporation, March 1988.
- Soil Gas Survey of the Hydrogen Plant Purification Area, Target Environmental Services, Inc., prepared for IT, February 1993.
- Site Investigation Study of the Hydrogen Plant Purification Area, IT Corporation, March 1993.
- Additional Soil Sampling of the Hydrogen Plant Purification Area, IT Corporation, May 1993.

3.0 *PREVIOUS INVESTIGATIONS*

3.1 March 1988, Underground Diesel Tank Removal and Site Investigation

A Site Investigation was completed by IT in March 1988, after the removal of a 2,500 gallon underground diesel storage tank. Hydrocarbon soil contamination and free floating hydrocarbon product were observed in the tank excavation.

This Site Investigation involved the drilling of four boreholes (B-1 to B-4) and collecting soil samples to determine the vertical and horizontal extent of the hydrocarbon contamination. Selected soil samples from the boreholes were collected for laboratory analysis. Four samples, each, were analyzed for Organic Lead by gas chromatograph/PID and for Benzene, Toluene, Ethylbenzene and Xylenes (BTEX) by EPA Method 8020. Ten samples were analyzed for Total Recoverable Petroleum Hydrocarbons (TRPH) by EPA Method 418.1, one sample for flash-point by EPA Method 1010, and six samples for pH by EPA Method 9040.

Analytical results for TRPH, BTEX and Organic Lead are detailed in the report. Sample B-1-2 was selected for the flash-point which was 65 degrees Fahrenheit. The samples collected from Borehole B-4 were used for the pH analyses. The pH ranged from 7.6 to 8.3 in the six samples.

In order to determine the depth to groundwater, one borehole (B-5) was drilled into the groundwater table in an area near, but outside of, the soil contamination area. Groundwater was encountered at a depth of 58 feet, with the total depth of the borehole at 60.5 feet below surface grade. No soil sampling was performed in this borehole. A sample was collected of the aquifer material (brown silty fine sand) for grain size analysis to aid in proper well design for groundwater monitoring wells, if necessary. No groundwater monitor wells were necessary, since the contamination was at a maximum of 25 feet below the surface and groundwater was at a depth of 58 feet below the surface.

3.2 February 1993, Soil Gas Survey of the Hydrogen Plant Purification Area

Under contract to IT, a Soil Gas Survey of the Hydrogen Plant Purification Area was performed by Target Environmental Services, Inc., (Target) in February 1993. The report prepared by Target is included in its entirety in IT's Site Assessment Report, dated March 1993. This survey revealed three areas where elevated levels of volatile hydrocarbons were detected. These are the northeast area near the former truck scale, the northwest area near the former aboveground

storage tanks and the southwest area where the hydrogen feed gas pipeline entered the facility.

The soil gas survey indicated that different types of hydrocarbon contamination were present at the site. The chromatogram signatures of the samples collected in the central portion of the site are suggestive of the gasoline like condensate which was handled in this area. The signatures of the samples collected west of the aboveground tank storage area and at the southwestern corner of the site reveal a complex petroleum hydrocarbon mixture which is not typical of gasoline or diesel fuel, or any other known hydrocarbons handled by Air Products in this area.

The different chromatogram signatures suggest of different sources of contamination. The samples collected from the central part of the site indicate that the hydrocarbon contamination may have come from the aboveground storage tanks. The complex hydrocarbon contamination along the west and southwestern portion of the site may be the result of contamination from the nearby pipe lines owned by others which run along Alameda Street.

3.3 March 1993 Borehole Sampling of the Hydrogen Plant Purification Area

Based on the results of the soil gas survey performed (Target Environmental Services, Inc., 1993) five borehole locations (1-5) were selected based on the highest concentrations of volatile organics observed. The boreholes were drilled to help establish the vertical limits of the hydrocarbon contamination in these areas and to determine the types and concentrations of contaminants. Samples were collected every five feet down to a depth of 40 feet. See Figure 3, Borehole Locations, and Appendix A for Borehole Logs.

All samples collected from the boreholes were analyzed by EPA Method 418.1 for TRPH, by EPA Method 8015 (modified) for Total Petroleum Hydrocarbons (TPH) as Diesel and Gasoline, and by EPA Method 8020 for BTEX. The Analytical Results are summarized in Table 3.1.

Analytical Results for Borehole 1 indicated concentrations of TRPH, TPH and BTEX contamination in the samples collected from depths of 5 and 10 feet. All of the other samples were non-detect (ND) at the indicated detection limits.

Analytical Results for the samples collected in Borehole 2 indicated concentrations of TRPH, TPH and BTEX contamination at depths of 5, 10 and 15 feet. Samples collected at 20 and 25 feet depth were ND except for 17 mg/kg TPH as diesel at a depth of 20 feet. BTEX contamination was again encountered at depth of 30, 35 and 40 feet.

TABLE 3.1
SUMMARY OF ANALYTICAL RESULTS

SAMPLE	DEPTH feet	TRPH mg/kg	TPH GAS mg/kg	TPH DIESEL µg/kg	BENZENE µg/kg	TOLUENE µg/kg	ETHYL-BENZENE µg/kg	XYLENES µg/kg
1A	5	4290	7170(A)	50400(Z)	3680	6530	9680	24100
1B	10	6360	390(A)	7070(Z)	1290	280	370	ND
1C	15	ND	ND	ND	ND	ND	ND	ND
1D	20	ND	ND	ND	ND	ND	ND	ND
1E	25	ND	ND	ND	ND	ND	ND	ND
1F	30	ND	ND	ND	ND	ND	ND	ND
1G	35	ND	ND	ND	ND	ND	ND	ND
1H	40	ND	ND	ND	ND	ND	ND	ND
2A	5	490	83(J,A)	270(Z)	5810	10900	ND	2180
2B	10	180	620(A)	1930(Z)	17400	2500	930	ND
2C	15	ND	2(A)	1140(Z)	290	680	ND	510
2D	20	ND	ND	17(Z)	ND	ND	ND	ND
2E	25	ND	ND	ND	ND	ND	ND	ND
2F	30	ND	16(A)	ND	67	83	35	140
2G	35	ND	ND	ND	2430	ND	ND	ND
2H	40	ND	1	ND	190	140	28	110
3A	5	35400	490(A)	2300(Z)	5200	880	ND	ND
3B	10	ND	1010(A)	1840(Z)	1910	2250	1000	3740
3C	15	ND	ND	18(Z)	ND	ND	ND	ND
3D	20	ND	ND	ND	ND	ND	ND	ND
3E	25	ND	ND	ND	ND	ND	ND	ND
3F	30	ND	ND	ND	ND	ND	ND	ND
4A	5	5320	360(A)	11900(Z)	14800	3210	ND	ND
4B	10	6970	610(A)	3100(Z)	9200	1200	ND	1460
4C	15	ND	443(A)	ND	370	380	ND	ND
4D	20	75	ND	33(Z)	ND	ND	ND	ND
4E	25	ND	ND	ND	ND	ND	ND	ND
4F	30	ND	ND	ND	ND	ND	ND	ND
4G	35	33	ND	ND	ND	ND	ND	ND

TABLE 3.1
CONTINUED

SAMPLE	DEPTH feet	TRPH mg/kg	TPH GAS mg/kg	TPH DIESEL mg/kg	BENZENE µg/kg	TOLUENE µg/kg	ETHYL-BENZENE µg/kg	XYLENES µg/kg
5A	5	11900	167(A)	9880(Z)	ND	ND	ND	ND
5B	10	6190	2(A)	5540(Z)	5	ND	ND	ND
5C	15	ND	ND	ND	ND	ND	ND	ND
5D	20	ND	ND	ND	ND	ND	ND	ND
5E	25	ND	ND	ND	ND	ND	ND	ND
5F	30	ND	ND	ND	ND	ND	ND	ND
5G	35	ND	ND	ND	ND	ND	ND	ND

ND = Non Detect
mg/kg = Milligrams per Kilogram
µg/kg = Micrograms per Kilogram

(A) - The chromatographic pattern of the sample resembles that of low boiling fuel hydrocarbon, but does not match the pattern of the gasoline calibration standard. The result reported is quantitated as gasoline.

(J) - Value reported below the detection limit.

(Z) - The chromatographic pattern of the sample resembles that of high boiling fuel hydrocarbon but does not match the pattern of the diesel calibration standard. The result reported is quantitated as diesel.

Analytical Results for Borehole 3 indicated concentrations of TRPH, TPH and BTEX contamination at depths of 5 and 10 feet. TPH as diesel of 18 mg/kg was detected at a depth of 15 feet. All of the other samples were ND at the indicated detection limits.

Analytical Results for Borehole 4 indicated concentrations of TRPH, TPH and BTX contamination at depths of 5, 10 and 15 feet. Concentrations of 75 mg/kg TRPH and 33 mg/kg TPH as diesel were detected at a depth of 20 feet. A concentration of 33 mg/kg TRPH was detected at a depth of 35 feet. All samples collected at the depths of 25 and 30 feet were ND at the indicated detection limits.

Analytical Results for Borehole 5 indicated concentrations of TRPH and TPH contamination at depths of 5 and 10 feet. Benzene of 5 μg/kg was also detected at a depth of 10 feet. All of the other samples were ND at the indicated detection limits.

The chromatographic patterns for the TPH contamination reported as gasoline and diesel at depths of 5, 10 and 15 feet did not match those of the gasoline or diesel calibration standards. This contamination is believed indicative of the hydrocarbon condensate which is similar to gasoline from the aboveground storage tank .

The conclusion of this report (IT, Corporation, 1993) indicated that the vertical and lateral extent needed to be further defined in the hydrogen plant purification area.

3.4 May 1993, Investigation of the Hydrogen Plant Purification Area

The focus of the May 1993 investigation was to further define the horizontal and vertical limits of contamination around the hydrogen plant purification area (See Figure 2, Site Map).

Based on the results of the previous sampling performed in March 1993, IT proposed to drill additional boreholes to further define the horizontal and vertical limits of contamination. A total of 14 more boreholes were drilled in the hydrogen plant purification area (Figure 3 - Borehole Locations).

On May 5, 1993, IT proceeded to drill six boreholes, numbered 6, 7, 8, 9, 10 and 11, each to a depth of 30 feet. On May 6, 1993, boreholes, numbered 12, 13, 14, 15 and 16 were drilled. These boreholes were also drilled to a depth of 30 feet except Borehole 16 which reached only 25 feet because of equipment failure. Boreholes 17, 18 and 19 were drilled on May 7, 1993,

to a depth of 30 feet or first encountered groundwater. This groundwater zone is believed to be perched.

3.4.1 Sampling Procedures

The boreholes were drilled using a B-53 mobile drill rig, equipped with 3.75 inch hollow stem augers. The soil samples were collected using a California Modified Split Spoon Sampler containing three brass rings. Soil samples were collected at the 5, 10, 15, 20, 25 and 30 foot depths (see Borehole Logs in Appendix A).

The Split Spoon Sampler was deployed down the hollow stem augers and driven 18 inches into the soil using a 140 pound drive hammer. Upon sample retrieval, the soil samples were screened in the field by an Organic Vapor Analyzer (OVA) to determine the presence of any possible vapors. From this field test any soil samples that had a recorded reading were sent to the analytical laboratory for analysis. One brass ring was then selected, capped, sealed with duct tape, labeled and entered into IT Chain-of-Custody documentation. All of the soil samples were preserved on ice for delivery to the analytical laboratory. The samples were transported to IT Analytical Services in Cerritos, California, a State of California certified analytical laboratory (see Chain-of-Custody documentation in Appendix B).

Between sampling events, the Split Spoon Sampler and brass rings were steam cleaned or were cleaned by washing in Tri-sodium Phosphate and triple-rinsed, using de-ionized water to prevent cross-contamination. The augers were also steam cleaned between the drilling of each borehole to prevent the possibility of any cross-contamination. The soil cuttings from the boreholes and the decontamination water from the steam cleaning, were placed in 55 gallon drums for later disposal.

The soils in each of the boreholes was characterized according to the United States Soil Classification System and logged on Borehole logs located in Appendix A. All of the boreholes were backfilled with a concrete/bentonite mix.

3.4.2 Analytical Procedures

All soil samples sent to the analytical laboratory, were analyzed by EPA Method 418.1 for TRPH. The samples collected from the 15 foot depth (with the exception of the samples 12B and 17D) were analyzed by EPA Method 8240 for Volatile Organic Compounds and by EPA Method 9045 for pH. Several Analytical Results for Acetone and Methylene Chloride have the

letter "B" after the numeric value. The B indicates that the analyte was found in the associated blank as well as the sample, but the value was not blank corrected. Analytical Results are summarized in Table 3.2 and located in Appendix B.

3.4.3 Discussion of Analytical Results

Borehole 6

Three soil samples (6A, 6B and 6C) were collected from Borehole 6, which is located northeast of the truck scale area (Figure 3 - Borehole Locations). The Analytical Results indicated 41 mg/kg TRPH in sample 6A and ND at the indicated detection limits for samples 6B and 6C. The pH analysis for 6C was 8.1. Methylene Chloride was detected in 6C at 6(B) μg/kg. The B indicates that the analyte was found in the associated blank as well as the sample, but the value was not blank corrected. The other constituents that were analyzed under EPA Method 8240 were ND at the indicated detection limits in sample 6C.

The soil in Borehole 6 ranged from a fine-grained, grey, silty sand at 5 feet, to a brown, silty sand at the 30 foot depth. A coarse grained, gravelly sand was encountered at the 25 foot depth. The soil was damp to wet. A perched groundwater zone was encountered at a depth of 30 feet. OVA readings were 0 ppm for all three samples, but the samples were analyzed to evaluate the horizontal limits of contamination.

Borehole 7

Four soil samples (7A, 7B, 7C and 7D) were collected from Borehole 7, which is located north of the truck scale area (Figure 3 - Borehole Locations). These samples registered field OVA readings ranging from 0 to 18 ppm.

Analytical Results indicated TRPH concentrations of 3,520 mg/kg in sample 7A and 2,610 mg/kg in sample 7B. Samples 7C and 7D were ND for TRPH. The pH analysis for sample 7C was 8.0. Analytical Results for EPA Method 8240 in sample 7C, indicated 27 μg/kg Acetone and 5(B) μg/kg Methylene Chloride. The B indicates that the analyte was found in the associated blank as well as the sample, but the value was not blank corrected. The other constituents that were analyzed under EPA Method 8240 were ND at the indicated detection limits for sample 7C.

TABLE 3.2
SUMMARY OF ANALYTICAL RESULTS

SAMPLE	pH	TRPH mg/kg	ACETONE µg/kg	METHYLENE CHLORIDE µg/kg	BENZENE µg/kg	TOLUENE µg/kg	ETHYL BENZENE µg/kg	XYLENE µg/kg	OVA ppm
6A	NA	41	NA	NA	NA	NA	NA	NA	0
6B	NA	ND	NA	NA	NA	NA	NA	NA	0
6C	8.1	ND	ND	6B	ND	ND	ND	ND	0
7A	NA	3520	NA	NA	NA	NA	NA	NA	1
7B	NA	2610	NA	NA	NA	NA	NA	NA	18
7C	8.0	ND	27	5B	ND	ND	ND	ND	8
7D	NA	ND	NA	NA	NA	NA	NA	NA	0
8A	NA	7660	NA	NA	NA	NA	NA	NA	6
8B	NA	7890	NA	NA	NA	NA	NA	NA	19
8C	7.2	ND	15	6B	ND	ND	ND	ND	0
8D	NA	ND	NA	NA	NA	NA	NA	NA	18
8E	NA	ND	NA	NA	NA	NA	NA	NA	101
8F	7.2	ND	18	5B	ND	ND	ND	ND	3
9A	NA	6510	NA	NA	NA	NA	NA	NA	297
9B	NA	1780	NA	NA	NA	NA	NA	NA	497
9C	9.0	180	ND	ND	8300	20000	1600	9300	503
9D	NA	2640	NA	NA	NA	NA	NA	NA	307
9E	NA	1340	NA	NA	NA	NA	NA	NA	368
9F	NA	1290	NA	NA	NA	NA	NA	NA	588
10A	NA	6180	NA	NA	NA	NA	NA	NA	12
10B	NA	4760	NA	NA	NA	NA	NA	NA	12
10C	8.4	ND	50	5B	5	ND	ND	ND	2
10D	NA	ND	NA	NA	NA	NA	NA	NA	81
10E	NA	ND	NA	NA	NA	NA	NA	NA	109
11A	NA	5970	NA	NA	NA	NA	NA	NA	2
11B	NA	71500	NA	NA	NA	NA	NA	NA	214
11C	8.7	ND	100	5B	5	ND	ND	ND	8
11D	NA	ND	NA	NA	NA	NA	NA	NA	50
11E	NA	ND	NA	NA	NA	NA	NA	NA	25

TABLE 3.2
CONTINUED

SAMPLE	pH	TRPH mg/kg	ACETONE µg/kg	METHYLENE CHLORIDE µg/kg	BENZENE µg/kg	TOLUENE µg/kg	ETHYL BENZENE µg/kg	XYLENE µg/kg	OVA ppm
11F	NA	ND	NA	NA	NA	NA	NA	NA	2
12A	NA	59500	NA	NA	NA	NA	NA	NA	15
12B	9.1	36	22B	ND	ND	ND	ND	ND	1
12C	NA	ND	NA	NA	NA	NA	NA	NA	0
13A-5'	NA	9460	NA	NA	NA	NA	NA	NA	80
13B-10'	NA	ND	NA	NA	NA	NA	NA	NA	6
13C-15'	8.6	ND	39B	ND	ND	ND	ND	ND	10
13D-20'	NA	ND	NA	NA	NA	NA	NA	NA	45
13E-25'	NA	30	NA	NA	NA	NA	NA	NA	46
14A	NA	8070	NA	NA	NA	NA	NA	NA	3
14B	NA	ND	NA	NA	NA	NA	NA	NA	24
14C	7.5	ND	28B	ND	ND	ND	ND	ND	10
14D	NA	ND	NA	NA	NA	NA	NA	NA	23
14E	NA	ND	NA	NA	NA	NA	NA	NA	48
15A	NA	2790	NA	NA	NA	NA	NA	NA	117
15B	NA	11400	NA	NA	NA	NA	NA	NA	215
15C	6.2	ND	19B	ND	ND	ND	ND	ND	1
15D	NA	580	NA	NA	NA	NA	NA	NA	72
15E	NA	ND	NA	NA	NA	NA	NA	NA	69
16A	NA	310	NA	NA	NA	NA	NA	NA	0
16B	NA	5590	NA	NA	NA	NA	NA	NA	20
16C	8.2	1150	64	18B	5	ND	9	19	165
16D	NA	ND	NA	NA	NA	NA	NA	NA	2
16E	NA	ND	NA	NA	NA	NA	NA	NA	12
17B	NA	1970	NA	NA	NA	NA	NA	NA	46
17C	NA	ND	NA	NA	NA	NA	NA	NA	15
17D	7.2	ND	14	5B	ND	ND	ND	ND	8
17E	NA	ND	NA	NA	NA	NA	NA	NA	2
18C	7.3	ND	13	7B	ND	ND	ND	ND	0
18D	NA	48	NA	NA	NA	NA	NA	NA	82
18E	NA	74	NA	NA	NA	NA	NA	NA	58

TABLE 3.2
CONTINUED

SAMPLE	pH	TRPH mg/kg	ACETONE µg/kg	METHYLENE CHLORIDE µg/kg	BENZENE µg/kg	TOLUENE µg/kg	ETHYL BENZENE µg/kg	XYLENE µg/kg	OVA ppm
18F	NA	ND	NA	NA	NA	NA	NA	NA	12
19A	NA	ND	NA	NA	NA	NA	NA	NA	161
19B	NA	ND	NA	NA	NA	NA	NA	NA	3
19C	8.3	ND	12	6B	ND	ND	ND	ND	31
19D	NA	ND	NA	NA	NA	NA	NA	NA	31
19E	NA	ND	NA	NA	NA	NA	NA	NA	39

NA = Not Analyzed
ND = Non Detect
mg/kg = milligrams per kilogram
µg/kg = micrograms per kilogram
ppm = parts per million
TRPH = Total Recoverable Petroleum Hydrocarbons
B = indicates analyte found in the associated blank as well as in the sample, value reported is not blank corrected

The soil in Borehole 7 ranged from a brown, silty sand to a grey-black, silty sand. A gravelly sand was encountered at a depth of 20 feet. The soil was damp to wet at a depth of 5 feet. The perched groundwater zone was not encountered in this borehole.

Borehole 8

Six soil samples (8A, 8B, 8C, 8D, 8E and 8F) were collected from Borehole 8, which is located near the southeast corner of the hydrogen plant purification area (Figure 3 - Borehole Locations). These samples registered field OVA readings ranging from 0 to 101 ppm.

Analytical Results indicated TRPH concentrations of 7,660 mg/kg in sample 8A and 7,890 mg/kg in sample 8B. Samples 8C, 8D, 8E and 8F were ND for TRPH at the indicated detection limits. The pH analysis for sample 8C was 7.2. Analytical Results for EPA Method 8240 in sample 8C indicated 15 μg/kg Acetone and 6(B) μg/kg Methylene Chloride. The B indicates that the analyte was found in the associated blank as well as the sample, but the value was not blank corrected. The other constituents that were analyzed under EPA Method 8240 were ND at the indicated detection limits for sample 8C.

The soil in Borehole 8 ranged from a black, oily, silty sand at the 5 foot depth to a tan gravelly sand at the 30 foot depth. The soil was damp to wet with a perched groundwater zone encountered at 30 feet.

Borehole 9

Borehole 9 was drilled within 1 foot of the underground caustic tank prior to its removal (Figure 3 - Borehole Locations). Six soil samples (9A, 9B, 9C, 9D, 9E and 9F) were collected. These samples registered field OVA readings ranging from 297 to 588 ppm.

Analytical Results indicated TRPH concentrations of 6,510 mg/kg in sample 9A, 1,780 mg/kg in sample 9B, 180 mg/kg in sample 9C, 2,640 mg/kg in sample 9D, 1,340 mg/kg in sample 9E and 1,290 mg/kg in sample 9F. The pH analysis for sample 9C was 9.0. Analytical Results for EPA Method 8240 in sample 9C indicated 8,300 μg/kg Benzene, 20,000 μg/kg Toluene, 1,600 μg/kg Ethylbenzene and 9,300 μg/kg Xylenes. The other constituents that were analyzed under EPA Method 8240 were ND at the indicated detection limits for sample 9C.

The soil in Borehole 9 ranged from a black, wet, "gooey", silty sand near the surface to a wet, silty clayey sand at the 30 foot depth. A watery liquid containing petroleum product was encountered from the 5 to 10 foot depth. A perched groundwater zone was encountered at the 30 foot depth.

Borehole 10

Five soil samples (10A, 10B, 10C, 10D and 10E) were collected from Borehole 10, which is located in the roadway south of the hydrogen plant purification area (Figure 3 - Borehole Locations). These samples registered field OVA readings ranging from 2 to 109 ppm.

Analytical Results indicated TRPH concentrations of 6,180 mg/kg in sample 10A, 4,760 mg/kg in sample 10B and ND at the indicated detection limits in the rest of the samples (10C, 10D and 10E). The pH analysis for sample 10C was 8.4. Analytical Results for EPA Method 8240 on sample 10C indicated 50 μg/kg Acetone, 5(B) μg/kg Methylene Chloride, 5 μg/kg Benzene, and ND at the indicated detection limits for the other constituents analyzed. The B indicates that the analyte was found in the associated blank as well as the sample, but the value was not blank corrected.

The soil in Borehole 10 was mostly a fine-grained, silty sand with a gravelly sand at the 15 foot depth. The soil was damp and the perched groundwater zone was not encountered in the borehole.

Borehole 11

Borehole 11 was drilled in the roadway, southwest of the hydrogen plant purification area (Figure 3 - Borehole Locations). Six soil samples (11A, 11B, 11C, 11D, 11E and 11F) were collected. These samples registered field OVA readings ranging from 2 to 214 ppm.

Analytical Results indicated TRPH concentrations of 5,970 mg/kg in sample 11A, 71,500 mg/kg in sample 11B and ND at the indicated detection limits in the rest of the samples. The pH analysis for sample 11C was 8.7. Analytical Results for EPA Method 8240 in sample 11C indicated 100 μg/kg Acetone, 5(B) μg/kg Methylene Chloride, 5 μg/kg Benzene, and ND at the indicated detection limits for the other constituents analyzed. The B indicates that the analyte was found in the associated blank as well as the sample, but the value was not blank corrected.

The soil in Borehole 11 was a fine-grained, silty sand with a gravelly sand at the 20 to 30 foot depths. A wet zone was encountered between the 5 and 10 foot depth. A perched groundwater zone was encountered at 30 feet.

Borehole 12

Borehole 12 was drilled in the northern part of the connected parking area outside of the fence. Prior to drilling the borehole, a geophysical survey was conducted to prevent the possibility of drilling into buried underground utilities or pipes (Figure 3 - Borehole Locations). Three soil samples (12A, 12B and 12C) were collected. These samples registered field OVA readings ranging from 0 to 15 ppm.

Analytical Results indicated TRPH concentrations of 59,500 mg/kg in sample 12A, 36 mg/kg in sample 12B, and ND at the indicated detection limits in sample 12C. The pH analysis for sample 12B was 9.1. Analytical Results for EPA Method 8240 in sample 12B indicated 22(B) μg/kg Acetone, and ND at the indicated detection limits for the other constituents analyzed. The B indicates that the analyte was found in the associated blank as well as the sample, but the value was not blank corrected.

The soil in Borehole 12 was a fine-grained, silty sand with a gravelly sand at the 20 foot depth. The soil was damp and the perched groundwater zone was not encountered.

Borehole 13

Borehole 13 was drilled in the parking area outside of the fence and west of the hydrogen plant purification area (Figure 3 - Borehole Locations). Prior to drilling the borehole, a geophysical survey was conducted to prevent the possibility of drilling into buried underground utilities or pipes. Five soil samples (13A, 13B, 13C, 13D and 13E) were collected. These samples registered field OVA readings ranging from 0 to 80 ppm.

Analytical Results indicated TRPH concentrations of 9,460 mg/kg in sample 13A, 30 mg/kg in sample 13E, and ND at the indicated detection limits in samples 13B, 13C and 13D. The pH analysis for sample 13C was 8.6. Analytical Results for EPA Method 8240 in sample 13C indicated 39(B) μg/kg Acetone and ND at the indicated detection limits for the other constituents analyzed. The B indicates that the analyte was found in the associated blank as well as the sample, but the value was not blank corrected.

The soil in Borehole 13 ranged from a fine-grained sand to a gravelly sand. The soil was damp and a perched groundwater zone was encountered at the 30 foot depth. An oily layer was encountered at the 5 foot depth.

Borehole 14

Borehole 14 was drilled in the parking area outside of the fence, and near where the ARCO pipeline entered the facility (Figure 3 - Borehole Locations). Prior to drilling the borehole, a geophysical survey was conducted to prevent the possibility of drilling into buried underground utilities or pipes. Five soil samples (14A, 14B, 14C, 14D and 14E) were collected. These samples registered field OVA readings ranging from 0 to 48 ppm.

Analytical Results indicated TRPH concentrations of 8,070 mg/kg in sample 14A and ND at the indicated detection limits in the rest of the samples. The pH analysis for sample 14C was 7.5. Analytical Results for EPA Method 8240 in sample 14C indicated 28(B) μg/kg Acetone, and ND at the indicated detection limits for the other constituents analyzed. The B indicates that the analyte was found in the associated blank as well as the sample, but the value was not blank corrected.

The soil in Borehole 14 ranged from a silty sand, to a gravelly sand at the 20 foot depth. A wet "gooey", oily layer was encountered at the 5 foot depth. The soil was damp and a perched groundwater zone was encountered at the 30 foot depth.

Borehole 15

Borehole 15 was also drilled in the parking area outside of the fence and west of the compressor shelter (Figure 3 - Borehole Locations). Prior to drilling the borehole, a geophysical survey was run to prevent the possibility of drilling into buried underground utilities or pipes. Five soil samples (15A, 15B, 15C, 15D and 15E) were collected. These samples registered field OVA readings ranging from 0 to 215 ppm.

Analytical Results indicated TRPH concentrations of 2,790 mg/kg in sample 15A, 11,400 mg/kg in sample 15B, 580 mg/kg in sample 15D, and ND at the indicated detection limits for samples 15C and 15E. The pH analysis for sample 15C was 6.2. Analytical Results for EPA Method 8240 in sample 15C indicated 19(B) μg/kg Acetone, and ND at the indicated detection limits for the rest of the constituents analyzed. The B indicates that the analyte was found in the

associated blank as well as the sample, but the value was not blank corrected.

The soil in Borehole 15 ranged from a silty sand to a gravelly sand at the 20 foot depth. The soil was damp with a perched groundwater zone encountered at the 30 foot depth.

A borehole was drilled south of Borehole 15. A concrete obstruction was encountered at the 4 foot depth and drilling was halted. No further drilling was performed in the parking area due to the underground utilities and pipes.

The soil that was encountered in the abandoned borehole was a black, silty sand with a strong hydrocarbon odor. No borehole log was recorded for this hole.

Borehole 16

Borehole 16 was drilled just south of the concrete slab of the former maintenance building (Figure 3 -Borehole Locations). Due to an equipment failure, the borehole was only drilled to a depth of 25 feet. Five soil samples (16A, 16B, 16C, 16D and 16E) were collected. These samples registered field OVA readings ranging from 0 to 165 ppm.

Analytical Results indicated TRPH concentrations of 310 mg/kg in sample 16A, 5,590 mg/kg in sample 16B, 1,150 mg/kg in sample 16C, and ND at the indicated detection limits in samples 16D and 16E. The pH analysis for 16C was 8.2. Analytical Results for EPA Method 8240 in sample 16C indicated 64 μg/kg Acetone, 18(B) μg/kg Methylene Chloride, 5 μg/kg Benzene, 9 μg/kg Ethylbenzene, 19 μg/kg Xylenes, and ND at the indicated detection limits for the other constituents analyzed. The B indicates that the analyte was found in the associated blank as well as the sample, but the value was not blank corrected.

The soil in Borehole 16 ranged from a fine-grained, silty sand to gravelly sand at the 20 foot depth. A wet black "gooey" layer was encountered at the 10 foot depth. The soil was damp to wet. The perched groundwater zone was not encountered in this borehole.

Borehole 17

Borehole 17 was drilled just north of the concrete slab of the former maintenance building (Figure 3 -Borehole Locations). Four soil samples (17B, 17C, 17D and 17E) were collected. These samples registered field OVA readings ranging from 0 to 46 ppm.

Analytical Results indicated TRPH concentrations of 1,970 mg/kg in sample 17B and ND at the indicated detection limits in samples 17C, 17D and 17E. The pH analysis for sample 17D was 7.2. Analytical Results for EPA Method 8240 in sample 17D indicated 14 μg/kg Acetone, 5(B) μg/kg Methylene Chloride, and ND at the indicated detection limits for the other constituents analyzed. The B indicates that the analyte was found in the associated blank as well as the sample, but the value was not blank corrected.

The soil in Borehole 17 ranged from a fine-grained, silty sand to a gravelly sand at the 20 foot depth. The soil was damp to moist. The perched groundwater zone was not encountered in the borehole.

Borehole 18

Borehole 18 was drilled just north of the compressor shelter concrete slab (Figure 3 - Borehole Locations). Four soil samples (18C, 18D, 18E and 18F) were collected. These samples registered field OVA readings ranging from 0 to 82 ppm.

Analytical Results indicated TRPH concentrations of 48 mg/kg in sample 18D, 74 mg/kg in sample 18E and ND at the indicated detection limits in samples 18C and 18F. The pH analysis for sample 18C was 7.3. Analytical Results for EPA Method 8240 in sample 18C indicated 13 μg/kg Acetone, 7(B) μg/kg Methylene Chloride, and ND at the indicated detection limits for the other constituents analyzed. The B indicates that the analyte was found in the associated blank as well as the sample, but the value was not blank corrected.

The soil in Borehole 18 ranged from a fine-grained silty sand to a gravelly sand at the 25 foot depth. The soil was damp and a perched groundwater zone was encountered at the 30 foot depth.

Borehole 19

Borehole 19 was drilled in the southeast corner of the former control building concrete slab (Figure 3 - Borehole Locations). Five soil samples (19A, 19B, 19C, 19D and 19E) were collected. These samples registered field OVA readings ranging from 0 to 161 ppm.

Analytical Results indicated TRPH concentrations were ND at the indicated detection limits for all of the samples. The pH analysis for sample 19C was 8.3. Analytical Results for EPA

Method 8240 in sample 19C indicated 12 μg/kg Acetone, 6(B) μg/kg Methylene Chloride, and ND at the indicated detection limits for the other constituents analyzed. The B indicates that the analyte was found in the associated blank as well as the sample, but the value was not blank corrected.

The soil in Borehole 19 ranged from a fine-grained, silty sand to a gravelly sand at the 25 foot depth. The soil was damp and a perched groundwater zone was encountered at the 30 foot depth.

4.0 ENVIRONMENTAL CONDITIONS

This section will describe the environmental conditions at the APCI site. Environmental conditions include site geology, hydrology, hydrogeology and meteorology.

4.1 Site Geology

The site is located in the southern portion of the Central Section of the Los Angeles Basin. Soils in this portion of the Basin are mainly comprised of recent soil formations made up of clays, silts and sands that extend into the groundwater formation. The State of California, Department of Water Resources classifies these formations as "Younger Alluvium".

The site consists of a relatively flat grade, covered with concrete and asphalt in the contaminated area. The site is approximately 18 to 25 feet above mean sea level. According to the information collected during the present and past subsurface investigations, the following is a summary of the site subsurface soil conditions:

- 0 to 5 feet — Damp brown to grey, silty sand
- 5 to 10 feet — Damp to wet fine-grained, grey, silty sand
- 10 to 15 feet — Damp grey to black, fine-grained, silty sand
- 15 to 20 feet — Damp brown or grey, silty sand, maybe some gravel
- 20 to 25 feet — Damp grey or brown sand, maybe some gravel
- 25 to 30 feet — Damp to wet, gravelly sand
- over 30 feet — Moist to wet, brown, silty sand

Borehole logs from the February and May investigations are included in Appendix A. Soil conditions at the site were observed to a depth of 40 feet.

4.2 Site Surface Hydrology

The site is topographically even with the properties located to the north and south. The site is approximately 2 to 3 feet above Alameda Street on the west and approximately 20 feet above the Dominguez Channel water level. During periods of heavy rains, runoff water is channeled to area storm drains located throughout the site. The surface around the hydrogen plant purification area is mainly covered by asphalt and concrete. Some road base gravel has been spread on the roadway between the purification area and the former compressor shed.

The northeast and east portions of the site are bare soil. Any runoff would pond and eventually evaporate and/or percolate into the subsurface. The potential of water runoff from the site is minimal. The site did not experience any uncontrolled rain water runoff release during the uncharacteristically heavy rain period of 1993.

4.3 Site Hydrogeology

A perched groundwater zone was encountered at approximately 30 feet below the surface. This perched groundwater may be caused by the result of heavy rains during the 1992\1993 rain season in the Los Angeles area. The next groundwater formation is estimated to be 60 to 100 feet below the surface. This deeper groundwater formation would correspond to the Gage Aquifer, a major hydro-stratigraphic unit in the basin. Groundwater flow in the Gage Aquifer in the vicinity of the site, trends generally in a westerly direction. No known municipal use exists for the groundwater beneath the APCI site.

4.4 Site Meteorology

The climate of the Carson area, like most of Southern California, is controlled by the strength and position of a semi-permanent high pressure center over the Pacific Ocean. The high pressure ridge over the west coast of Southern California creates a repetitive pattern of frequent early morning cloudiness, hazy afternoon sunshine, daytime on-shore breezes and little temperature changes throughout the year. Limited rainfall occurs in the winter when the fringes of mid-latitude storms move through the area and the high pressure center is weakest and furthest south. On the average 12 to 15 inches of rain fall annually from November through early April. Summers are often completely dry.

Local meteorological conditions conform to the pattern of strong on-shore winds by day, especially in the summer, and weak off-shore winds by night, especially in the winter. Winds blow on-shore from the west/southwest by day and off-shore from the east/northeast by night, with the on-shore component much stronger and more persistent than the weak off-shore component.

5.0 CONCLUSION

Based on the information obtained from the March 1988 Underground Diesel Tank Removal, the March 1993 Site Investigation Report, the February 1993 Soil Gas Survey and the site investigation performed in May 1993, IT has completed the evaluation of the types, the sources and the extent of contamination at the APCI hydrogen production plant purification area.

5.1 Types and Source of Contamination

There are several local industrial sources of hydrocarbons at this site that may have contributed to the contamination of the soil. The task at hand was to differentiate the Air Products soil contamination, related to past surface spills of hydrocarbon condensate, from any other outside sources of contamination that were not attributable to past Air Products activities. Existing underground pipelines, which run along Alameda Street adjacent to the site, appear to be another source of hydrocarbon contamination. In addition, there is known hydrocarbon contamination of regional groundwater in the area.

The information obtained from the diesel tank removal and (IT Corporation, 1988) site assessment indicated that petroleum hydrocarbons and Benzene, Toluene, Ethylbenzene and Xylenes were present in the soil. At the time of the removal of the diesel tank, it was thought that the tank was the source of contamination. We know now that this tank was not the source of contamination, since the petroleum hydrocarbons and BTEX were not characteristic of diesel fuel; the flash point was well below that expected for diesel; the integrity of the tank and piping appeared to be intact; and the contamination extended, in a wide fashion, from the surface down to a depth of 20 feet, which would indicate a surface spill rather than an underground storage tank release.

The Soil Gas Survey (Target Environmental Services, Inc., 1993) indicated that the chromatogram signatures of the samples collected in the central portion of the purification area were indicative of the gasoline-like hydrocarbon condensate handled by Air Products in this area. The signatures of the samples collected in the western and southwestern portions of the purification area revealed a complex petroleum hydrocarbon mixture which was not typical of gasoline or diesel fuel. The highest concentrations of TPH and BTEX were west of the aboveground storage tank area and in the southwestern portion of the hydrogen plant purification area. The Air Products tanks, given their location and contents, do not appear to be the source

of this contamination. Investigation of other potential sources of the petroleum hydrocarbon mixture, such as the underground pipelines which run along Alameda Street, would be prudent; however, such an investigation is beyond the scope of this work plan.

The five boreholes drilled in March 1993 were positioned, using the soil gas survey results as a guide. The Analytical Results indicated that high concentrations of TRPH and BTEX were detected in the samples collected from the 5 and 10 foot depths in all of the five boreholes. TPH and BTEX were also detected in Boreholes 2 and 4. The surface to the 15 foot depth extent, and the nature of the contamination suggests that surface spills from the aboveground tanks were the source of this contamination. The reappearance of BTEX in Borehole 2 at the 30, 35 and 40 foot depths, and in Borehole 4 at the 35 foot depth, however, cloud this issue. Given that the 15 foot to the 35 foot depth appears to be clean, this reappearance of BTEX suggests that another source may be present for the contamination. See Table 3.1 for a Summary of the Analytical Results.

The latest borehole sampling performed in May 1993, further defined the lateral and vertical extent of contamination. It also quantified the hydrocarbon concentrations. In addition, select soil samples were analyzed by EPA Method 8240 for Halogenated Volatile Organic Compounds (HVOC). While very low levels of Methylene Chloride and Acetone were detected in some of the samples, Methylene Chloride, when detected, was also detected in the method blanks and these values were not blank corrected. Acetone was also detected in several of the method blanks and these values were also not blank corrected. Given the low levels of these substances and their presence in the laboratory blanks, Methylene Chloride and Acetone are not considered to be contaminants of concern.

IT believes that the gasoline-like contamination found in the hydrogen purification area at the depths of 5, 10 and 15 feet are the result of surface spills from the aboveground storage tanks. In the central portion of the site this contamination extends to a depth of approximately 30 feet. The complex hydrocarbon substance discovered on the western and southwest area of the site appears to emanate from other sources. The contamination discovered in some of the deepest soil samples also appears to emanate from a source other than Air Products since the Air Products surface spill evidence is not continuous from the surface to that depth. Since the 15 foot to the 35 foot depth at these locations is essentially clean, the source may have been past activities at the site prior to APCI presence or the effects of the known regional groundwater contamination from below.

5.2 Areal Extent of Contamination

The areal extent of contamination in an east-west direction is approximately 200 feet. This is measured from Borehole 13 to Borehole 19. In a north-south direction the extent is approximately 300 feet measured from Borehole 17 to Borehole 15. The depth of contamination was approximately 5 feet deep on the extremes and progressively deeper toward the center of the purification area. Borehole 9 showed the deepest extent of contamination with concentrations of TRPH at the 30 foot depth. Figure 4 shows cross sections of the TRPH contamination across the site in a north-south, and west-east direction. Figure 5 indicates the boreholes that were used for the cross sections.

It is known that the regional groundwater is contaminated with hydrocarbons from other sources. IT is aware of a regional groundwater study presently underway. This study is jointly sponsored by ARCO, Shell, Texaco, and GATX Terminals Corp. The results of the study may provide information regarding groundwater conditions at the Air Products site. Since the contamination attributable to Air Products appears to occur in the top 30 feet of soil, and that the groundwater is 60 feet down, we are not recommending the installation of groundwater wells at this time.

5.3 Cleanup Guidelines

The following section discusses soil and groundwater cleanup requirements by various regulatory agencies as understood by IT. Action levels for soil and groundwater have been based on the strictest interpretation of agency guidelines concerning action levels.

5.3.1 Soil

The California Regional Water Quality Control Board "Water Quality Objectives of 1985" established soil and groundwater action levels in their guidelines. The action levels for the contaminants detected on-site based on these guidelines, are: TPH at 2,000 mg/kg, Benzene at 700 μg/kg, Toluene at 100 mg/kg, Ethylbenzene at 1.4 mg/kg, Xylene at 620 mg/kg and Methylene Chloride (Dichloromethane) at 190 μg/kg. The action levels for the TPH and BTEX are developed for soil, in order to protect groundwater. Acetone is not a regulated substance and does not have an action level. The Methylene Chloride and Acetone detected at the site are not considered to be a hazardous waste problem since they were detected at low levels and were present in the method blanks, will not be further discussed.

In addition, the Leaking Underground Fuel Tank (LUFT) Manual suggests action levels for petroleum hydrocarbon contaminated soil resulting from underground fuel storage tanks.

According to the LUFT Manual, Table 2-1, page 29 Leaching Potential Analysis for Gasoline, using TPH; the leaching potential score for Gasoline contamination at the site is calculated as follows:

CONDITION	SCORE
Depth to groundwater less than 100 feet	9 points
No fractures in subsurface	10 points
Average rainfall is 14 to 17 inches/year	9 points
No man made conduits	10 points
Site-coarse soil	5 points
Total Site Score	43 points

The scores above are assigned to the listed scenarios in order to achieve a score to be used in selecting maximum allowable levels of contaminants that can be present at the site. If existing contaminants exceed the prescribed levels, remediation activities will be required. Based on the 43 score obtained, maximum allowable levels of TPH as Gasoline and BTEX contamination are 100, 1.0, 1.0, 1.0 and 1.0 mg/kg, respectively. These levels are strictly developed based on the presence of gasoline fuel in the soil as a result of a release from an underground tank leak. Remediation of the overlying soils should lessen the degree of contamination and restore normal site conditions to prevent any degradation of the groundwater.

5.3.2 Groundwater

Given that the APCI contamination does not extend deeper than 30 feet, contaminants from the site are not believed to have impacted regional groundwater. The shallow, perched groundwater encountered at the site appears to be transitory. Contamination of this perched groundwater zone will be, in effect, remediated after completion of the soil remedial efforts.

6.0 RECOMMENDATIONS

IT recommends implementation of the remedial alternatives for soil contamination discussed in sections 7.0 and 8.0 of this report, which evaluate site contaminant behavior as well as remedial alternatives of the soil.

Based on the discussion in section 8.0, the recommended remedial alternatives are Soil Vapor Extraction (SVE) followed by Recycling.

7.0 CONTAMINANT FATE AND TRANSPORT, HYDROGEN PLANT PURIFICATION AREA

7.1 Contaminants Description

The purpose of this section is to identify the contaminants of concern, and to discuss the physical and chemical properties of these contaminants in relation to their ultimate fate and transport in the environment. These contaminants of concern were selected based on results obtained from the field investigations.

The guidance by the USEPA (United States Environmental Protection Agency, Risk Assessment for Superfund, Volume I, Human Health Evaluation Manual EPA 540-1-89/002) for the selection of contaminants of concern was followed. This guidance document suggests that in selecting contaminants of concern, the focus should be on those contaminants that constitute the bulk of the potential risk. There are two major classes into which contaminants of concern fall; organics and metals. Metal constituents were not analyzed for in the soil samples. Table 7.1 summarizes the Constituents of Concern at the APCI site.

TABLE 7.1
Contaminants of Concern

Petroleum Hydrocarbons
Volatile Organics
Benzene
Toluene
Ethylbenzene
Xylenes

7.1.1 Volatile Organics

In general, the fate of organics in the environment is determined, to a large degree, by the contaminants' water solubility and high propensity for binding to particulate or other organic matter. Organics will strongly sorb to surface material. Organics in the atmosphere are associated almost exclusively with particulate matter. Although organics are very persistent, bio-degradation by bacteria and photo oxidation of particle bound compounds do occur. Also, the rate of decay may be influenced by the chemical properties of the binding substrate.

The majority of the organic compounds in the soil are slightly soluble, to nearly insoluble in water. Of the detected compounds, Benzene, Toluene, Ethylbenzene and Xylenes are the most soluble. The general rule of solubility is that it decreases with an increasing number of aromatic rings. Therefore, the most likely organic compounds to be leached from the soil by water would be the low molecular weight aliphatic hydrocarbons (C5 through C8).

Benzene, Toluene, Ethylbenzene and Xylenes are constituents with volatility properties that at sufficient concentrations, could be expected to volatilize and be detected through the soil.

7.2 Potential Routes of Migration

The environmental factors that influence the mobility of a contaminant include climatology, surface hydrology, geology, and hydrogeology.

7.2.1 Climatology

The APCI site is located in Southern California where the climate is classified as Coastal Mediterranean type, with a rainy winter season and dry summers. Precipitation in the area averages 12 to 15 inches each year. With the exception of the 1992/1993 season, the region had experienced a drought over the last six years. In winter the average daily temperatures range from the low 40 degrees to the high 70 degrees Fahrenheit. In summer, average daily temperatures range from the low 60 degrees to the high 80 degrees Fahrenheit.

7.2.2 Surface Hydrology

The site is in an area surrounded by oil refineries and chemical manufacturers. The surface area of the site is mostly covered by asphalt or concrete slabs.

7.2.3 Geology

The soil at the site, based on the borehole logs, is a grey to dark brown, silty sand with interbedded gravel zones. The soil is fairly porous and was damp to wet.

7.2.4 Hydrogeology

The site has at least two known groundwater zones. A perched groundwater zone is located at approximately 30 feet below the surface. This zone may be the result of the recent rainfall in the Los Angeles area. The other groundwater zone is located at an approximate depth of 60 to 100 feet. This zone would be equivalent to the Gage aquifer.

7.3 Factors Affecting Waste Migration

The transport of contaminants of concern is largely a function of their physical properties, the physical properties of their surrounding matrix, the physical conditions to which they are subjected, and to the chemical factors. Highly volatile wastes are more prone to be transported through the atmosphere and the more soluble ones to be carried by water.

Wastes will move farther and faster in porous sandy formations than in denser soil. Volatile wastes are mobile under hot windy conditions, and soluble during periods of heavy rainfall. The transport and fate of each contaminant is highly dependent upon its characteristic physio-chemical properties. The properties of greatest importance in this regard are:

- Molecular Weight
- Vapor Pressure
- Water Solubility
- Volatility (Henry's Law Constant K_h or H_c)
- Octanol Partition Coefficient (Kow)
- Organic Carbon Water Coefficient (Koc)
- Bio-concentration Factor

All of these influence a contaminant's environmental persistence. The physical and chemical properties of the contaminants of concern are presented in Table 7.2.

Water solubility is the maximum concentration of a chemical that dissolves in pure water at a specific temperature and pH. It is a critical property affecting environmental fate and transport.

Vapor pressure is a relative measure of the volatility of a chemical in its pure state and is a important determinant of the rate of vaporization from soil and surface waters.

Henry's Law Constant is another parameter, important in evaluating volatilization from waste exposed to air.

The Organic Carbon Water Coefficient (Koc) is a measure of the tendency for organics to be absorbed by the soil and sediments. The Koc is chemical specific and is largely independent of soil properties, and is a prime determinant of phase transport in moist soil.

The Octanol Partition Coefficient (Kow) is a measure of how a chemical is distributed at equilibrium between Octanol and water. It is an important parameter and is often used in the assessment of environmental fate and transport for organic compounds.

The bio-concentration factor provides a measure of the extent of chemical partitioning at equilibrium between a biological medium, such as a fish tissue and/or plant tissue and an external medium, such as water. The larger the factor becomes, the greater the likelihood of accumulation in living tissue.

TABLE 7.2
PHYSICAL AND CHEMICAL PROPERTIES FOR POTENTIAL CONTAMINANTS OF CONCERN AT THE APCI SITE

CONSTITUENT	BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES
Molecular Weight (amu)	58	92	106	106
Vapor Pressure (mmHg)	95.2	28.1	7	10
Water Solubility (25 Celsius/mg/L)	1750	535	152	198
Volatility Henry's Constant (atm m3 lig/moles)	$5.59X10^{-3}$	$6.37X10^{-3}$	$6.43X10^{-3}$	$7.04X10^{-3}$
Log Kow	2.12	2.73	3.15	3.26
Koc (mg/g)	83	300	1100	248
Persistence/ Bio-degradation	1	NA	NA	1

NA - Not Applicable
amu - atomic molecular unit
mmHg - millimeters of Mercury
mg/l - milligrams per Liter
mg/g - milligrams per Gram

8.0 SITE REMEDIATION FEASIBILITY STUDY

This section summarizes the site remediation alternatives that may be used to remediate the contamination that is present at the APCI site.

8.1 Site Remediation Objectives

Soil contamination at the site appears to originate from the former aboveground hydrocarbon condensate and diesel storage tanks.

Based on this, IT will evaluate remedial alternatives that will achieve compliance with remediation guidelines that have been established by the State of California LUFT Manual, the Regional Water Quality Control Board and the County of Los Angeles Department of Public Works Guidance. Based on interaction with the appropriate regulatory agency, and considering the area background, the cleanup objective may be re-established at higher levels. The following is a tabular form of applicable remediation goals.

TABLE 8.1
ESTABLISHED CLEANUP GOALS
NON-SITE SPECIFIC

CONTAMINANT	LUFT GOAL*	COUNTY GUIDANCE *	RWQCB ACTION LEVELS
TRPH	1000 ppm	Background	NA
EPA 8015 TPH Gasoline Diesel	 100 ppm 1000 ppm	"	NA
BENZENE	1.0 ppm	"	700 μg/kg
TOLUENE	1.0 ppm	"	100 mg/kg
ETHYLBENZENE	1.0 ppm	"	1.4 g/kg
XYLENES	1.0 ppm	"	620 mg/kg

* Based on total contaminants present **Based on soil levels to protect groundwater

NA - Not Applicable

In addition, any systems, equipment, and/or construction to be conducted on-site to achieve these goals will be in compliance with all federal, state and local laws and regulations.

8.2 Feasibility Study Objectives

Remediation alternatives selected were evaluated, based on the following criteria which are, listed in terms of importance in the decision making process.

- Effectiveness and protection of public health and the environment
- Cost of alternative
- Technology availability and ease of application
- Ease of permitting and agency acceptance
- Time to apply
- Potential future liabilities associated with executing the alternative

APCI requested that in addition to this criteria, special consideration be given on a remedial technology's cost, time frame to implement, regulatory acceptance, technical feasibility, and future potential liability. Table 8.2, below, summarizes these criteria for each remedial alternative.

TABLE 8.2
REMEDIAL ALTERNATIVE CRITERIA

REMEDIAL ALTERNATIVE	COST 1,000,000's	TIME* FRAME	REGULATORY ACCEPTANCE	FEASIBILITY	LIABILITY POTENTIAL
No Action	.05	NA	Not Accepted	Not Feasible	Deed Restriction
Land Disposal	21.5	3-4 Month(s)	Acceptable	Feasible	Future Liability
Thermal Destruction	27.3	10-12 Month(s)	Not Likely	Not Feasible	Air Discharge
Soil Washing	9.0	10-12 Month(s)	Acceptable	Acceptable	Water Treatment
Bio-remediation	3.7	2-3 Year(s)	Acceptable	Not Feasible	Air Discharge
In-Situ Vapor Extraction	1.8	1-2 Year(s)	Acceptable	Feasible	NA
Recycling	5.4	3-4 Month(s)	Acceptable	Feasible	NA

* - Time frame approximated for implementation including permitting

NA - Not Applicable

8.3 Remedial Alternatives

The following is a list of remedial alternatives and associated approximate costs as evaluated for the APCI site. These remedial alternatives are based on the worst case scenario for the site. They may be substantially lessened after regulatory review. Prices listed in each of the options are estimated and/or average prices per ton, assuming 35,000 cubic yards (52,500 tons) of contaminated soil are present at the site. Total prices quoted include over-run contingencies and administrative costs. Some of the prices listed are based on current disposal and/or recycling facility fees. Other prices are based on the Hazardous Materials Treatment Technologies Manual (HMTT) prepared by the Federal EPA and dated February 9, 1989.

8.3.1 No Action

No Action involves leaving contaminated soil in place and is the least costly. No Action can achieve compliance with the guidelines listed, if a risk assessment is performed and shows that by leaving the material in place there is no endangerment to public health and the environment. The associated costs are administrative costs estimated at $50,000. This option will involve future deed restrictions for the property, if accepted by the appropriate regulatory agency.

8.3.2 Land Disposal

This alternative was widely used in the past to remediate contaminated soil similar to those present at the APCI site. However, lack of suitable, properly designed landfill space for this waste makes this alternative less attractive. In addition, this alternative is merely a storage alternative and not a final destruction of the waste. The alternative will involve excavating and off-site disposal of all contaminated soil. Cost for land disposal of the contaminated soil, including all site activities, excavation and disposal taxes will be approximately $21.5 million.

This cost includes segregating the contaminated soil, backfilling and restoration. This cost is based on tons of actual contaminated soil above goal levels listed in Table 9-1. Cost is based on approximately $100 per ton for disposal at the Chem Waste Class I facility, plus a $10 per ton Kings County Tax, and approximately $33 per ton for transportation, excavation and restoration is based on $20 per ton. In addition, a state tax, currently $102 per ton, is included in the estimate. Permitting for this alternative is relatively easier than other alternatives.

8.3.3 Thermal Destruction

This is a very effective solution that completely destroys contaminants by burning them.

Incineration can either be high temperature, which completely burns the media, including the contamination present, or low temperature that burns waste contaminants with low burning temperature and preserves the media.

The permitting requirements for this alternative are very extensive and include conducting burn tests to determine the applicability and effectiveness of the alternative for the site specific waste. The solution is time extensive, mainly due to the permitting process. The incineration is also equipment intensive. In addition, fly ash as well as off-gas emissions, will require further treatment prior to final disposal. This alternative involves excavation of the contaminated soil for either on-site or off-site incineration.

Costs including excavation, segregation of contaminated soil and backfilling, and site restoration will be in the excess of $27.3 million. This estimate is based on $20 per ton to excavate and restore the site, plus an estimated cost of $500 per ton to permit and thermally destruct of waste. These costs are based on USEPA Hazardous Material Treatment Technologies, issued February 9, 1989 (HMTT).

8.3.4 Soil Washing

Soil washing is also a very effective alternative. However, soil washing transmits contaminants from soil to water and chemical solution mix. This mix requires further treatment prior to final disposal. Soil washing is both time and equipment intensive, requires extensive testing to produce optimum water-chemical mix, and requires extensive permitting. The alternative involves excavation and removal of contaminated soil for on-site washing.

The cost of soil washing, including excavation segregation, washing, backfilling and site restoration is approximately $9.0 million. This is based on a cost estimate of $150 per ton and $20 per ton to excavate and restore. In addition, soil washing costs $.50 per gallon to treat generated waste water.

8.3.5 Bio-remediation

Bio-remediation is a very effective alternative when dealing with petroleum hydrocarbon related contaminants. The alternative is effective, environmentally safe, readily available and easily applied. However, bio-remediation is a time extensive solution and may take weeks, and sometimes months to apply. In addition, bio-remediation requires optimum environmental conditions to be highly effective.

This alternative will involve the excavation of the contaminated soil for on-site treatment.

Bio-remediation involves excavating and spreading the contaminated soil in lifts up to 18 inches deep. Because of the presence of highly volatile organic compounds, this alternative will require extensive permitting from the South Coast Air Quality Management District (SCAQMD) and will require extensive monitoring and sampling program implementation.

Costs for this alternative are approximately $3.7 million. This is based on $50 per ton, plus $20 per ton for excavation and restoration.

8.3.6 Soil Vapor Extraction

The application of Soil Vapor Extraction (SVE) technology to the remediation of soils contaminated with petroleum hydrocarbons and volatile organic compounds is gaining wide acceptance. The alternative involves installing a series of vapor extraction wells, and applying vacuum pressure to them. The contaminant vapor is drawn off and either burned in a portable incinerator (oxidizer) or passed through a carbon absorption system.

This alternative is effective, environmentally safe, readily available, and easily applied. However, SVE is a time extensive solution and may take weeks, and sometimes months to be effective.

The incineration will be high temperature, which completely burns the vapors. Carbon absorption causes the vapors to be passed through a filter media. However, incineration is the preferred alternative over carbon absorption because of the replacement costs of the filter media. The incinerator may be used at another site after all of the contaminants have been removed from the soil. The permitting requirements for this alternative are easily obtainable. The incineration is also equipment intensive and requires weekly maintenance and monthly air sampling.

Soil Vapor Extraction is the least costly of the remedial alternative. No excavation of the soil is required. The cost for Soil Vapor Extraction and site restoration is approximately $1.8 million. This cost is based on purchasing a system for approximately $200,000 (including oxidizer). System installation, vapor extraction well installation, monthly sampling, operation and maintenance, and utilities is approximated at $30 per ton.

8.3.7 Recycling

This alternative is a very effective solution that reuses the contaminated soil by making the soil into asphalt. There are no permitting requirements for this alternative. Acceptance by the recycling facility is a prerequisite. There is no long term liability with recycling. This alternative involves excavation of the contaminated soil, and transportation to the recycling facility.

Costs including excavation, transportation, recycling costs, backfilling, and site restoration are estimated to be $5.4 million. This alternative can be used only after the highly volatile organic vapors have been removed from the soil.

8.4 Recommended Remedial Methods

IT recommends that in-situ soil vapor extraction and recycling be the remedial method utilized at the site. The following are reasons for selecting these remedial methods:

8.4.1 Soil Vapor Extraction

- As a result of the highly volatile components at the site, SCAQMD will not allow removal of the soil without removing or preventing the escape of the volatiles to the atmosphere, soil vapor extraction (SVE) can remove the most volatile contaminants.
- SVE is a proven technology in remediation of Petroleum Hydrocarbon contamination.
- SVE is very effective on the type of waste present, can be applied safely, and will provide maximum protection to public health and environment.
- SVE is the least costly alternative for the removal of the volatile organic compounds.
- The technology is simple, and the equipment is readily available.

Soil Vapor Extraction is the least costly of the remedial alternative. No excavation of the soil is required. The cost for Soil Vapor Extraction and site restoration is approximately $1.8 million. This cost is based on purchasing a system for approximately $200,000 (including oxidizer). System installation, vapor extraction well installation, monthly sampling, operation and maintenance, and utilities is approximated at $30 per ton.

8.3.7 Recycling

This alternative is a very effective solution that reuses the contaminated soil by making the soil into asphalt. There are no permitting requirements for this alternative. Acceptance by the recycling facility is a prerequisite. There is no long term liability with recycling. This alternative involves excavation of the contaminated soil, and transportation to the recycling facility.

Costs including excavation, transportation, recycling costs, backfilling, and site restoration are estimated to be $5.4 million. This alternative can be used only after the highly volatile organic vapors have been removed from the soil.

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IT recommends that in-situ soil vapor extraction and recycling be the remedial method utilized at the site. The following are reasons for selecting these remedial methods:

8.4.1 Soil Vapor Extraction

- As a result of the highly volatile components at the site, SCAQMD will not allow removal of the soil without removing or preventing the escape of the volatiles to the atmosphere, soil vapor extraction (SVE) can remove the most volatile contaminants.
- SVE is a proven technology in remediation of Petroleum Hydrocarbon contamination.
- SVE is very effective on the type of waste present, can be applied safely, and will provide maximum protection to public health and environment.
- SVE is the least costly alternative for the removal of the volatile organic compounds.
- The technology is simple, and the equipment is readily available.

- SVE is widely used and easily permitted.
- Minimum potential for future liability.
- Site lithology (i.e., soil permeability) will facilitate the use of SVE.
- Regulatory cleanup guidelines for the volatile organics can be achieved through SVE.
- The extent of contamination can be feasibly remediated by SVE.
- Time of cleanup remediation can be accomplished between 6 to 18 months.

8.4.2 Recycling

- This alternative is very effective on the type of waste present, can be applied safely, and will provide maximum protection to public health and environment.
- There is no long term liability associated with recycling.
- Time of removal can be accomplished in approximately two months after removal of volatile organics.
- Vertical and horizontal extent of contamination can be feasibly remediated.
- Permitting is minimal, versus the other alternatives.

8.5 Applicable Requirements

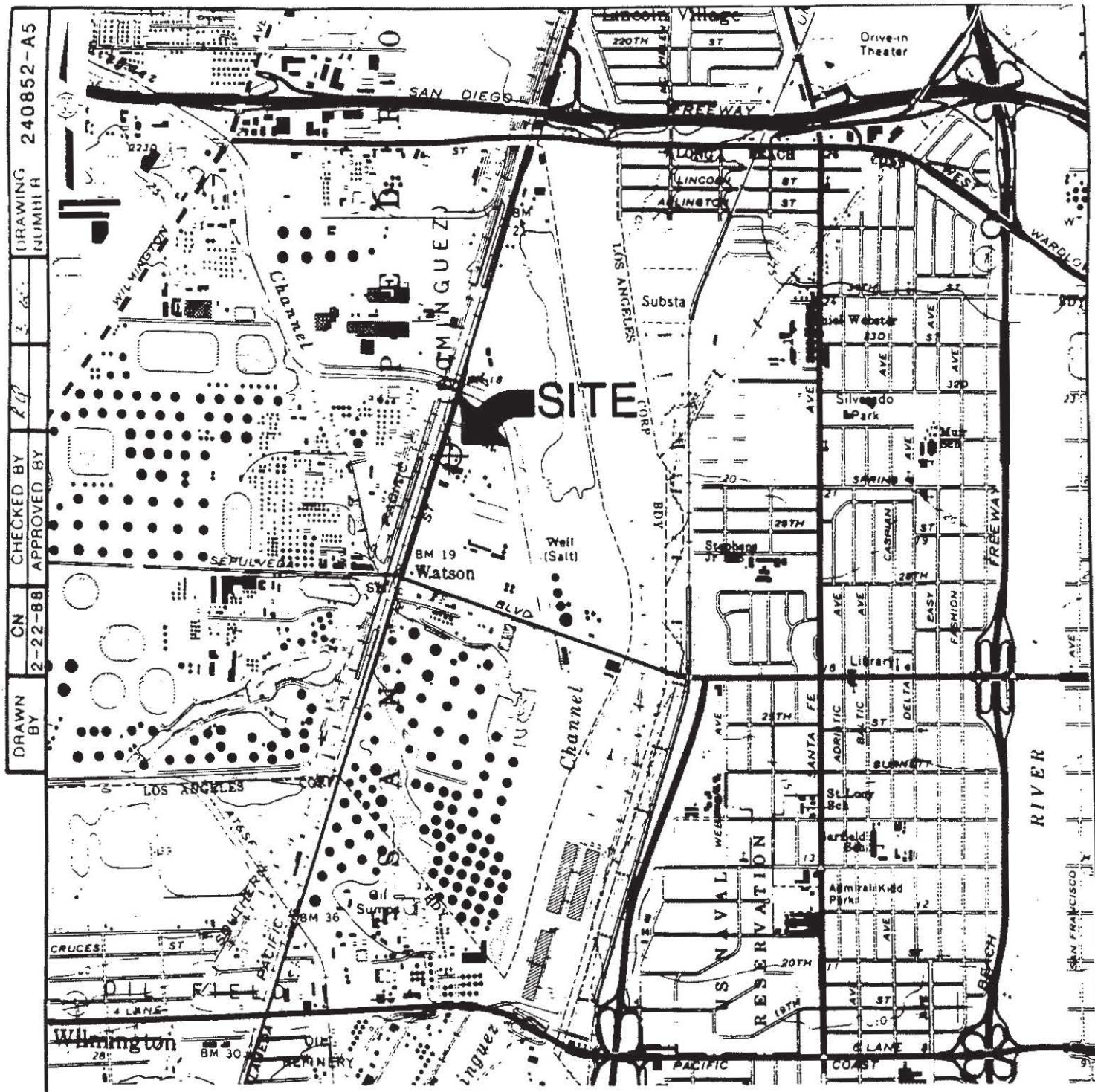
This section identifies applicable regulatory requirements as they relate to the selected alternatives. The final chosen contractor will contact the listed appropriate agencies to obtain any necessary permits and/or variances to implement this alternative.

TABLE 8.3
AGENCIES AND REQUIREMENTS

AGENCY	POSSIBLE REQUIREMENT
County of Los Angeles Department of Public Works	Overall Necessary Project Approval
Los Angeles Regional Water Quality Control Board	Waste Discharge Requirement Cleanup Goal Acceptance
South Coast Air Quality Management District	Air Emissions Permit/Equipment Permits
California Department of Toxic Substance Control	Compliance with Permit by Rule Requirements
City of Carson	Local and Building Permits

8.6 Application of Alternative/Site Control

A Remedial Action Work Plan will have to be submitted prior to remediation, describing the application of the selected alternatives to the Air Products site.



SCALE

0 2000 4000 FEET

FIGURE 1

SITE LOCATION MAP

INDUSTRIAL GAS PLANT
23320 SOUTH ALAMEDA STREET
CARSON, CALIFORNIA

REFERENCE :

USGS 7.5 MINUTE TOPOGRAPHIC MAP
OF LONG BEACH, CALIFORNIA QUADRANGLE
DATED : 1964 ; PHOTOREVISED : 1981
SCALE : 1:24,000

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DRIVEWAY

FORMER 2,500 GALLON UNDERGROUND DIESEL TANK

FORMER TRUCK SCALE

HYDROGEN PIPELINE

FORMER ABOVEGROUND DIESEL, HYDROCARBON CONDENSATE AND CAUSTIC STORAGE TANK AREA

FENCE

CONTROL ROOM

6,000 GALLON UNDERGROUND SPENT CAUSTIC SOLUTION TANK

ELEVATED CONCRETE PAD

ALLEY

0 10 20
FEET

FIGURE 2
SITE MAP
HYDROGEN PLANT PURIFICATION AREA

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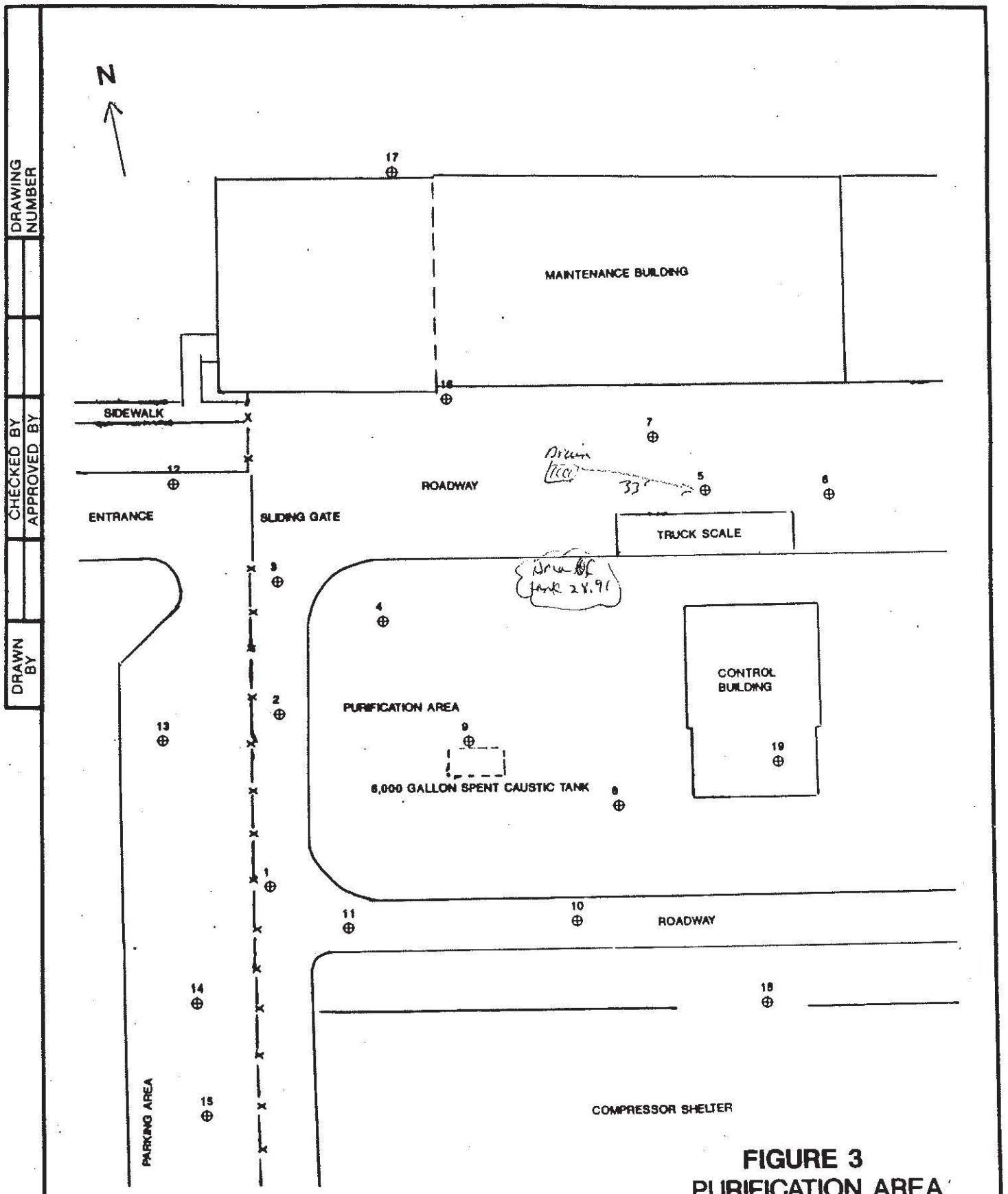


FIGURE 3
PURIFICATION AREA BOREHOLE LOCATIONS

LEGEND

BOREHOLE LOCATION ⊕ 9

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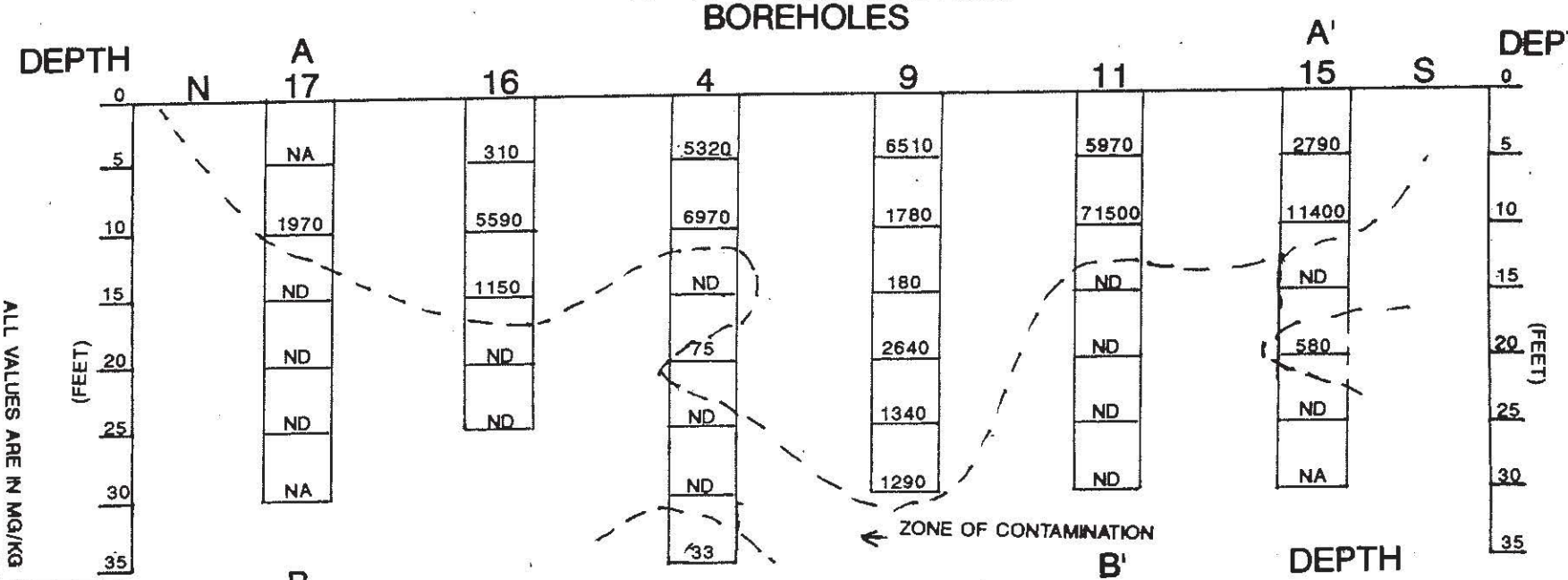
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A - A' CROSS SECTION BOREHOLES



B - B' CROSS SECTION BOREHOLES

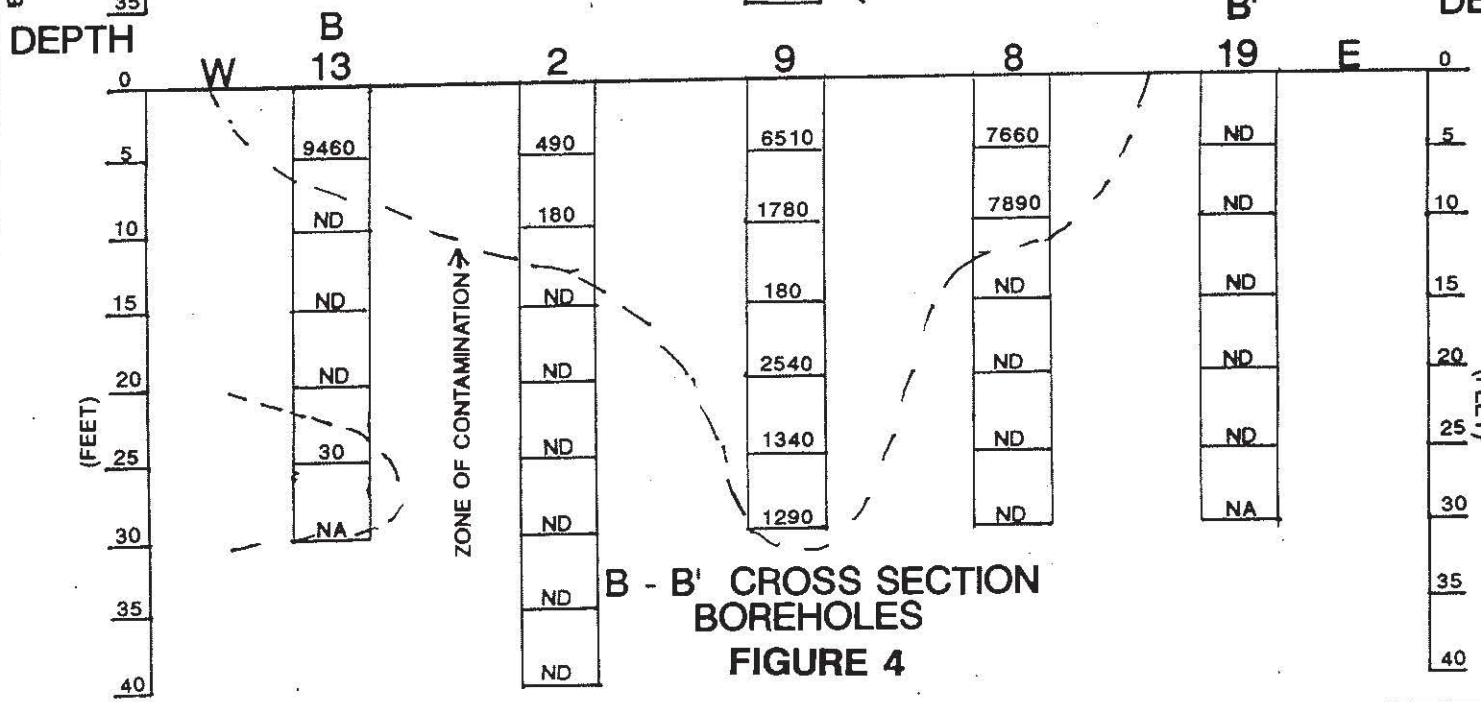


FIGURE 4

ALL VALUES ARE IN MG/KG
MG/KG = MILLIGRAMS PER KILOGRAM
ND = NOT DETECTED
NA = NOT ANALYZED

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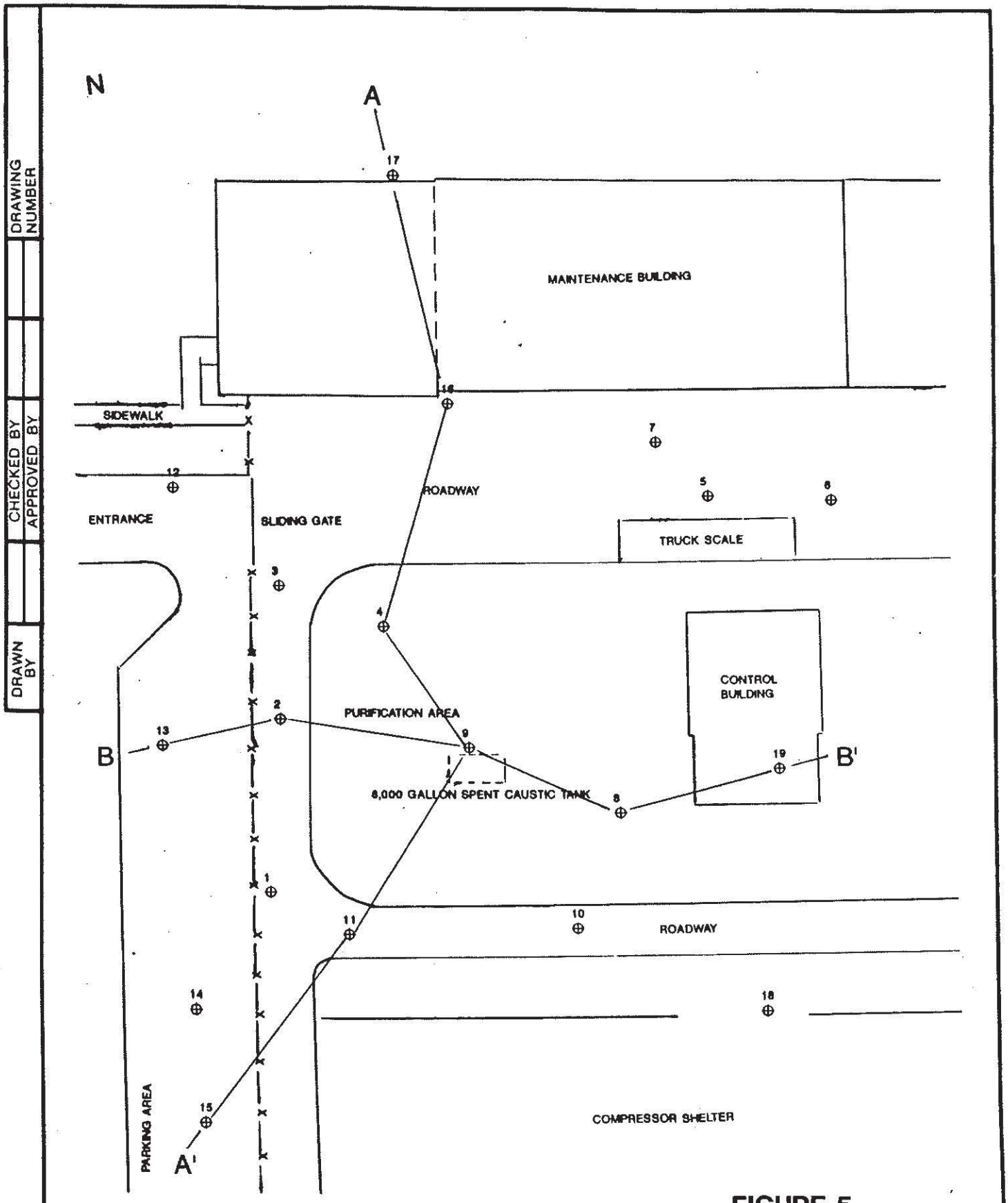


FIGURE 5
CROSS SECTION MAP

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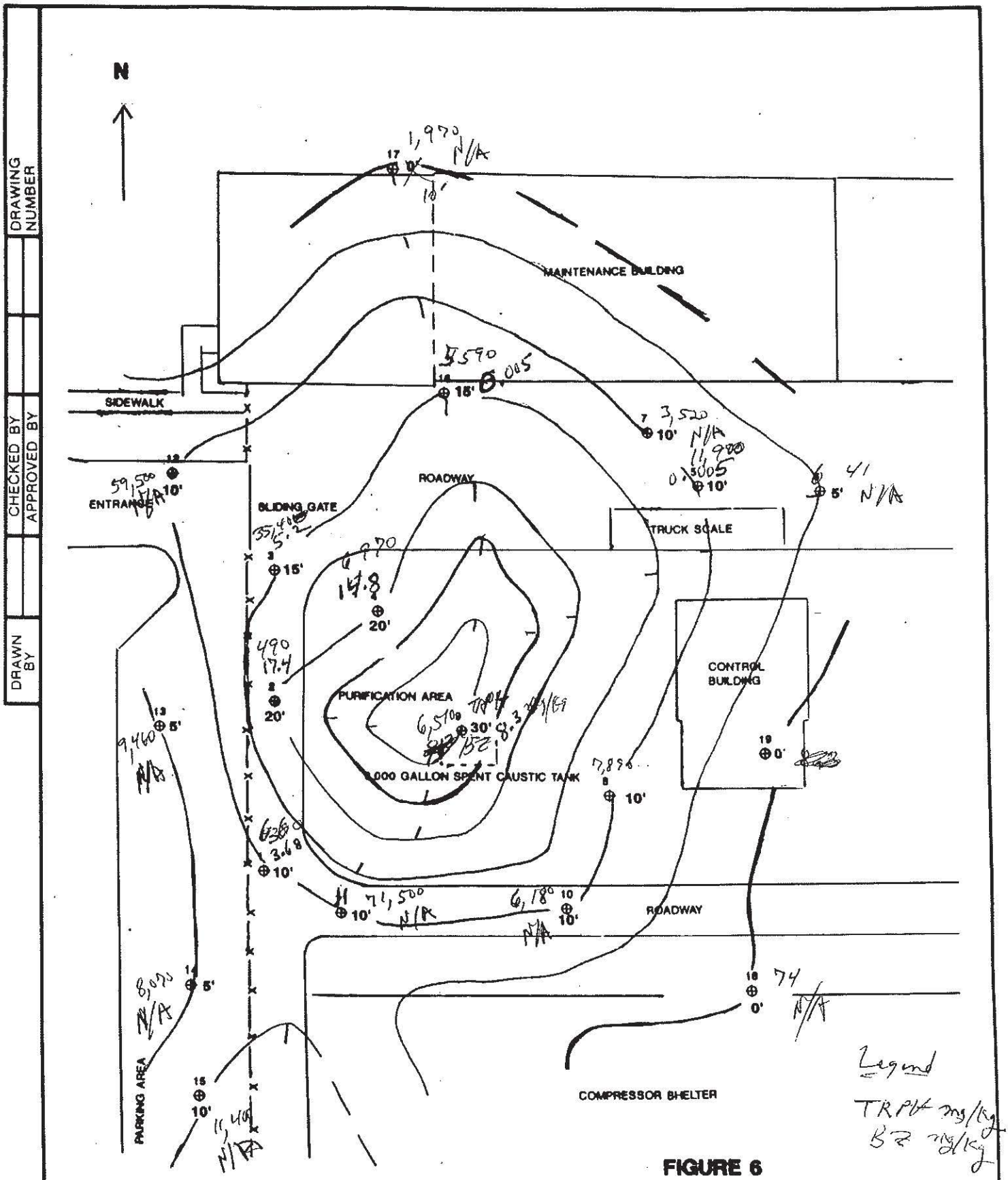


FIGURE 6
CONTAMINATED ZONE CONTOUR INTERVAL MAP

LEGEND

5' - CONTOUR INTERVAL FROM SURFACE ELEVATION

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Appendix D

Historical Research Documentation

Avocet Gen-Tie

23320 South Alameda Street

Long Beach, CA 90810

Inquiry Number: 7294079.8

March 31, 2023

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

03/31/23

Site Name:

Avocet Gen-Tie
23320 South Alameda Street
Long Beach, CA 90810
EDR Inquiry # 7294079.8

Client Name:

NV5
3777 Long Beach Blvd
Long Beach, CA 90807-0000
Contact: Eric Fraske

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	*Scale*	*Details*	*Source*
2020	1"=625'	Flight Year: 2020	USDA/NAIP
2012	1"=625'	Flight Year: 2012	USDA/NAIP
2009	1"=625'	Flight Year: 2009	USDA/NAIP
2005	1"=625'	Flight Year: 2005	USDA/NAIP
2002	1"=625'	Acquisition Date: January 01, 2002	USGS/DOQQ
1994	1"=625'	Acquisition Date: May 31, 1994	USGS/DOQQ
1989	1"=625'	Flight Date: August 22, 1989	USDA
1983	1"=625'	Flight Date: November 19, 1983	EDR Proprietary Brewster Pacific
1963	1"=625'	Flight Date: February 28, 1963	USGS
1952	1"=625'	Flight Date: January 01, 1952	USDA
1947	1"=625'	Flight Date: June 17, 1947	FAIR
1928	1"=625'	Flight Date: January 01, 1928	FAIR

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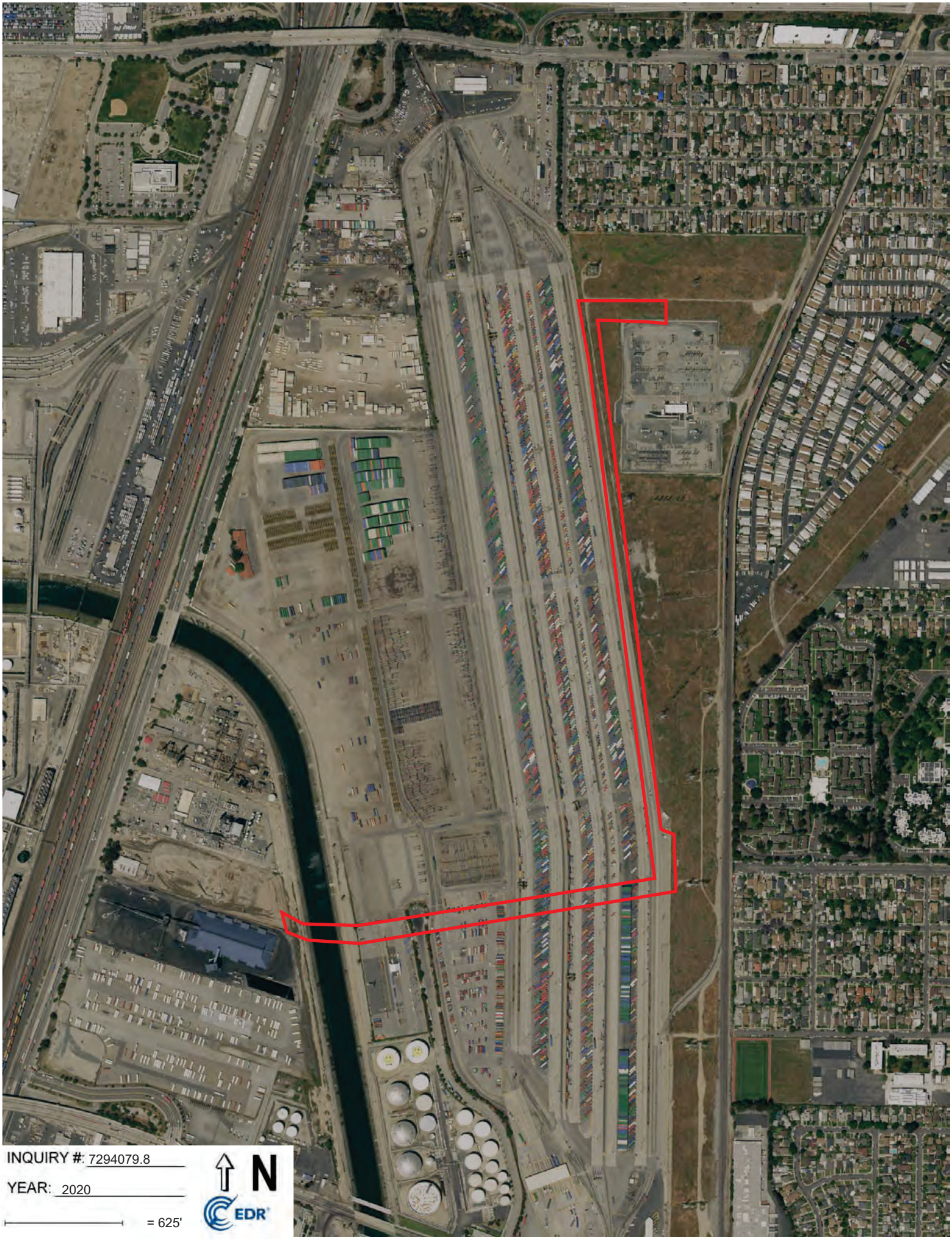
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INQUIRY #: 7294079.8
YEAR: 2020
= 625'
N
EDR


INQUIRY #: 7294079.8
YEAR: 2012
= 625'
N
EDR


INQUIRY #: 7294079.8
YEAR: 2009
= 625'
N
EDR


INQUIRY #: 7294079.8
YEAR: 2005
= 625'
N
EDR



INQUIRY #: 7294079.8

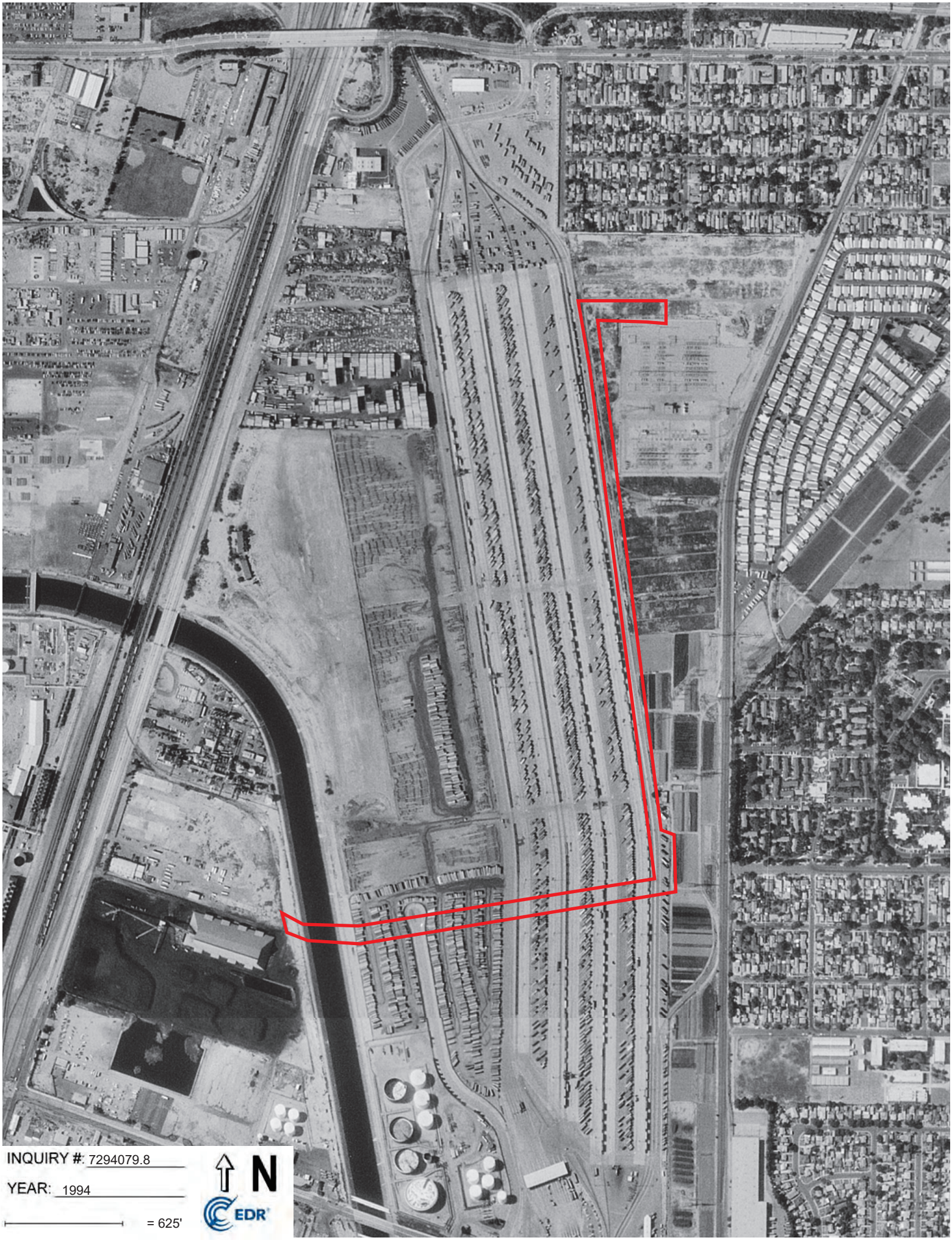
YEAR: 2002

= 625'

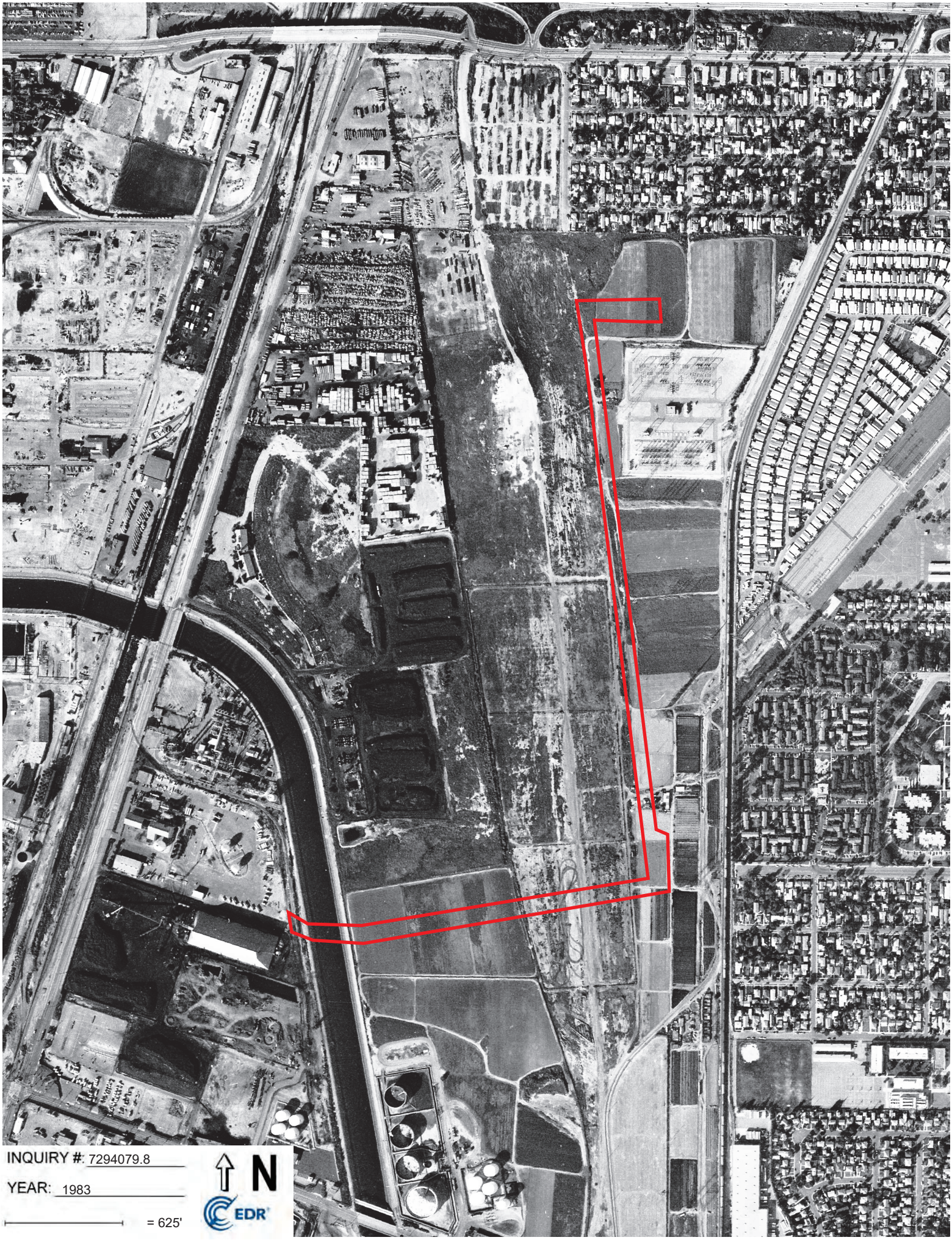
N

EDR

Subject boundary not shown because it exceeds image extent or image is not georeferenced.


INQUIRY #: 7294079.8
YEAR: 1994
= 625'
N
EDR


INQUIRY #: 7294079.8
YEAR: 1989
= 625'
N
EDR


INQUIRY #: 7294079.8
YEAR: 1983
= 625'
N
EDR


INQUIRY #: 7294079.8
YEAR: 1963
= 625'
N
EDR



INQUIRY #: 7294079.8

YEAR: 1952

= 625'

N

EDR

Subject boundary not shown because it exceeds image extent or image is not georeferenced.


INQUIRY #: 7294079.8
YEAR: 1947
= 625'
N
EDR



INQUIRY #: 7294079.8

YEAR: 1928

= 625'

N

EDR

Avocet Gen-Tie
23320 South Alameda Street
Long Beach, CA 90810

Inquiry Number: 7294079.5
March 30, 2023

The EDR-City Directory Abstract

Environmental Data Resources Inc
6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

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Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at approximately five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1920 through current. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 1320 feet of the target property.

Summary information obtained is provided in the text of this report.

RECORD SOURCES

The EDR City Directory Report accesses a variety of business directory sources, including Haines, InfoUSA, Polk, Cole, Bresser, and Stewart. Listings marked as EDR Digital Archive access Cole and InfoUSA records. The various directory sources enhance and complement each other to provide a more thorough and accurate report.

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Year	Source	TP	Adjoining	Text Abstract	Source Image
2020	EDR Digital Archive	-	X	X	-
2017	Cole Information	-	-	-	-
2014	Cole Information	-	-	-	-
2010	Cole Information	-	-	-	-
2006	Haines Company	-	-	-	-
2005	Cole Information	X	-	X	-
2004	Haines Company	-	-	-	-
2003	Haines & Company	-	-	-	-
2001	HAINES & COMPANY INC.	-	-	-	-
2000	Cole Information	X	-	X	-
	Haines	X	X	X	-
	Haines & Company	X	-	X	-
1999	Haines & Company	-	-	-	-
1996	Pacific Bell	-	-	-	-
1995	Cole Information	X	-	X	-
	Pacific Bell	X	-	X	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1992	Cole Information	-	-	-	-
	PACIFIC BELL WHITE PAGES	-	-	-	-
1991	Pacific Telephone	-	-	-	-
1990	Pacific Bell	X	-	X	-
1986	Pacific Bell	-	-	-	-
1985	Pacific Bell	-	-	-	-
1981	Pacific Telephone	-	-	-	-
1980	Pacific Telephone	-	-	-	-
1976	R.L. Polk & Co Publishers	-	-	-	-
1975	Pacific Telephone	X	-	X	-
1972	R. L. Polk & Co.	-	-	-	-
1971	R. L. Polk & Co.	X	-	X	-
1970	Pacific Telephone	X	X	X	-
1969	R. L. Polk & Co.	-	-	-	-
1967	Pacific Telephone	X	-	X	-
1966	THE PACIFIC TELEPHONE AND TELEGRAPH COMPNAY	-	-	-	-
1965	GTE	-	-	-	-
1964	Pacific Telephone	-	X	X	-
1963	Pacific Telephone	-	-	-	-
1962	Pacific Telephone	-	-	-	-
1961	R. L. Polk & Co.	-	-	-	-
1960	Pacific Telephone	-	-	-	-
1958	Pacific Telephone	-	-	-	-
1957	Pacific Telephone	-	-	-	-
1956	Pacific Telephone	-	-	-	-
1955	The Pacific Telephone & Telegraph Co.	-	-	-	-
1954	R. L. Polk & Co.	-	-	-	-
1952	Los Angeles Directory Co.	-	-	-	-
1951	Los Angeles Directory Co.	-	-	-	-
1950	The Pacific Telephone & Telegraph Co.	-	-	-	-
1949	Los Angeles Directory Co.	-	-	-	-
1948	Los Angeles Directory Co.	-	-	-	-
1947	Los Angeles Directory Co.	-	-	-	-
1946	Southern California Telephone Co	-	-	-	-
1945	R. L. Polk & Co.	-	-	-	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1944	R. L. Polk & Co.	-	-	-	-
1942	Los Angeles Directory Co.	-	-	-	-
1940	Southern California Telephone Co.	-	-	-	-
1939	Los Angeles Directory Co.	-	-	-	-
1938	Pacific Telephone	-	-	-	-
1937	Los Angeles Directory Co.	-	-	-	-
1936	R. L. Polk & Co.	-	-	-	-
1935	R. L. Polk & Co.	-	-	-	-
1934	Los Angeles Directory Co.	-	-	-	-
1933	Los Angeles Directory Co.	-	-	-	-
1932	Los Angeles Directory Co.	-	-	-	-
1931	Los Angeles Directory Co.	-	-	-	-
1930	R. L. Polk & Co.	-	-	-	-
1929	Los Angeles Directory Co.	-	-	-	-
1928	Los Angeles Directory Co.	-	-	-	-
1927	Los Angeles Directory Co.	-	-	-	-
1926	Los Angeles Directory Co.	-	-	-	-
1925	R. L. Polk & Co.	-	-	-	-
1924	Los Angeles Directory Co.	-	-	-	-
1923	Los Angeles Directory Co.	-	-	-	-
1921	Los Angeles Directory Co.	-	-	-	-
1920	Pacific Telephone	-	-	-	-

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

23320 South Alameda Street
Long Beach, CA 90810

FINDINGS DETAIL

Target Property research detail.

ALAMEDA

23320 ALAMEDA

Year	*Uses*	*Source*
1990	FREDLOW	Pacific Bell

ALAMEDA ST

23320 ALAMEDA ST

Year	*Uses*	*Source*
1975	AIR PRODUCTS & CHEMICALS INC	Pacific Telephone
	District Ofc	Pacific Telephone
1971	AIR PRODUCTS & CHEMICAL CORP	Pacific Telephone
1970	AIR PRODUCTS & CHEMICAL CORP	Pacific Telephone
1967	Air Products & Chemicals Inc	Pacific Telephone

S ALAMEDA ST

23320 S ALAMEDA ST

Year	*Uses*	*Source*
2005	AIR PRODUCTS AND CHEMICALS	Cole Information
2000	AIR PRODUCTS HYDROGEN PLANT	Haines
1995	BUELOW, PAUL A	Cole Information

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

ALAMEDA ST

23208 ALAMEDA ST

Year	Uses	Source
1970	STAUFFER CHEMICAL COMPANY	Pacific Telephone
	STAUFFER CHEMICAL COMPANY PLANTS	Pacific Telephone
1964	STAUFFER CHEMICAL COMPANY	Pacific Telephone

23320 ALAMEDA ST

Year	Uses	Source
2000	AIR PRODUCTS HYDROGEN PLANT	Haines
	AIR PRODUCTS HYDROGEN PLANT	Haines
	AIR PRODUCTS HYDROGEN PLANT	Haines
1964	AIR PRODUCTS & CHEMICAL CORP	Pacific Telephone

S ALAMEDA ST

23300 S ALAMEDA ST

Year	Uses	Source
2020	AIR PRODUCTS & CHEMICALS INC	EDR Digital Archive

FINDINGS

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched	Address Not Identified in Research Source
23208 ALAMEDA ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
23208 ALAMEDA ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
23300 S ALAMEDA ST	2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
23320 ALAMEDA ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched	Address Not Identified in Research Source
23320 South Alameda Street	2020, 2017, 2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1972, 1969, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

Avocet Gen-Tie
23320 South Alameda Street
Long Beach, CA 90810

Inquiry Number: 7294079.3
March 29, 2023

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

03/29/23

Site Name:

Avocet Gen-Tie
23320 South Alameda Street
Long Beach, CA 90810
EDR Inquiry # 7294079.3

Client Name:

NV5
3777 Long Beach Blvd
Long Beach, CA 90807-0000
Contact: Eric Fraske

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Certified Sanborn Results:

Certification # 7A6A-4949-8422

PO # TNSK-23-11457 3

Project TNSK-23-11457 3

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

Sanborn® Library search results

Certification #: 7A6A-4949-8422

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- ✓ Library of Congress
- ✓ University Publications of America
- ✓ EDR Private Collection

The Sanborn Library LLC Since 1866™

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Avocet Gen-Tie
23320 South Alameda Street
Long Beach, CA 90810

Inquiry Number: 7294079.4
March 29, 2023

EDR Historical Topo Map Report

with QuadMatch™

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

03/29/23

Site Name:	Client Name:
Avocet Gen-Tie	NV5
23320 South Alameda Street	3777 Long Beach Blvd
Long Beach, CA 90810	Long Beach, CA 90807-0000
EDR Inquiry # 7294079.4	Contact: Eric Fraske

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by NV5 were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:		*Coordinates:*	
P.O.#	TNSK-23-11457 3	**Latitude:**	33.810846 33° 48' 39" North
Project:	TNSK-23-11457 3	**Longitude:**	-118.226926 -118° 13' 37" West
		UTM Zone:	Zone 11 North
		UTM X Meters:	386442.19
		UTM Y Meters:	3741859.91
		Elevation:	23.00' above sea level

Maps Provided:

2018	1943
2015	1942
2012	1930
1981	1902
1972	1899
1964	1896
1949	
1947	

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2018 Source Sheets



Long Beach
2018
7.5-minute, 24000



Torrance
2018
7.5-minute, 24000

2015 Source Sheets



Long Beach
2015
7.5-minute, 24000



Torrance
2015
7.5-minute, 24000

2012 Source Sheets

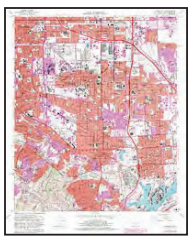


Long Beach
2012
7.5-minute, 24000



Torrance
2012
7.5-minute, 24000

1981 Source Sheets



Torrance
1981
7.5-minute, 24000
Aerial Photo Revised 1978



Long Beach
1981
7.5-minute, 24000
Aerial Photo Revised 1978

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1972 Source Sheets



Long Beach
1972
7.5-minute, 24000
Aerial Photo Revised 1972



Torrance
1972
7.5-minute, 24000
Aerial Photo Revised 1972

1964 Source Sheets



Long Beach
1964
7.5-minute, 24000
Aerial Photo Revised 1963



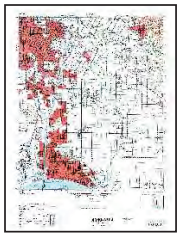
Torrance
1964
7.5-minute, 24000
Aerial Photo Revised 1963

1949 Source Sheets



Long Beach
1949
7.5-minute, 24000
Aerial Photo Revised 1947

1947 Source Sheets

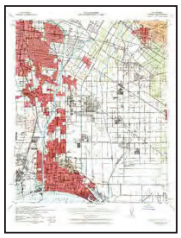


DOWNEY
1947
15-minute, 50000

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1943 Source Sheets



Downey
1943
15-minute, 62500
Aerial Photo Revised 1939

1942 Source Sheets



Downey
1942
15-minute, 62500

1930 Source Sheets



Compton
1930
7.5-minute, 24000

1902 Source Sheets



Downey
1902
15-minute, 62500

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1899 Source Sheets



Downey
1899
15-minute, 62500

1896 Source Sheets



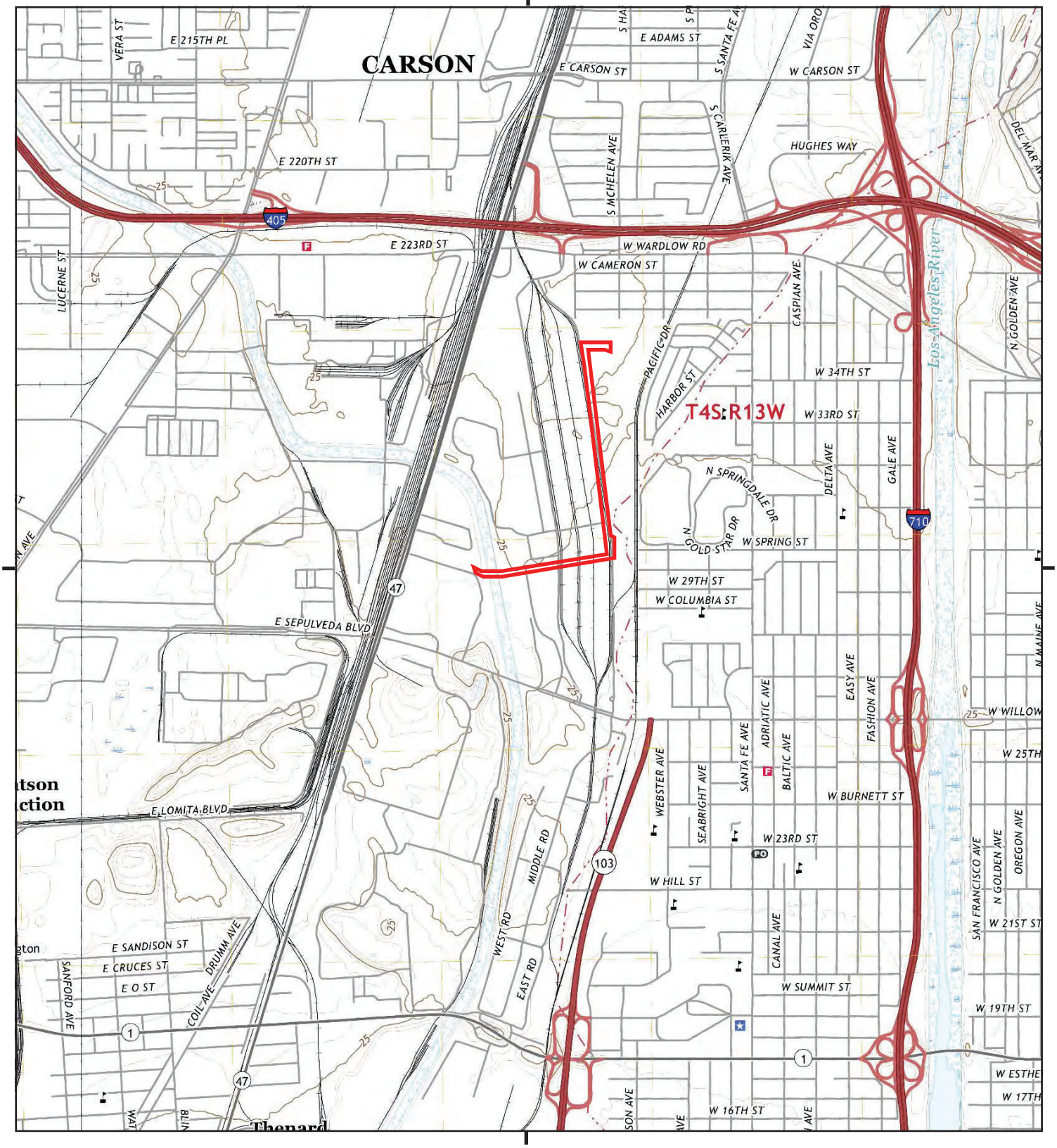
Downey
1896
15-minute, 62500



Redondo
1896
15-minute, 62500

Historical Topo Map

2018



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

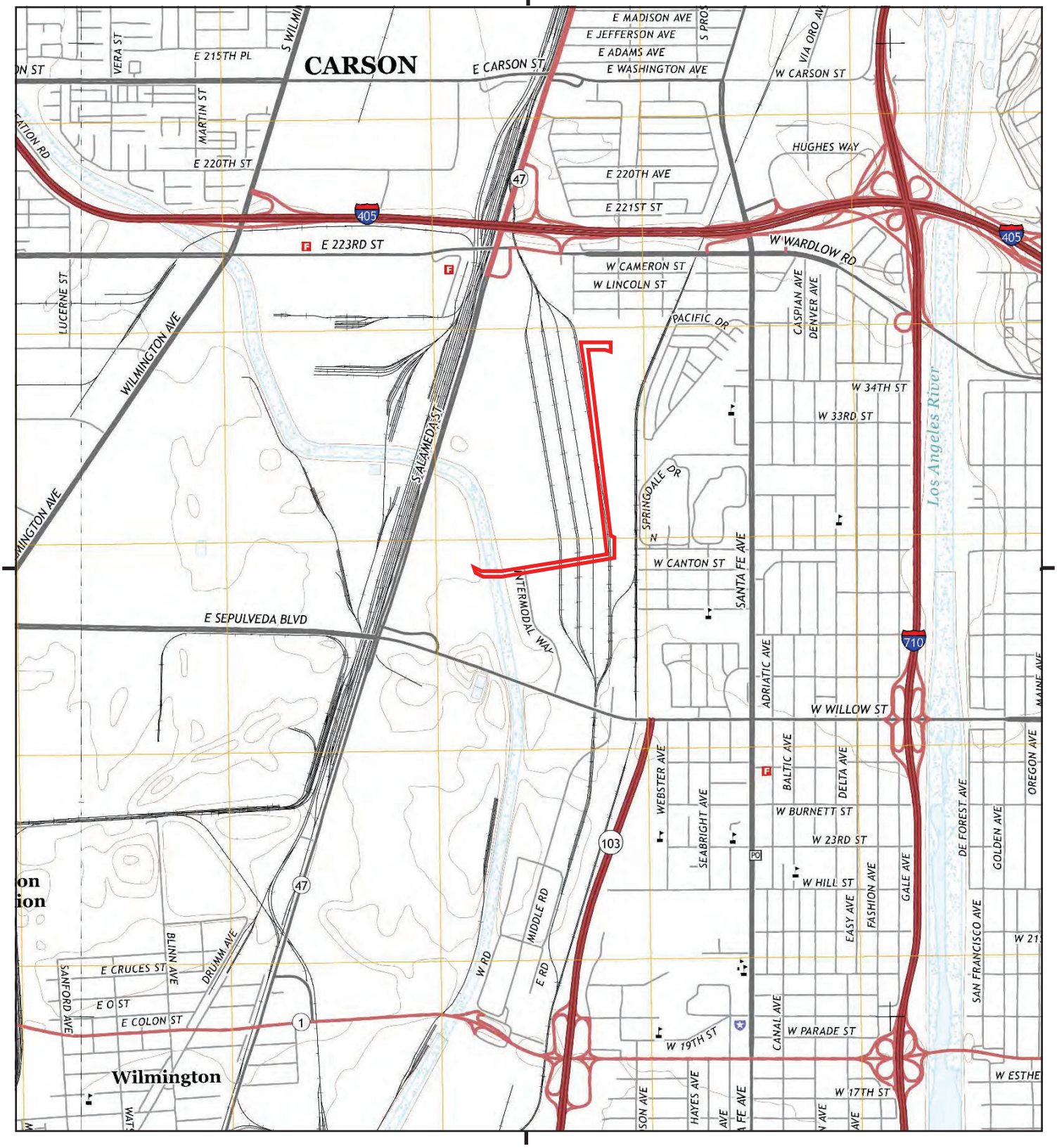
TP, Long Beach, 2018, 7.5-minute
W, Torrance, 2018, 7.5-minute

SITE NAME: Avocet Gen-Tie
ADDRESS: 23320 South Alameda Street
Long Beach, CA 90810
CLIENT: NV5

N

Historical Topo Map

2015



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

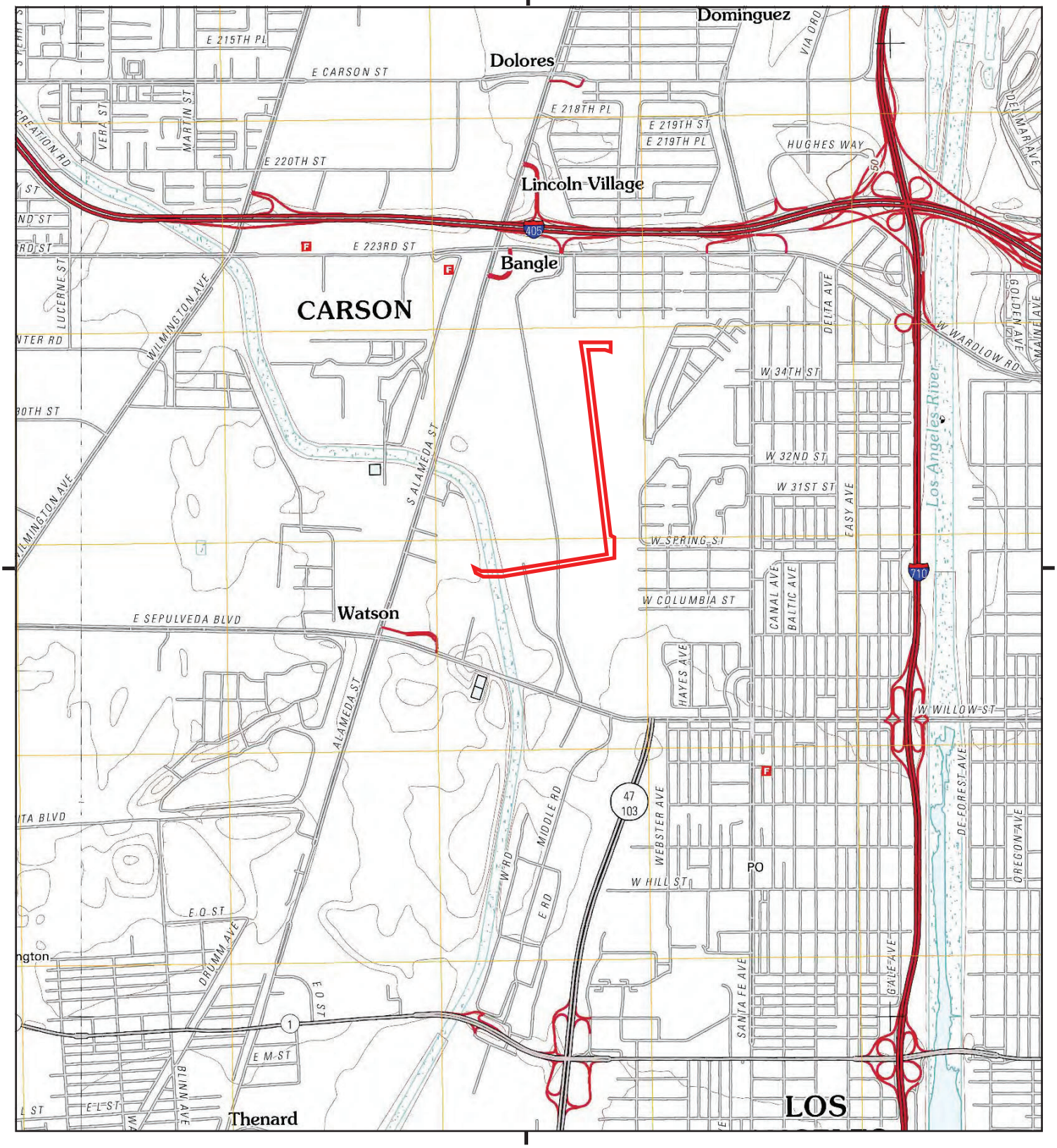
TP, Long Beach, 2015, 7.5-minute
W, Torrance, 2015, 7.5-minute

SITE NAME: Avocet Gen-Tie
ADDRESS: 23320 South Alameda Street
Long Beach, CA 90810
CLIENT: NV5

N

Historical Topo Map

2012



This report includes information from the following map sheet(s).

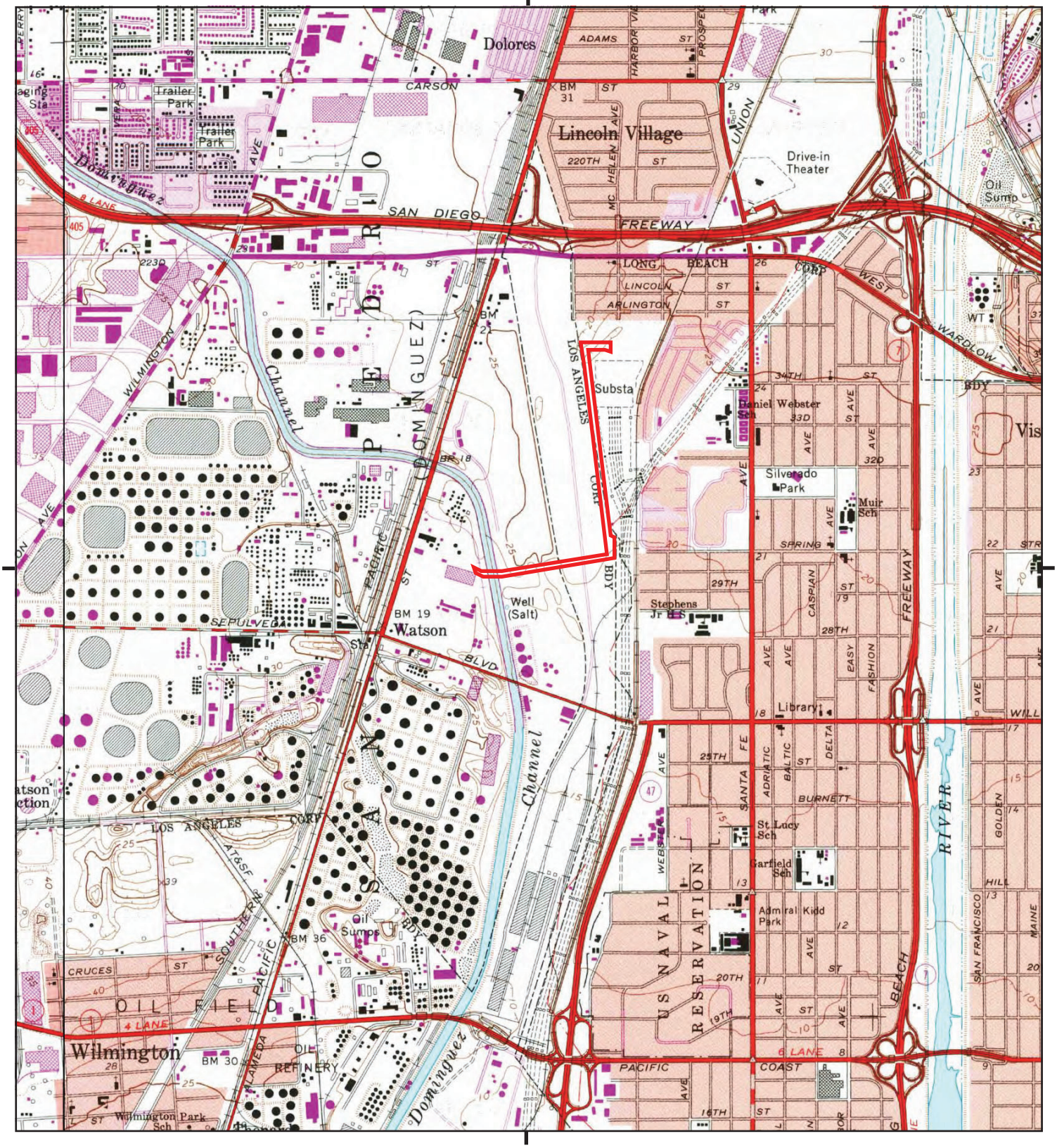
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Long Beach, 2012, 7.5-minute
W, Torrance, 2012, 7.5-minute

SITE NAME: Avocet Gen-Tie
ADDRESS: 23320 South Alameda Street
Long Beach, CA 90810
CLIENT: NV5

N



This report includes information from the following map sheet(s).

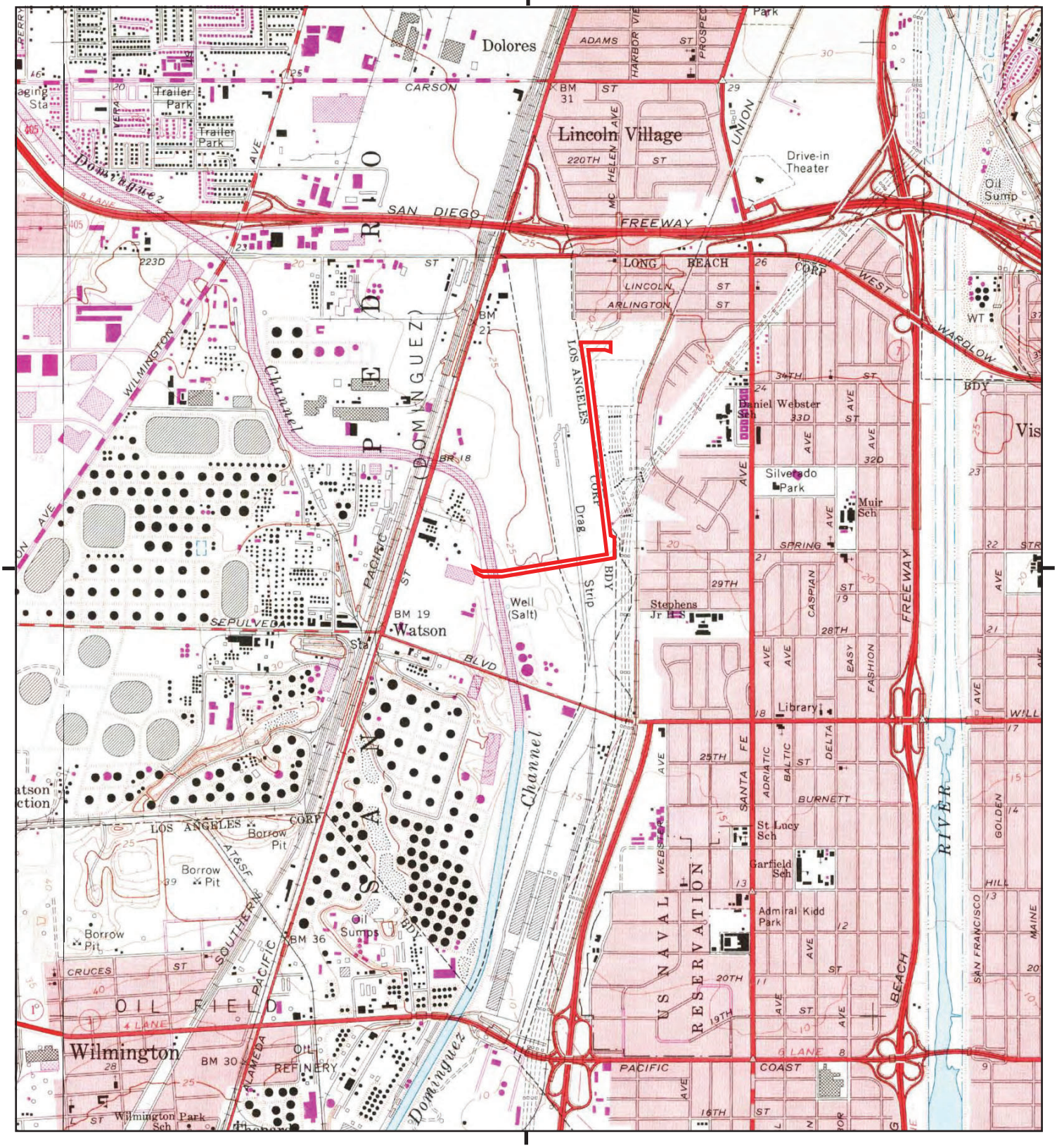
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Long Beach, 1981, 7.5-minute
W, Torrance, 1981, 7.5-minute

SITE NAME: Avocet Gen-Tie
ADDRESS: 23320 South Alameda Street
Long Beach, CA 90810
CLIENT: NV5

N



This report includes information from the following map sheet(s).

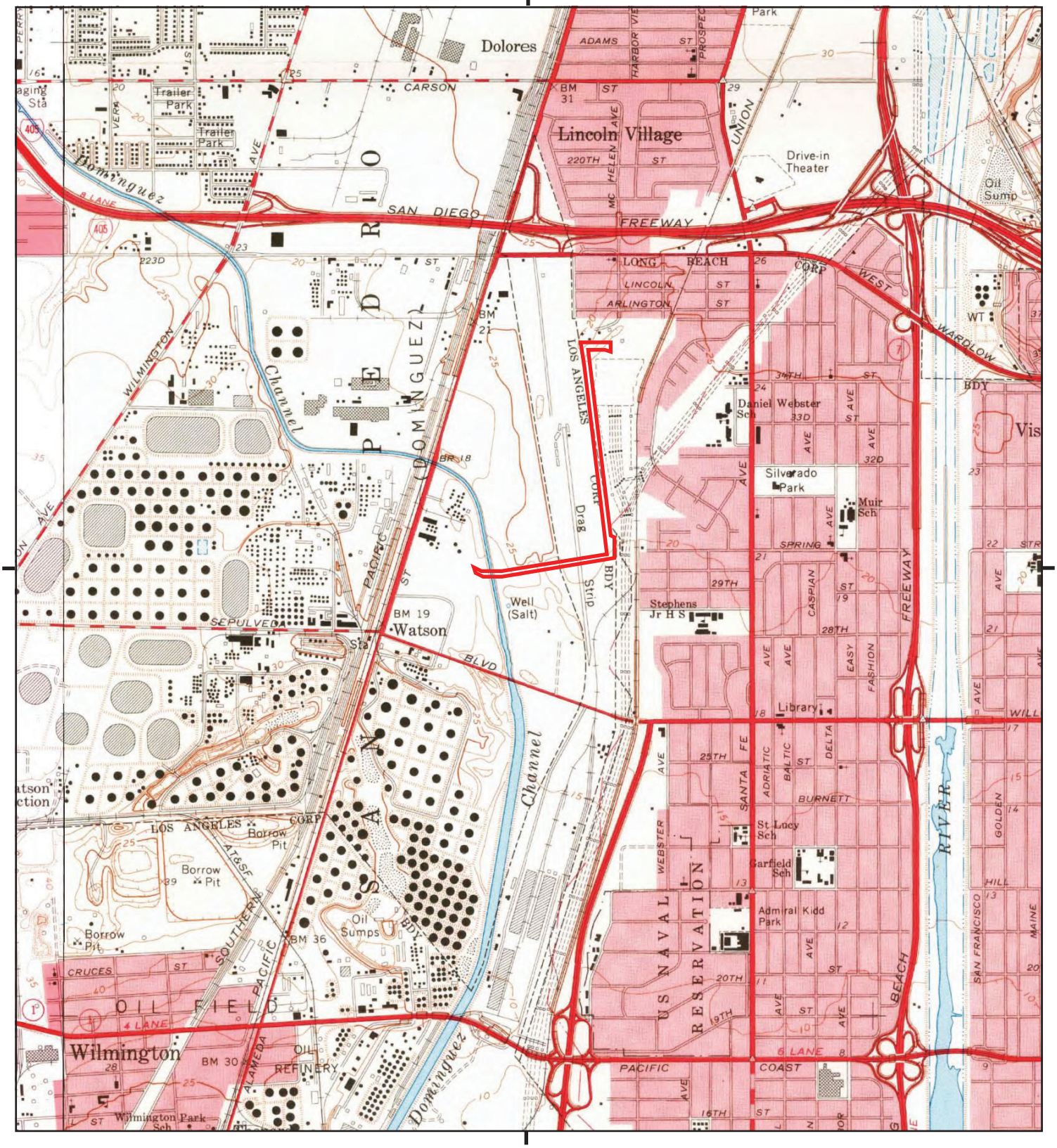
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Long Beach, 1972, 7.5-minute
W, Torrance, 1972, 7.5-minute

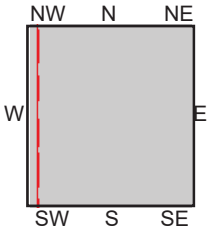
SITE NAME: Avocet Gen-Tie
ADDRESS: 23320 South Alameda Street
Long Beach, CA 90810
CLIENT: NV5

N



This report includes information from the following map sheet(s).

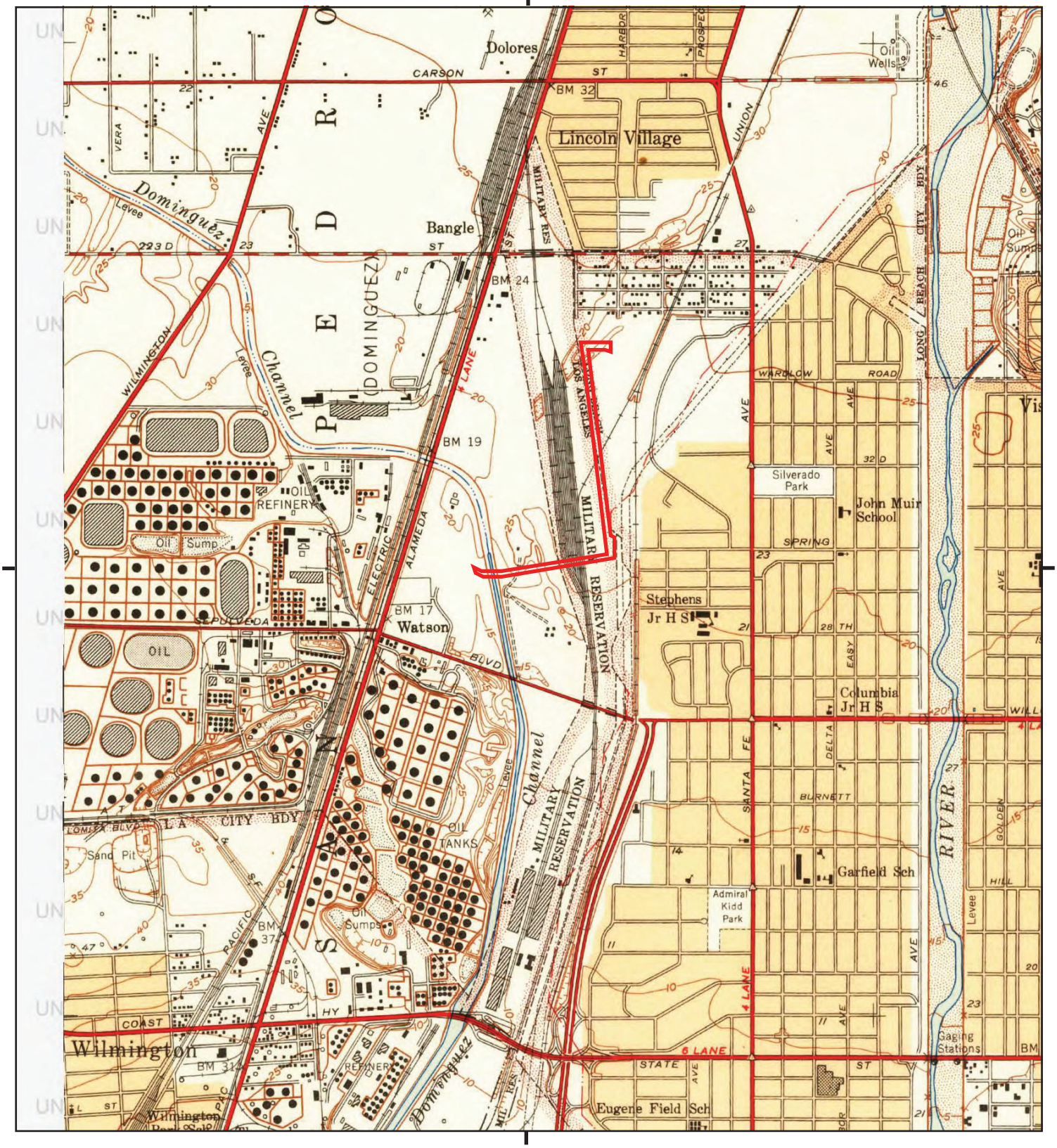
0 Miles 0.25 0.5 1 1.5



TP, Long Beach, 1964, 7.5-minute
W, Torrance, 1964, 7.5-minute

SITE NAME: Avocet Gen-Tie
ADDRESS: 23320 South Alameda Street
Long Beach, CA 90810
CLIENT: NV5

N



This report includes information from the following map sheet(s).

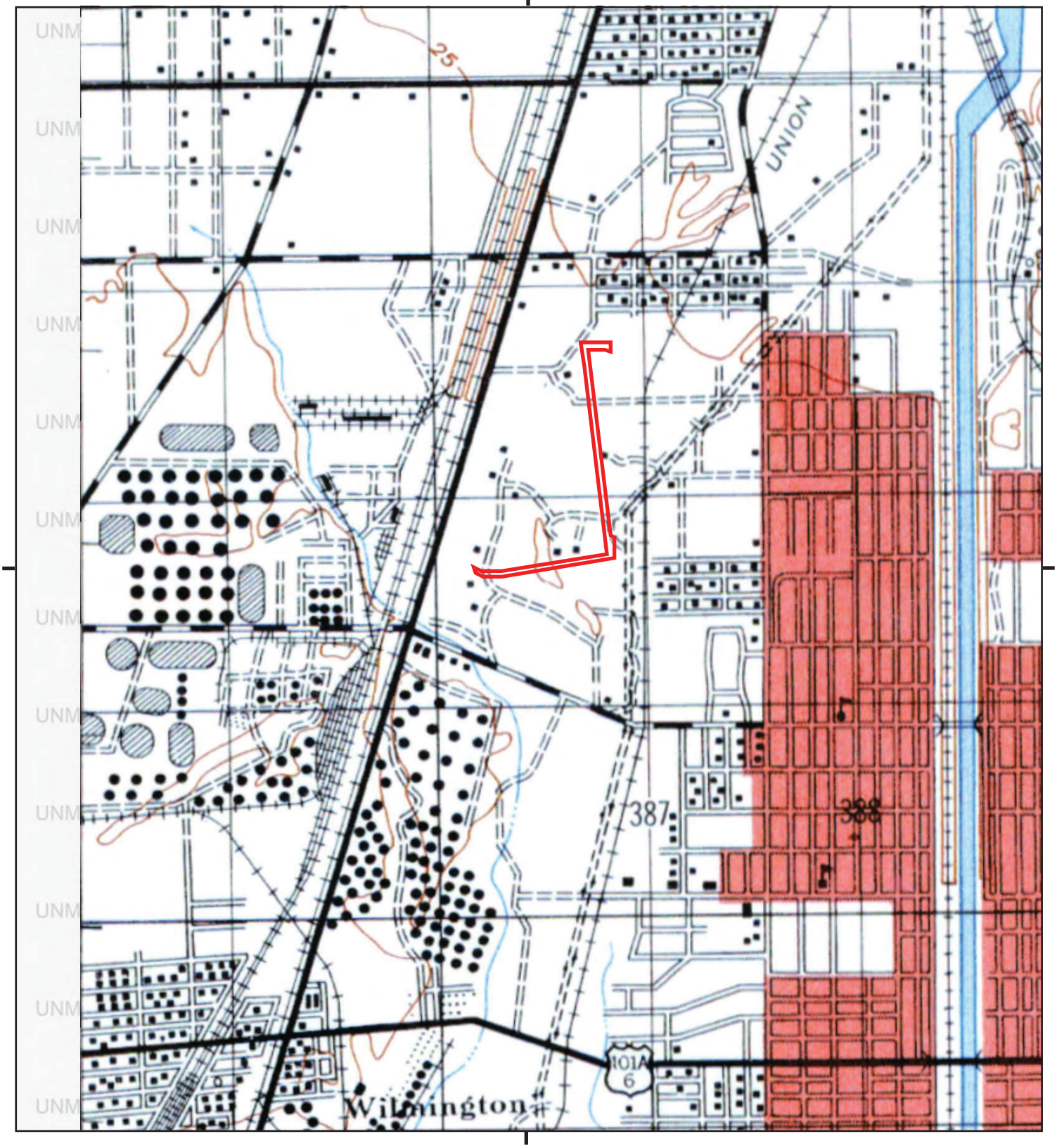
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Long Beach, 1949, 7.5-minute

SITE NAME: Avocet Gen-Tie
ADDRESS: 23320 South Alameda Street
Long Beach, CA 90810
CLIENT: NV5

N



This report includes information from the following map sheet(s).

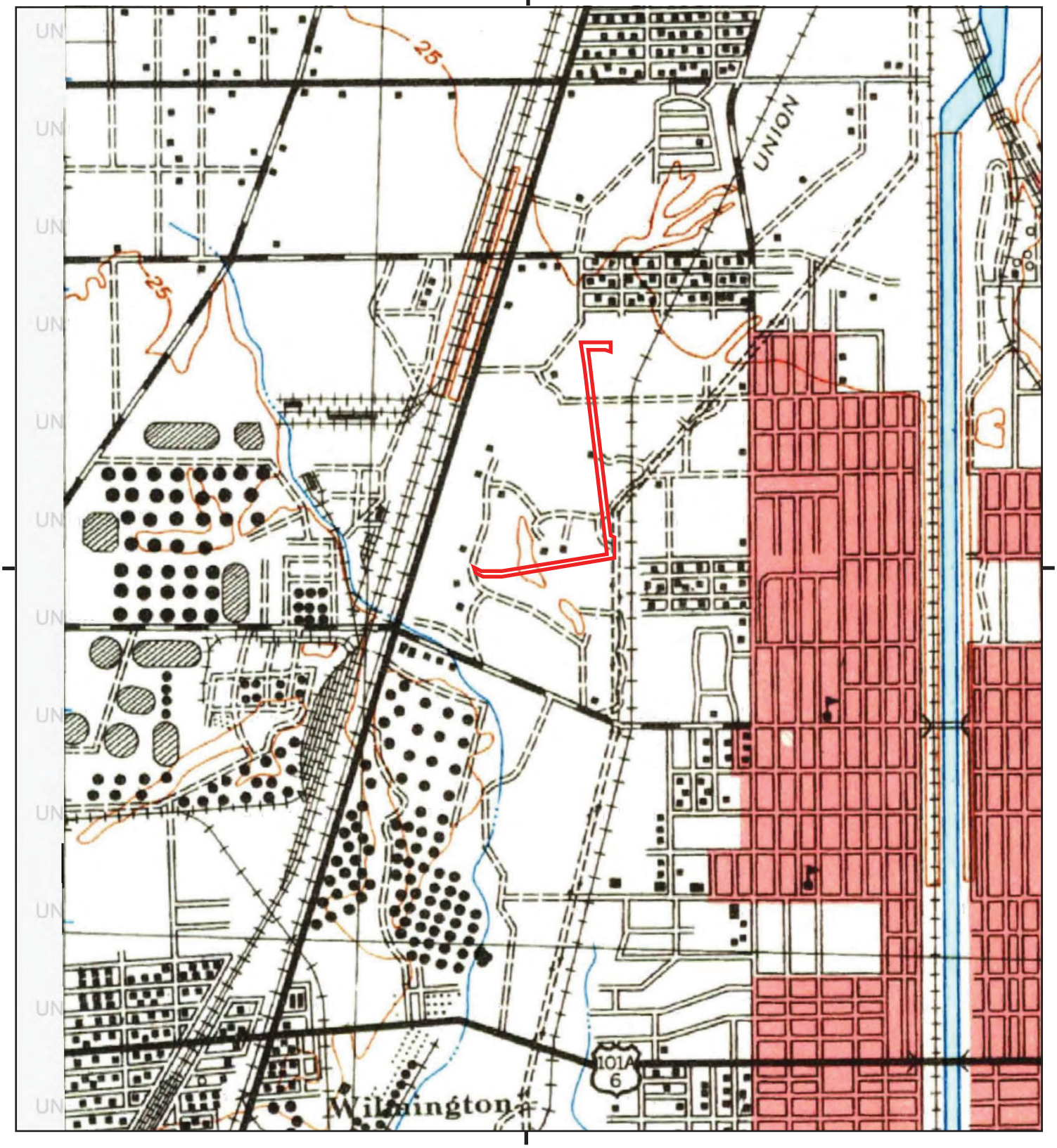
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, DOWNEY, 1947, 15-minute

SITE NAME: Avocet Gen-Tie
ADDRESS: 23320 South Alameda Street
Long Beach, CA 90810
CLIENT: NV5

N



This report includes information from the following map sheet(s).

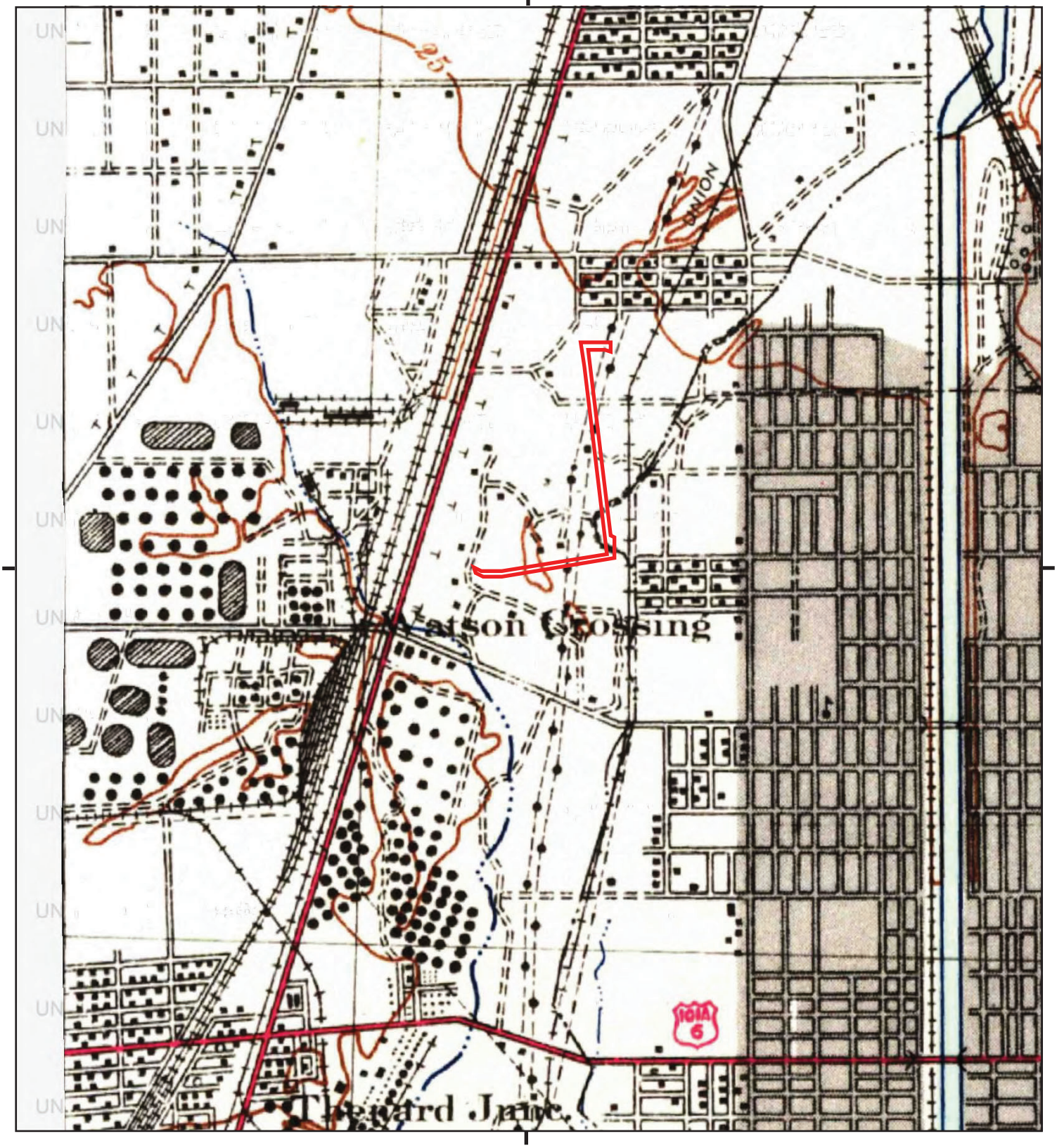
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Downey, 1943, 15-minute

SITE NAME: Avocet Gen-Tie
ADDRESS: 23320 South Alameda Street
Long Beach, CA 90810
CLIENT: NV5

N



This report includes information from the following map sheet(s).

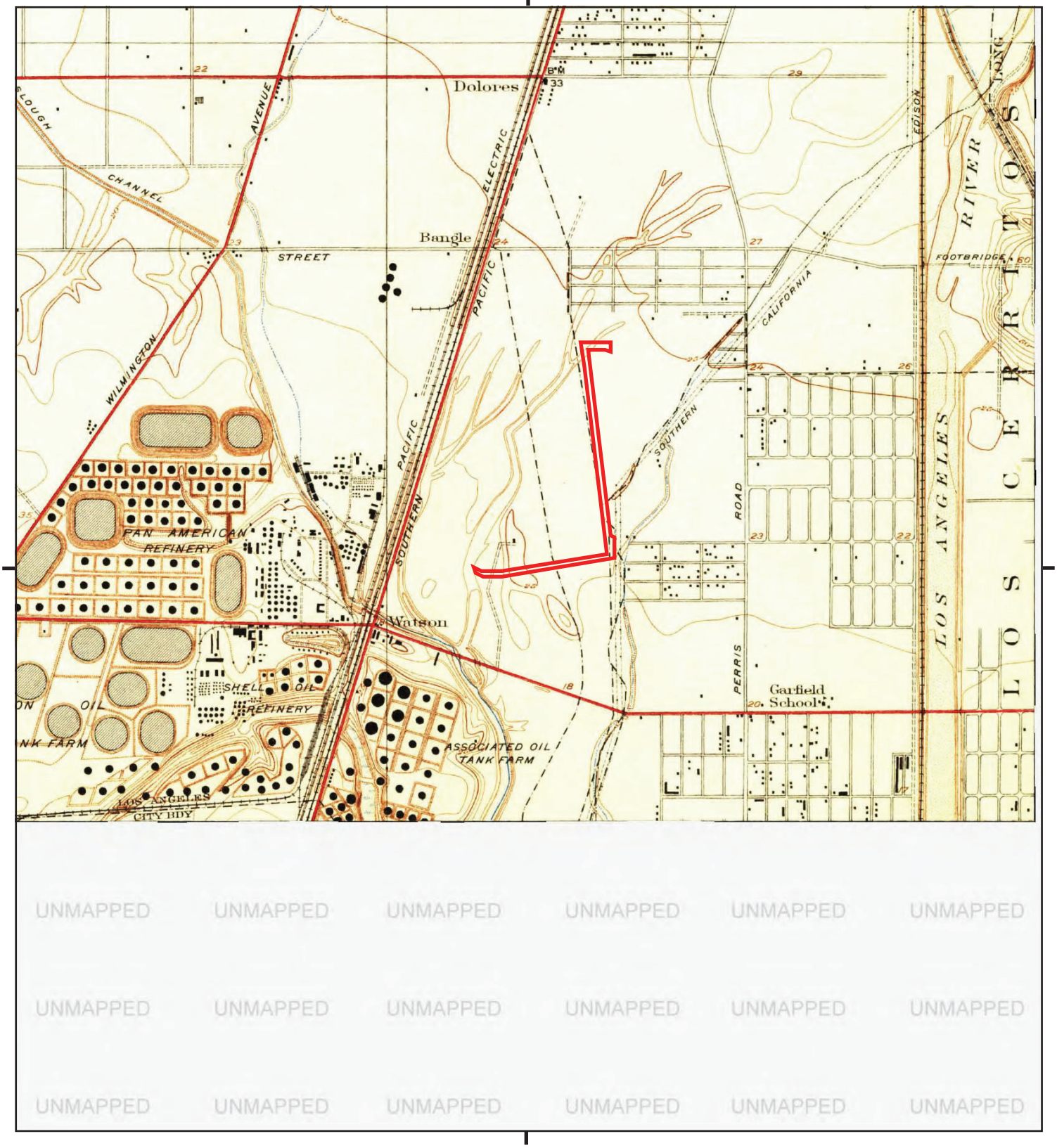
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Downey, 1942, 15-minute

SITE NAME: Avocet Gen-Tie
ADDRESS: 23320 South Alameda Street
Long Beach, CA 90810
CLIENT: NV5

N



This report includes information from the following map sheet(s).

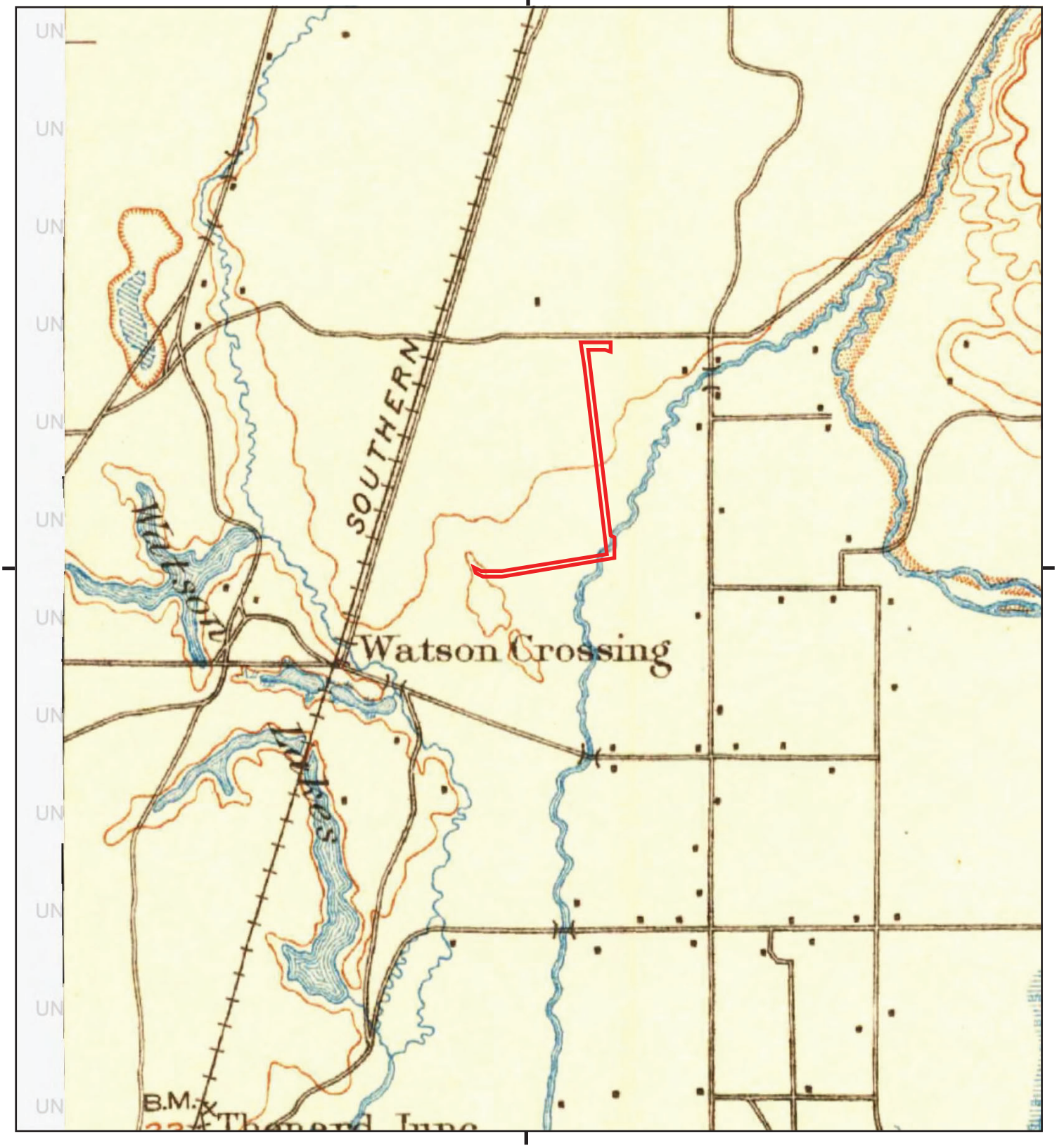
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Compton, 1930, 7.5-minute

SITE NAME: Avocet Gen-Tie
ADDRESS: 23320 South Alameda Street
Long Beach, CA 90810
CLIENT: NV5

N



This report includes information from the following map sheet(s).

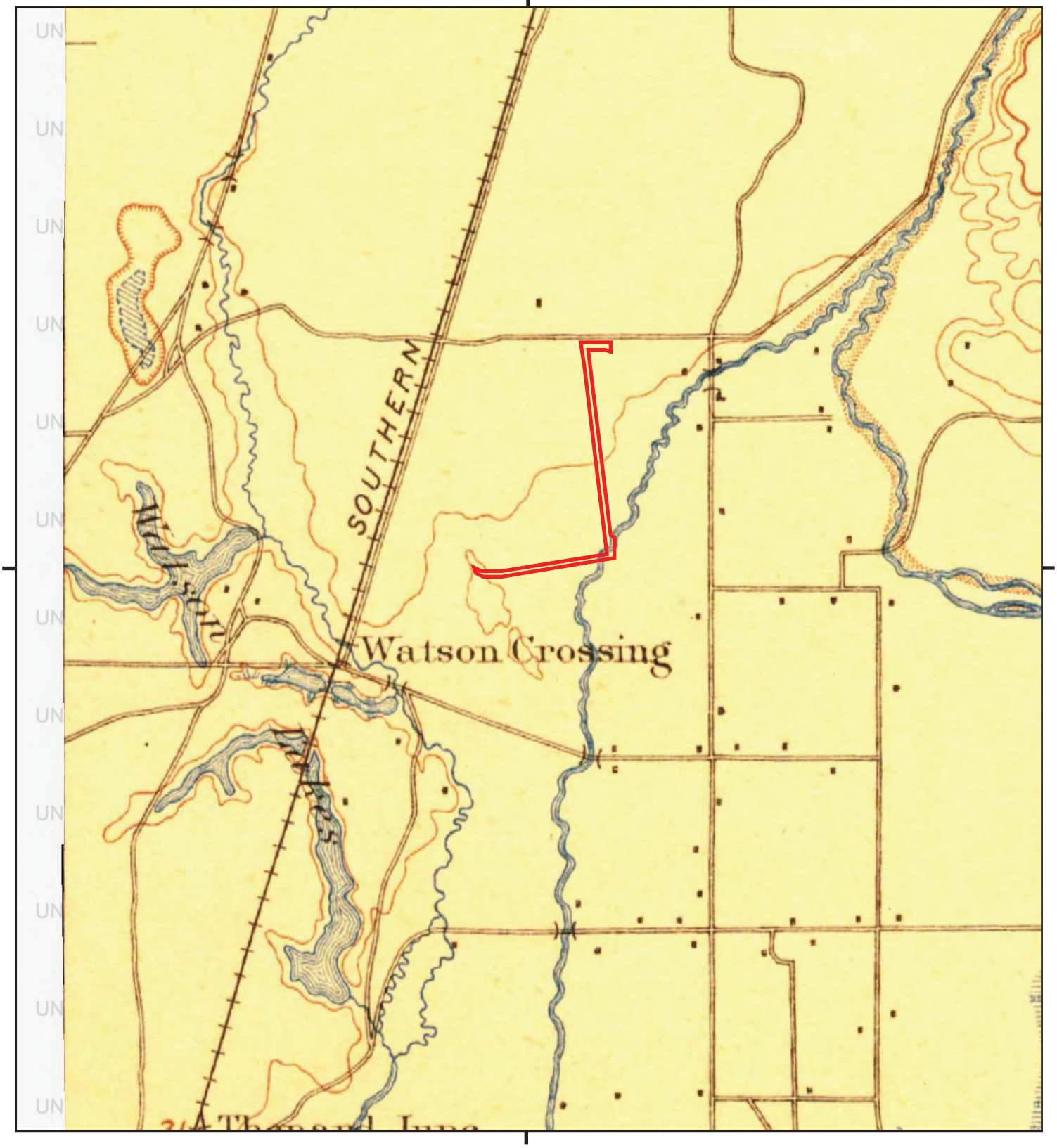
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Downey, 1902, 15-minute

SITE NAME: Avocet Gen-Tie
ADDRESS: 23320 South Alameda Street
Long Beach, CA 90810
CLIENT: NV5

N



This report includes information from the following map sheet(s).

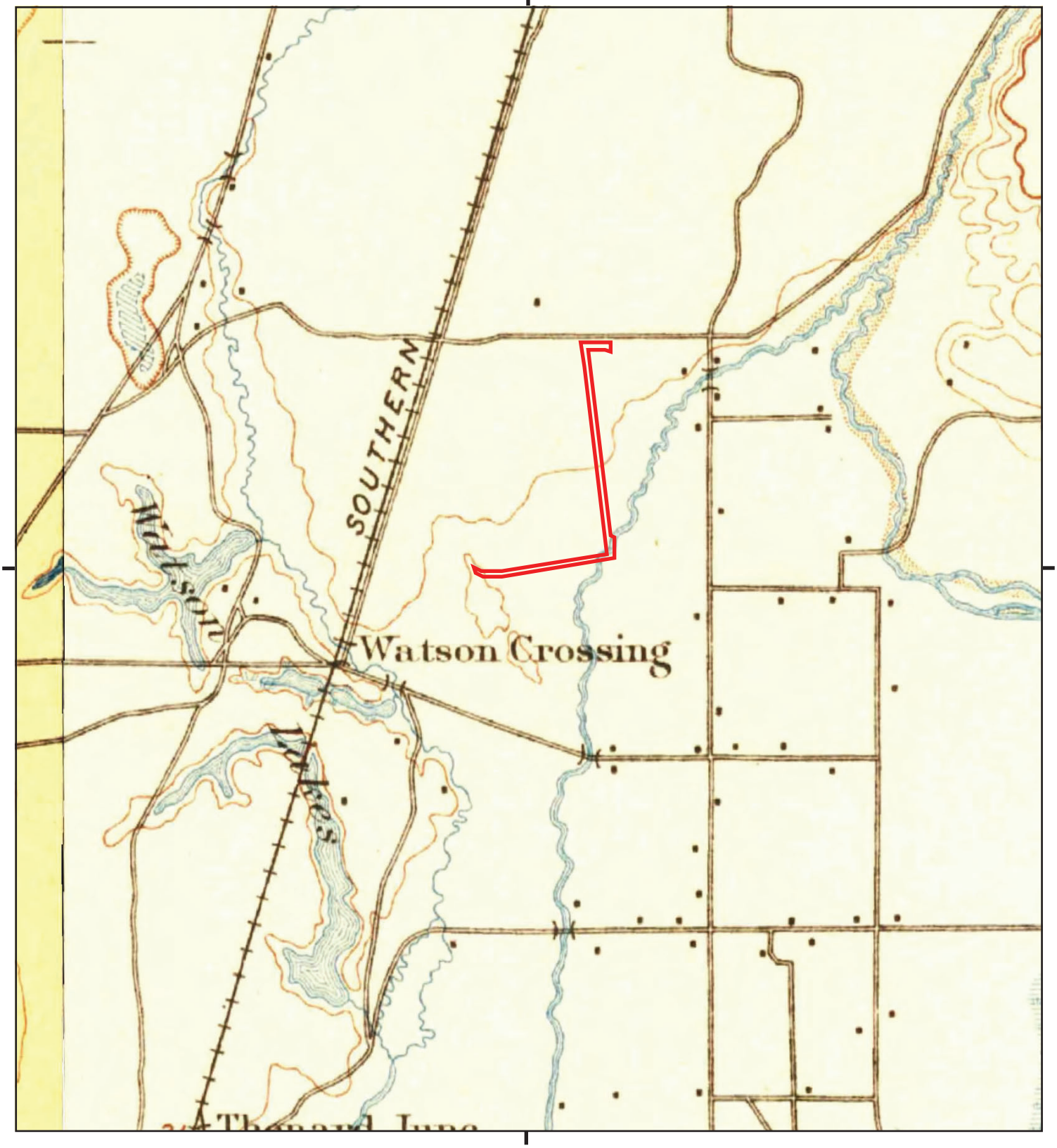
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Downey, 1899, 15-minute

SITE NAME: Avocet Gen-Tie
ADDRESS: 23320 South Alameda Street
Long Beach, CA 90810
CLIENT: NV5

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Downey, 1896, 15-minute
NW, Redondo, 1896, 15-minute

SITE NAME: Avocet Gen-Tie
ADDRESS: 23320 South Alameda Street
Long Beach, CA 90810
CLIENT: NV5

N

Appendix E

References

REFERENCES

American Society for Testing and Materials, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM Designation: E 1527-21.

Environmental Data Resources, Inc., Milford, Connecticut, The EDR Aerial Photo Decade Package, Inquiry No. 7294155.8, March 2023.

Environmental Data Resources, Inc., Milford, Connecticut, Certified Sanborn Map Report, Inquiry No. 7294155.3, March 2023.

Environmental Data Resources, Inc., Milford, Connecticut, The EDR Historical Topographic Map Report, Inquiry No. 7294155.4, March 2023.

Environmental Data Resources, Inc., Milford, Connecticut, The EDR Radius Map with Geocheck Report, Inquiry No. 7294155.2, March 2023.

Environmental Data Resources, Inc., Milford, Connecticut, The EDR City Directory Image Report, Inquiry No. 7294155.5, March 2023.

NV5. Phase I Environmental Site Assessment Report-23320 Alameda Street, Carson, California 90810. Prepared for Tenaska, Inc. September 30, 2021.

Appendix H

Noise Measurement Calculations

H-1 Construction Noise Analysis

Project: Avocet BESS

Construction Noise Impact on Sensitive Receptors

Parameters

Leq to L10 factor	3

				R1					Noise Level at 50 feet				
Construction Phase Equipment Type	**No. of Equip.**	**Reference Noise Level at 50ft, Lmax**	**Acoustical Usage Factor**	**Distance (ft)**	**Lmax**	**Leq**	**L10**	**Estimated Noise Shielding, dBA**	**Distance (ft)**	**Lmax**	**Leq**	**L11**	**Estimated Noise Shielding, dBA**
Site Preparation					***52***	***48***				***91***	***87***		
Grader	2	85	40%	350	51	47	50	20	50	88	84	87	0
Tractor/Loader/Backhoe	2	80	40%	2200	30	26	29	20	50	83	79	82	0
Tractor/Loader/Backhoe	2	80	40%	3400	26	22	25	20	50	83	79	82	0
Tractor/Loader/Backhoe	2	80	40%	350	46	42	45	20	50	83	79	82	0
Collector Substation Site Preparation					***51***	***47***				***89***	***85***		
Dozer	2	85	40%	350	51	47	50	20	50	88	84	87	0
Tractor/Loader/Backhoe	2	80	40%	2200	30	26	29	20	50	83	79	82	0
BESS Grading					***52***	***48***				***93***	***88***		
Grader	2	85	40%	350	51	47	50	20	50	88	84	87	0
Compactor (ground)	2	80	20%	2200	30	23	26	20	50	83	76	79	0
Roller	2	85	20%	3400	31	24	27	20	50	88	81	84	0
Front End Loader	2	80	40%	350	46	42	45	20	50	83	79	82	0
Tractor/Loader/Backhoe	2	80	40%	2200	30	26	29	20	50	83	79	82	0
Tractor/Loader/Backhoe	2	80	40%	3400	26	22	25	20	50	83	79	82	0
Collector Substation Grading					***51***	***44***				***92***	***87***		
Roller	2	85	20%	350	51	44	47	20	50	88	81	84	0
Dozer	2	85	40%	2200	35	31	34	20	50	88	84	87	0
Tractor/Loader/Backhoe	2	80	40%	3400	26	22	25	20	50	83	79	82	0
Battery/Container Installation & Collector Substation Construction/Installation					***56***	***51***				***98***	***93***		
Compressor (air)	2	80	40%	350	46	42	45	20	50	83	79	82	0
Man Lift	2	85	20%	2200	35	28	31	20	50	88	81	84	0
Auger Drill Rig	2	85	20%	3400	31	24	27	20	50	88	81	84	0
Crane	2	85	16%	350	51	43	46	20	50	88	80	83	0
Excavator	2	85	40%	2200	35	31	34	20	50	88	84	87	0
Generator	2	82	50%	3400	28	25	28	20	50	85	82	85	0
Gradall	2	85	40%	350	51	47	50	20	50	88	84	87	0
Dozer	2	85	40%	2200	35	31	34	20	50	88	84	87	0
Roller	2	85	20%	3400	31	24	27	20	50	88	81	84	0
Tractor/Loader/Backhoe	2	80	40%	350	46	42	45	20	50	83	79	82	0
Slurry Trenching Machine	2	82	50%	2200	32	29	32	20	50	85	82	85	0
Tractor/Loader/Backhoe	2	80	40%	3400	26	22	25	20	50	83	79	82	0
Compactor (ground)	2	80	20%	350	46	39	42	20	50	83	76	79	0
Gen-tie Trenching					***48***	***44***				***89***	***86***		
Pumps	2	77	50%	350	43	40	43	20	50	80	77	80	0
Tractor/Loader/Backhoe	2	80	40%	2200	30	26	29	20	50	83	79	82	0
Slurry Trenching Machine	2	82	50%	3400	28	25	28	20	50	85	82	85	0
Tractor/Loader/Backhoe	2	80	40%	350	46	42	45	20	50	83	79	82	0
Gen-Tie Duct Bank and Vault Installation					***52***	***46***				***93***	***87***		
Man Lift	2	85	20%	350	51	44	47	20	50	88	81	84	0
Crane	2	85	16%	2200	35	27	30	20	50	88	80	83	0
Generator	2	82	50%	3400	28	25	28	20	50	85	82	85	0
Tractor/Loader/Backhoe	2	80	40%	350	46	42	45	20	50	83	79	82	0
Tractor/Loader/Backhoe	2	80	40%	2200	30	26	29	20	50	83	79	82	0
Gen-Tie Jack-and-Bore					***49***	***46***				***89***	***85***		
Other Equipment	1	85	50%	350	48	45	48	20	50	85	82	85	0
Auger Drill Rig	1	85	20%	2200	32	25	28	20	50	85	78	81	0
Tractor/Loader/Backhoe	1	80	40%	3400	23	19	22	20	50	80	76	79	0
Tractor/Loader/Backhoe	1	80	40%	350	43	39	42	20	50	80	76	79	0
Welder	1	73	40%	2200	20	16	19	20	50	73	69	72	0
Gen-Tie Road Resurface and Clean Up					***49***	***46***				***89***	***85***		
Paver	1	85	50%	350	48	45	48	20	50	85	82	85	0
Roller	1	85	20%	2200	32	25	28	20	50	85	78	81	0
Tractor/Loader/Backhoe	1	80	40%	3400	23	19	22	20	50	80	76	79	0
Tractor/Loader/Backhoe	1	80	40%	350	43	39	42	20	50	80	76	79	0
Decommissioning					***57***	***50***				***95***	***89***		
Concrete Saw	2	90	20%	350	56	49	52	20	50	93	86	89	0
Crane	2	85	16%	2200	35	27	30	20	50	88	80	83	0
Dozer	2	85	40%	3400	31	27	30	20	50	88	84	87	0
Tractor/Loader/Backhoe	2	80	40%	350	46	42	45	20	50	83	79	82	0
Overlapping Phases													
Site Preparation & Collector Substation Site Preparation & BESS Grading & Collector Substation Grading						**53.4**					**92.9**		
Collector and Battery Installation & Gen-Tie Trenching & Gen-Tie Duct Bank Vault Installation						**52.8**					**94.4**		
Collector and Battery Installation & Gen-Tie Jack-and-Bore						**52.0**					**93.3**		
Maximum Combined Noise Levels						**53.4**					**94.4**		
Ambient Noise Level						**65**					**65**		
Significant Impact?						**No**					**Yes**		

Source for Ref. Noise Levels: LA CEQA Guides, 2006 & FHWA RCNM, 2005

ESA

Project: Avocet SCE

Construction Noise Impact on Sensitive Receptors

Parameters

Leq to L10 factor	3

				R1					Noise Level at 50 feet				
Construction Phase Equipment Type	**No. of Equip.**	**Reference Noise Level at 50ft, Lmax**	**Acoustical Usage Factor**	**Distance (ft)**	**Lmax**	**Leq**	**L10**	**Estimated Noise Shielding, dBA**	**Distance (ft)**	**Lmax**	**Leq**	**L11**	**Estimated Noise Shielding, dBA**
Civil Construction					***45***	***40***				***91***	***86***		
Forklift	1	75	10%	680	32	22	25	20	50	75	65	68	0
Forklift	1	75	10%	1130	28	18	21	20	50	75	65	68	0
Man Lift	1	85	20%	4200	27	20	23	20	50	85	78	81	0
Compactor (ground)	1	80	20%	680	37	30	33	20	50	80	73	76	0
Dump Truck	1	84	40%	1130	37	33	36	20	50	84	80	83	0
Generator	1	82	50%	4200	24	21	24	20	50	82	79	82	0
Excavator	1	85	40%	680	42	38	41	20	50	85	81	84	0
Front End Loader	1	80	40%	1130	33	29	32	20	50	80	76	79	0
Electrical Construction					***44***	***37***				***89***	***83***		
Forklift	1	75	10%	680	32	22	25	20	50	75	65	68	0
Forklift	1	75	10%	1130	28	18	21	20	50	75	65	68	0
Man Lift	1	85	20%	4200	27	20	23	20	50	85	78	81	0
Crane	1	85	16%	680	42	34	37	20	50	85	77	80	0
Generator	1	82	50%	1130	35	32	35	20	50	82	79	82	0
Electrical Construction					***45***	***40***				***91***	***86***		
Auger Drill Rig	1	85	20%	680	42	35	38	20	50	85	78	81	0
Forklift	1	75	10%	1130	28	18	21	20	50	75	65	68	0
Pumps	1	77	50%	4200	19	16	19	20	50	77	74	77	0
Front End Loader	1	80	40%	680	37	33	36	20	50	80	76	79	0
Dump Truck	2	84	40%	1130	40	36	39	20	50	87	83	86	0
Crane	1	85	16%	4200	27	19	22	20	50	85	77	80	0
Electrical Construction					***45***	***37***				***91***	***84***		
Crane	1	85	16%	680	42	34	37	20	50	85	77	80	0
Man Lift	2	85	20%	1130	41	34	37	20	50	88	81	84	0
Dump Truck	1	84	40%	4200	26	22	25	20	50	84	80	83	0
FO Cable Construction					***41***	***37***				***84***	***80***		
Dump Truck	1	84	40%	680	41	37	40	20	50	84	80	83	0
FO Cable Construction					***40***	***36***				***88***	***83***		
Tractor/Loader/Backhoe	1	80	40%	680	37	33	36	20	50	80	76	79	0
Dump Truck	1	84	40%	1130	37	33	36	20	50	84	80	83	0
Man Lift	1	85	20%	4200	27	20	23	20	50	85	78	81	0
Maximum Combined Noise Levels						**40.5**					**86.4**		
Ambient Noise Level						**65**					**65**		
Significant Impact?						**No**					**Yes**		

Source for Ref. Noise Levels: LA CEQA Guides, 2006 & FHWA RCNM, 2005

ESA

Table 1. CA/T equipment noise emissions and acoustical usage factors database.

CA/T Noise Emission Reference Levels and Usage Factors					
filename: EQUIPLST.xls					
revised: 7/26/05		Acoustical	Spec 721.560	Actual Measured	No. of Actual
	Impact	Use Factor	Lmax @ 50ft	Lmax @ 50ft	Data Samples
Equipment Description	Device ?	(%)	(dBA, slow)	(dBA, slow)	(Count)
				(samples averaged)	
Other Equipment	No	50%	85	-- N/A --	0
Auger Drill Rig	No	20%	85	84	36
Tractor/Loader/Backhoe	No	40%	80	78	372
Bar Bender	No	20%	80	-- N/A --	0
Blasting	Yes	#VALUE!	94	-- N/A --	0
Boring Jack Power Unit	No	50%	80	83	1
Chain Saw	No	20%	85	84	46
Clam Shovel (dropping)	Yes	20%	93	87	4
Compactor (ground)	No	20%	80	83	57
Compressor (air)	No	40%	80	78	18
Concrete Batch Plant	No	15%	83	-- N/A --	0
Concrete Mixer Truck	No	40%	85	79	40
Concrete Pump Truck	No	20%	82	81	30
Concrete Saw	No	20%	90	90	55
Crane	No	16%	85	81	405
Dozer	No	40%	85	82	55
Drill Rig Truck	No	20%	84	79	22
Drum Mixer	No	50%	80	80	1
Dump Truck	No	40%	84	76	31
Excavator	No	40%	85	81	170
Flat Bed Truck	No	40%	84	74	4
Forklift	No	10%	75		
Front End Loader	No	40%	80	79	96
Generator	No	50%	82	81	19
Generator (<25KVA, VMS signs)	No	50%	70	73	74
Gradall	No	40%	85	83	70
Grader	No	40%	85	-- N/A --	0
Grapple (on backhoe)	No	40%	85	87	1
Horizontal Boring Hydr. Jack	No	25%	80	82	6
Hydra Break Ram	Yes	10%	90	-- N/A --	0
Impact Pile Driver	Yes	20%	95	101	11
Jackhammer	Yes	20%	85	89	133
Man Lift	No	20%	85	75	23
Mounted Impact Hammer (hoe ram)	Yes	20%	90	90	212
Pavement Scarafier	No	20%	85	90	2
Paver	No	50%	85	77	9
Pickup Truck	No	40%	55	75	1
Pneumatic Tools	No	50%	85	85	90
Pumps	No	50%	77	81	17
Refrigerator Unit	No	100%	82	73	3
Rivit Buster/chipping gun	Yes	20%	85	79	19
Rock Drill	No	20%	85	81	3
Roller	No	20%	85	80	16
Sand Blasting (Single Nozzle)	No	20%	85	96	9
Scraper	No	40%	85	84	12
Shears (on backhoe)	No	40%	85	96	5
Slurry Plant	No	100%	78	78	1
Slurry Trenching Machine	No	50%	82	80	75
Soil Mix Drill Rig	No	50%	80	-- N/A --	0
Tractor	No	40%	84	-- N/A --	0
Vacuum Excavator (Vac-truck)	No	40%	85	85	149
Vacuum Street Sweeper	No	10%	80	82	19
Ventilation Fan	No	100%	85	79	13
Vibrating Hopper	No	50%	85	87	1
Vibratory Concrete Mixer	No	20%	80	80	1
Vibratory Pile Driver	No	20%	95	101	44
Warning Horn	No	5%	85	83	12
Welder	No	40%	73	74	5

Appendix I

AB 52 Tribal Consultation Materials (Public)

McKina Alexander

From: McKina Alexander
Sent: Friday, August 4, 2023 5:49 PM
To: admin@gabrielenoindians.org
Subject: Gabrieleno Band of Mission Indians - Kizh Nation; Notification of the Proposed Avocet BESS 23320 Alameda St., Pursuant to Assembly Bill (AB) 52
Attachments: Avocet Project Description_6.9.23.pdf

Dear Chairperson Andrew Salas/Gabrieleno Band of Mission Indians - Kizh Nation:

Pursuant to California Assembly Bill (AB) 52, the City of Carson (City) is providing you with notification of the proposed Avocet Battery Energy Storage System (BESS) project located in the City of Carson, Los Angeles County, California. An IS/MND will be prepared for this project. Attached is the project description which also contains a vicinity map and project site location.

Project Location and Description
The project site is at 23320 Alameda St., APN Assessor's Parcel Number (APN) 7315-020-022 which consists of approximately 6.96 acres in the City of Carson, California (see Figure 1, Project Vicinity). The project site is in the eastern portion of the City, east of South Alameda Street and north of East Sepulveda Boulevard (see Figure 1 and Figure 2, Project Site). The project is located approximately 0.95 miles south of Interstate 405.

The project site is currently developed as an aggregate recycling center and is surrounded by other mixed industrial uses. The SCE Hinson Substation or point of interconnection is located approximately 0.62 miles to the northeast in the City of Long Beach. Two gen-tie route options are being considered and are further described in section 1.6 of the attached project description. Each of the two gen-tie route options will cross three jurisdictions including: the City of Carson, the City of Los Angeles, and the City of Long Beach. The project will provide a service to the regional electric grid by receiving energy (charging) from the SCE electric transmission system, storing energy on site, and then later delivering energy (discharging) back to the point of interconnection.

Zone/General Plan Designation and Entitlement Applications
The General Plan land use designation for the Project site is Heavy Industrial, and the current zoning is Manufacturing, Heavy – Design Overlay. Entitlement applications for Design Overlay Review and Conditional Use Permit are being processed for this project.

If you have any comments or concerns regarding potential impacts to tribal cultural resources in relation to the project, please provide a written request for consultation to the address below or via email to malexander@carsonca.gov within 30 days of receipt of this notice and include the name of a designated lead contact person.

Kind Regards, M

McKina Alexander | she|her
Senior Planner
City of Carson | Planning Division
701 East Carson Street, Carson, CA 90745
Office: 310-952-1761 ext. 1326
City of Carson Website

McKina Alexander

From: McKina Alexander
Sent: Friday, August 4, 2023 5:45 PM
To: christinaswindall@yahoo.com
Subject: Notification of the Proposed Avocet BESS 23320 Alameda St., Pursuant to Assembly Bill (AB) 52
Attachments: Avocet Project Description_6.9.23.pdf

Dear Christina Swindall Martinez:

Pursuant to California Assembly Bill (AB) 52, the City of Carson (City) is providing you with notification of the proposed Avocet Battery Energy Storage System (BESS) project located in the City of Carson, Los Angeles County, California. An IS/MND will be prepared for this project. Attached is the project description which also contains a vicinity map and project site location.

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Kind Regards, M

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701 East Carson Street, Carson, CA 90745
Office: 310-952-1761 ext. 1326
City of Carson Website

City Hall Hours: Monday – Thursday, 7:00 a.m. – 6:00 p.m., Closed Friday

McKina Alexander

From: McKina Alexander
Sent: Friday, August 4, 2023 6:09 PM
To: jvaldez@soboba-nsn.gov
Subject: Soboba Band of Luiseno Indians; Notification of the Proposed Avocet BESS 23320 Alameda St., Pursuant to Assembly Bill (AB) 52
Attachments: Avocet Project Description_6.9.23.pdf

Dear Jessica Valdez, Cultural Resource Specialist/ Soboba Band of Luiseno Indians:

Pursuant to California Assembly Bill (AB) 52, the City of Carson (City) is providing you with notification of the proposed Avocet Battery Energy Storage System (BESS) project located in the City of Carson, Los Angeles County, California. An IS/MND will be prepared for this project. Attached is the project description which also contains a vicinity map and project site location.

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Kind Regards, M

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City of Carson Website

City Hall Hours: Monday – Thursday, 7:00 a.m. – 6:00 p.m., Closed Friday

McKina Alexander

From: McKina Alexander
Sent: Friday, August 4, 2023 5:52 PM
To: GTTribalcouncil@aol.com
Subject: Gabrieleno/Tongva San Gabriel Band of Mission Indians; Notification of the Proposed Avocet BESS 23320 Alameda St., Pursuant to Assembly Bill (AB) 52
Attachments: Avocet Project Description_6.9.23.pdf

Dear Chairperson Anthony Morales/Gabrieleno/Tongva San Gabriel Band of Mission Indians:

Pursuant to California Assembly Bill (AB) 52, the City of Carson (City) is providing you with notification of the proposed Avocet Battery Energy Storage System (BESS) project located in the City of Carson, Los Angeles County, California. An IS/MND will be prepared for this project. Attached is the project description which also contains a vicinity map and project site location.

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Kind Regards, M

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City of Carson Website

City Hall Hours: Monday – Thursday, 7:00 a.m. – 6:00 p.m., Closed Friday

McKina Alexander

From: McKina Alexander
Sent: Friday, August 4, 2023 5:57 PM
To: gtongva@gmail.com
Subject: Gabrielino Tongva Indians of California Tribal Council; Notification of the Proposed Avocet BESS 23320 Alameda St., Pursuant to Assembly Bill (AB) 52
Attachments: Avocet Project Description_6.9.23.pdf

Dear Chairperson Robert Dorame/Gabrielino Tongva Indians of California Tribal Council:

Pursuant to California Assembly Bill (AB) 52, the City of Carson (City) is providing you with notification of the proposed Avocet Battery Energy Storage System (BESS) project located in the City of Carson, Los Angeles County, California. An IS/MND will be prepared for this project. Attached is the project description which also contains a vicinity map and project site location.

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Kind Regards, M

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City of Carson | Planning Division
701 East Carson Street, Carson, CA 90745
Office: 310-952-1761 ext. 1326
City of Carson Website

McKina Alexander

From: McKina Alexander
Sent: Friday, August 4, 2023 5:54 PM
To: sgoad@gabrielino-tongva.com
Subject: Gabrielino /Tongva Nation; Notification of the Proposed Avocet BESS 23320 Alameda St., Pursuant to Assembly Bill (AB) 52
Attachments: Avocet Project Description_6.9.23.pdf

Dear Chairperson Sandonne Goad/Gabrielino /Tongva Nation:

Pursuant to California Assembly Bill (AB) 52, the City of Carson (City) is providing you with notification of the proposed Avocet Battery Energy Storage System (BESS) project located in the City of Carson, Los Angeles County, California. An IS/MND will be prepared for this project. Attached is the project description which also contains a vicinity map and project site location.

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Kind Regards, M

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City of Carson | Planning Division
701 East Carson Street, Carson, CA 90745
Office: 310-952-1761 ext. 1326
City of Carson Website

McKina Alexander

From: McKina Alexander
Sent: Friday, August 4, 2023 6:06 PM
To: lsaul@santarosa-nsn.gov
Subject: Santa Rosa Band of Cahuilla Indians; Notification of the Proposed Avocet BESS 23320 Alameda St., Pursuant to Assembly Bill (AB) 52
Attachments: Avocet Project Description_6.9.23.pdf

Dear Tribal Chair Lovina Redner/ Santa Rosa Band of Cahuilla Indians:

Pursuant to California Assembly Bill (AB) 52, the City of Carson (City) is providing you with notification of the proposed Avocet Battery Energy Storage System (BESS) project located in the City of Carson, Los Angeles County, California. An IS/MND will be prepared for this project. Attached is the project description which also contains a vicinity map and project site location.

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Senior Planner
City of Carson | Planning Division
701 East Carson Street, Carson, CA 90745
Office: 310-952-1761 ext. 1326
City of Carson Website

McKina Alexander

From: McKina Alexander
Sent: Friday, August 4, 2023 6:10 PM
To: jontiveros@soboba-nsn.gov
Subject: Soboba Band of Luiseno Indians; Notification of the Proposed Avocet BESS 23320 Alameda St., Pursuant to Assembly Bill (AB) 52
Attachments: Avocet Project Description_6.9.23.pdf

Dear Joseph Ontiveros, Tribal Historic Preservation Officer/ Soboba Band of Luiseno Indians:

Pursuant to California Assembly Bill (AB) 52, the City of Carson (City) is providing you with notification of the proposed Avocet Battery Energy Storage System (BESS) project located in the City of Carson, Los Angeles County, California. An IS/MND will be prepared for this project. Attached is the project description which also contains a vicinity map and project site location.

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Kind Regards, M

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Office: 310-952-1761 ext. 1326
City of Carson Website

City Hall Hours: Monday – Thursday, 7:00 a.m. – 6:00 p.m., Closed Friday

McKina Alexander

From: McKina Alexander
Sent: Friday, August 4, 2023 6:09 PM
To: jvaldez@soboba-nsn.gov
Subject: Soboba Band of Luiseno Indians; Notification of the Proposed Avocet BESS 23320 Alameda St., Pursuant to Assembly Bill (AB) 52
Attachments: Avocet Project Description_6.9.23.pdf

Dear Jessica Valdez, Cultural Resource Specialist/ Soboba Band of Luiseno Indians:

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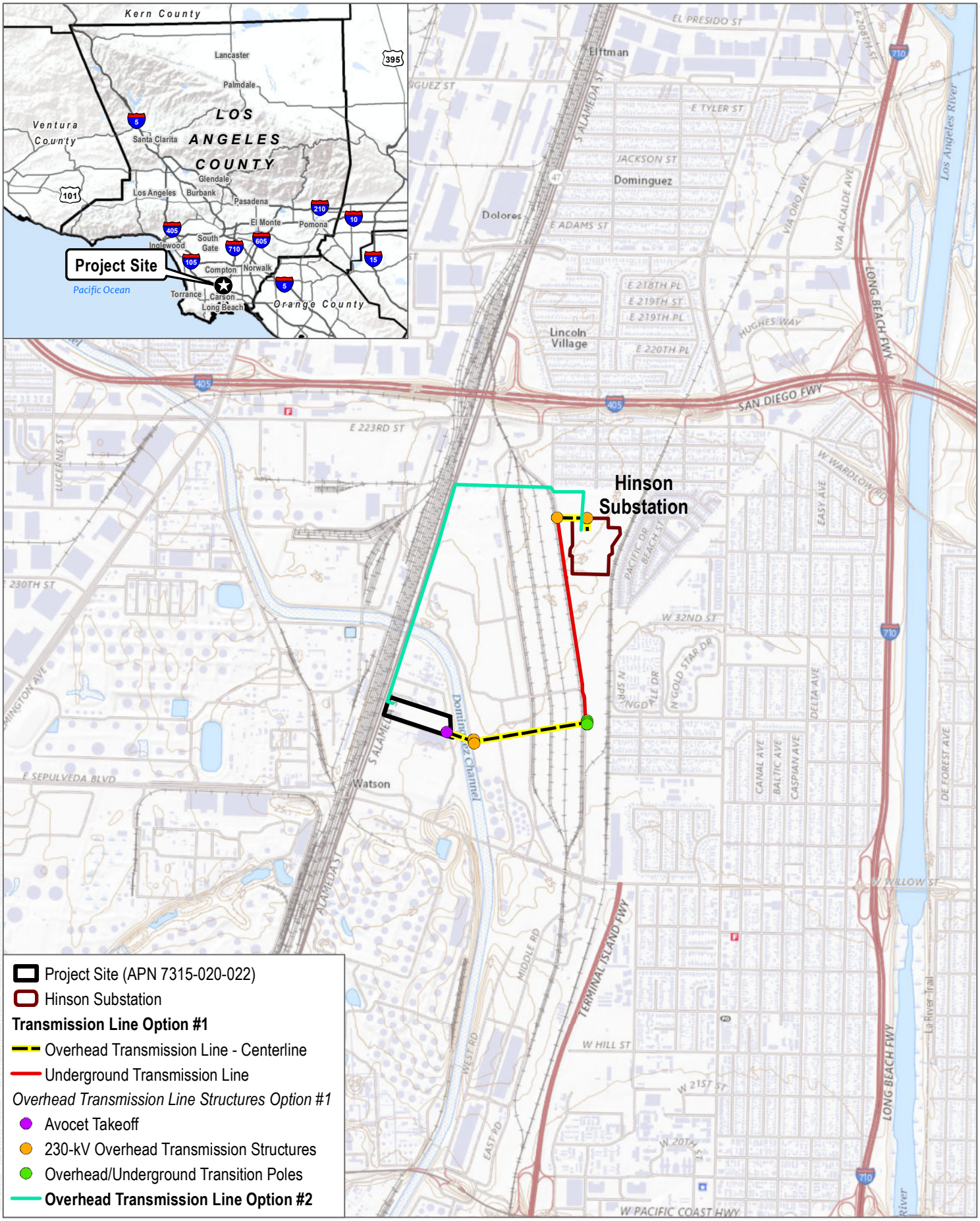
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SOURCE: USGS 7.5-Minute Series Long Beach Quadrangle

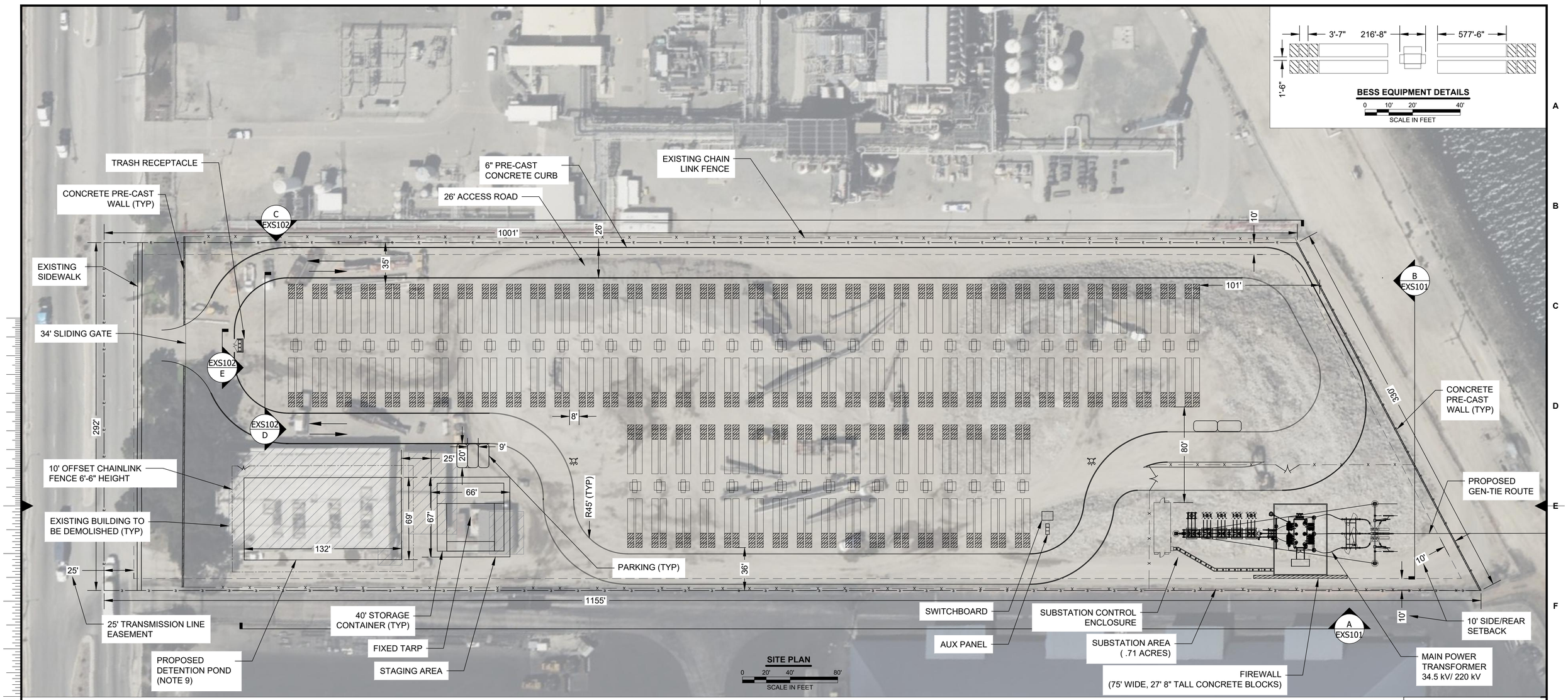
DUDEK

0 1,000 2,000 Feet

FIGURE 1-1

Project Vicinity

Avocet Energy Storage Project



ENERGY STORAGE SYSTEM DESCRIPTION	
NAMEPLATE	200 MW

REQUIRED	PROPOSED
5 PARKING SPACES	5
7 LOADING AREAS	ALL AROUND ROAD ACCESS

AREA	ACREAGE (SQ FT)
PARCEL	314,858
BUILDABLE	303,178
LANDSCAPE	14,092
LANDSCAPE COVERAGE RATIO (LANDSCAPING / PARCEL)	4.48%

ABBREVIATION LIST:

POI - POINT OF INTERCONNECTION
BESS - BATTERY ENERGY STORAGE SYSTEM

LEGEND:

- PROPERTY LINE
- EXISTING CHAIN LINK FENCE
- EXISTING WROUGHT IRON FENCE
- 6' CHAIN LINK FENCE
- 8' - 6" PRE-CAST CONCRETE WALL
- ROAD
- GATE
- FIRE HYDRANT

NOTES:

1. FINAL LAYOUT SUBJECT TO CHANGE BASED ON FINAL ENVIRONMENTAL, CIVIL SETBACK DISTANCES, AND AUTHORITY HAVING JURISDICTION REQUIREMENTS.
2. EQUIPMENT QUANTITIES, CONFIGURATION, AND FOOTPRINT SUBJECT TO CHANGE BASED ON FINAL BESS TECHNOLOGY SELECTION, AND ADDITIONAL PROJECT DUE DILIGENCE.
3. CONSTRUCTION LAYDOWN, PARKING, TRAILERS, OPERATION AND MAINTENANCE BUILDINGS, ETC. NOT INCLUDED OR CONSIDERED IN DEVELOPMENT OF EQUIPMENT ARRANGEMENT SHOWN.
4. CIVIL GRADING NOT CONSIDERED IN LAYOUT DEVELOPMENT.
5. SITE PLAN SHALL MEET ALL ENGINEERING & NPDES REQUIREMENTS.
6. ALL GATES ON SITE TO BE EQUIPPED WITH FIRE DEPARTMENT APPROVED LOCKING DEVICE.
7. APPROXIMATELY 11,600 SF OF EXISTING BUILDING TO BE DEMOLISHED.
8. APN: 7315-020-022
9. MANUALLY OPERATED VALVE SHALL BE USED TO DEWATER DETENTION POND OUTLET.
10. DETENTION POND SIZING USED FOR BOTH STORM WATER RUNOFF OR FIRE WATER RUNOFF.

TRUE NORTH — PLAN NORTH 17.1625° — NORTH

PRELIMINARY - NOT FOR CONSTRUCTION

no.	date	by	ckd	description
E	05/26/23	EDV	ACR	ISSUED FOR REVIEW
D	4/21/23	SVL	ACR	ISSUED FOR REVIEW
C	3/15/23	JHP	ACR	ISSUED FOR REVIEW
B	3/9/23	SVL	ACR	ISSUED FOR REVIEW
A	2/24/23	SVL	ACR	ISSUED FOR REVIEW
F	06/01/23	EDV	ACR	ISSUED FOR REVIEW

BURNS McDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114
816-333-9400
Burns & McDonnell Engineering Co, Inc.

designed S. LE | detailed S. LE

TENASKA®

LOS ANGELES COUNTY, CALIFORNIA

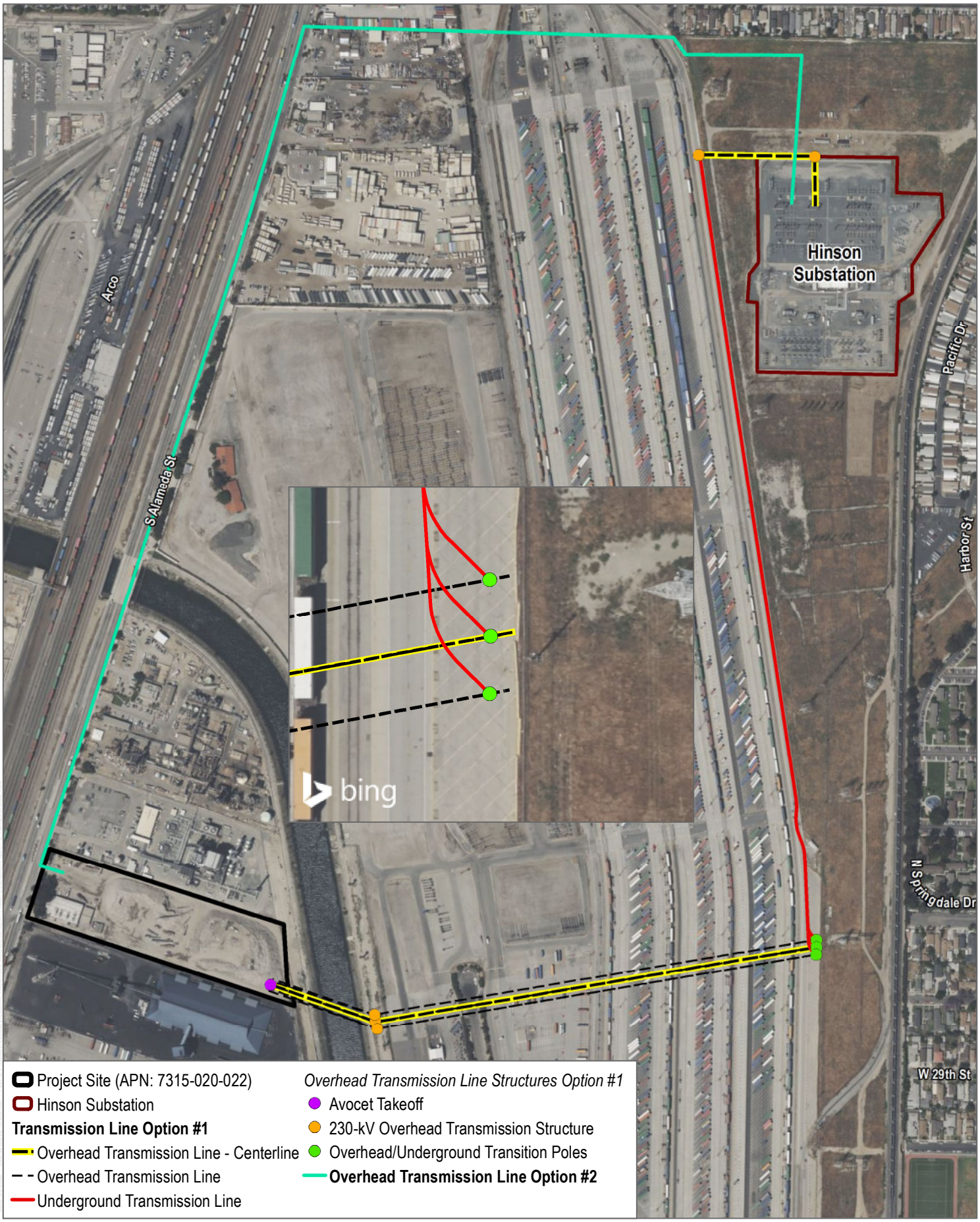
AVOCET ENERGY STORAGE, LLC
BESS SITE LAYOUT
SITE PLAN

project | contract

drawing **SK101** rev. **E**

sheet 1 of 1 sheets

file Avocet_Layout.dwg



SOURCE: Bing Maps 2020; Open Street Map 2019

DUDEK

0 260 520 Feet

FIGURE 1-3

Transmission Line Routes

Avocet Energy Storage Project

McKina Alexander

From: McKina Alexander
Sent: Monday, August 14, 2023 5:46 PM
To: Joseph Ontiveros
Subject: RE: Soboba Band of Luiseno Indians; Notification of the Proposed Avocet BESS 23320 Alameda St., Pursuant to Assembly Bill (AB) 52

Hello Mr. Ontiveros,

Thank you for responding. Please note that we emailed Chairman Morales using the email provided by NAHC on the same day we contacted you.

Consult period with you is closed today based on your response shown below.

Sincerely, M

McKina Alexander | she|her
Senior Planner
City of Carson | Planning Division
701 East Carson Street, Carson, CA 90745
Office: 310-952-1761 ext. 1326
City of Carson Website

City Hall Hours: Monday – Thursday, 7:00 a.m. – 6:00 p.m., Closed Friday
Planning Staff is available at planning@carsonca.gov during normal business hours

---

From: Joseph Ontiveros <jontiveros@soboba-nsn.gov>
Sent: Monday, August 14, 2023 4:07 PM
To: McKina Alexander <MAlexander@carsonca.gov>
Subject: RE: Soboba Band of Luiseno Indians; Notification of the Proposed Avocet BESS 23320 Alameda St., Pursuant to Assembly Bill (AB) 52

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Greetings,

Thank you for reaching out regarding the aforementioned project. After review, it is our request to defer the project to Mr. Anthony Morales, Chairman of the San Gabriel Band of Mission Indians. The contact information we have on file is, cell phone: 626-483-3564 and (626) 209-7642, as well as email addresses: GTTribalcouncil@aol.com and moralesadrian66@yahoo.com. I hope that what I have provided is helpful.

Thank you,

JOSEPH ONTIVEROS
TRIBAL HISTORIC PRESERVATION OFFICER
(951) 654-5544 Ext. 4137
(951) 663-5279 Cell
jontiveros@soboba-nsn.gov

CULTURAL RESOURCE
23906 Soboba Rd. San Jacinto, CA 92583
P.O. Box 487 San Jacinto, CA 92581
www.soboba-nsn.gov

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From: McKina Alexander <MAlexander@carsonca.gov>
Sent: Friday, August 4, 2023 6:10 PM
To: Joseph Ontiveros <jontiveros@soboba-nsn.gov>
Subject: Soboba Band of Luiseno Indians; Notification of the Proposed Avocet BESS 23320 Alameda St., Pursuant to Assembly Bill (AB) 52

Dear Joseph Ontiveros, Tribal Historic Preservation Officer/ Soboba Band of Luiseno Indians:

Pursuant to California Assembly Bill (AB) 52, the City of Carson (City) is providing you with notification of the proposed Avocet Battery Energy Storage System (BESS) project located in the City of Carson, Los Angeles County, California. An IS/MND will be prepared for this project. Attached is the project description which also contains a vicinity map and project site location.

Project Location and Description
The project site is at 23320 Alameda St., APN Assessor's Parcel Number (APN) 7315-020-022 which consists of approximately 6.96 acres in the City of Carson, California (see Figure 1, Project Vicinity). The project site is in the eastern portion of the City, east of South Alameda Street and north of East Sepulveda Boulevard (see Figure 1 and Figure 2, Project Site). The project is located approximately 0.95 miles south of Interstate 405.

The project site is currently developed as an aggregate recycling center and is surrounded by other mixed industrial uses. The SCE Hinson Substation or point of interconnection is located approximately 0.62 miles to the northeast in the City of Long Beach. Two gen-tie route options are being considered and are further described in section 1.6 of the attached project description. Each of the two gen-tie route options will cross three jurisdictions including: the City of Carson, the City of Los Angeles, and the City of Long Beach. The project will provide a service to the regional electric grid by receiving energy (charging) from the SCE electric transmission system, storing energy on site, and then later delivering energy (discharging) back to the point of interconnection.

Zone/General Plan Designation and Entitlement Applications
The General Plan land use designation for the Project site is Heavy Industrial, and the current zoning is Manufacturing, Heavy – Design Overlay. Entitlement applications for Design Overlay Review and Conditional Use Permit are being processed for this project.

If you have any comments or concerns regarding potential impacts to tribal cultural resources in relation to the project, please provide a written request for consultation to the address below or via email to malexander@carsonca.gov within 30 days of receipt of this notice and include the name of a designated lead contact person.

Kind Regards, M

McKina Alexander

From: McKina Alexander
Sent: Monday, August 14, 2023 5:46 PM
To: Joseph Ontiveros
Subject: RE: Soboba Band of Luiseno Indians; Notification of the Proposed Avocet BESS 23320 Alameda St., Pursuant to Assembly Bill (AB) 52

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Sincerely, M

McKina Alexander | she|her
Senior Planner
City of Carson | Planning Division
701 East Carson Street, Carson, CA 90745
Office: 310-952-1761 ext. 1326
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Thank you,

From:	McKina Alexander
To:	Claudia Watts
Cc:	Aaron Whiting
Subject:	FW: Gabrieleno Band of Mission Indians - Kizh Nation; Notification of the Proposed Avocet BESS 23320 Alameda St., Pursuant to Assembly Bill (AB) 52
Date:	Thursday, August 31, 2023 11:06:06 AM
Attachments:	~WRD0002.jpg image001.png

Fyi

From: McKina Alexander
Sent: Thursday, August 31, 2023 10:45 AM
To: Gabrieleno Administration <admin@gabrielenoindians.org>
Cc: Aaron Whiting <awhiting@carsonca.gov>
Subject: RE: Gabrieleno Band of Mission Indians - Kizh Nation; Notification of the Proposed Avocet BESS 23320 Alameda St., Pursuant to Assembly Bill (AB) 52

Hello Brandy Salas,

Your consultation request was received and note that this project's consultation is subject to AB 52 not SB 18. I return to the office on September 11th and please be so kind as to send a few dates that Chair Salas is available for consultation.

Contact me if you have any questions.

Kind Regards, M

McKina Alexander | she|her
Senior Planner
City of Carson | Planning Division
701 East Carson Street, Carson, CA 90745
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City of Carson Website

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brand protection, security awareness training, web security, compliance and other essential capabilities. Mimecast helps protect large and small organizations from malicious activity, human error and technology failure; and to lead the movement toward building a more resilient world. To find out more, visit our website.

From: Gabrieleno Administration <admin@gabrielenoindians.org>
Sent: Tuesday, August 29, 2023 4:03 PM
To: McKina Alexander <MAlexander@carsonca.gov>
Subject: Re: Gabrieleno Band of Mission Indians - Kizh Nation; Notification of the Proposed Avocet BESS 23320 Alameda St., Pursuant to Assembly Bill (AB) 52

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hello McKina

Please see the attachment down below.

Thank you

Brandy Salas
Admin Specialist
Gabrieleno Band of Mission Indians - Kizh Nation
PO Box 393
Covina, CA 91723
Office: 844-390-0787
website: www.gabrielenoindians.org



The region where Gabrieleño culture thrived for more than eight centuries encompassed most of Los Angeles County, more than half of Orange County and portions of Riverside and San Bernardino counties. It was the labor of the Gabrieleño who built the missions, ranchos and the pueblos of Los Angeles. They were trained in the trades, and they did the construction and maintenance, as well as the farming and managing of herds of livestock. "The Gabrieleño are the ones who did all this work, and they really are the foundation of the early economy of the Los Angeles area " . "That's a contribution that Los Angeles has not recognized--the fact that in its early decades, without the Gabrieleño, the community simply would not have survived."

On Fri, Aug 4, 2023 at 5:49 PM McKina Alexander <MAlexander@carsonca.gov> wrote:

> Dear Chairperson Andrew Salas/Gabrieleno Band of Mission Indians - Kizh Nation:

Pursuant to California Assembly Bill (AB) 52, the City of Carson (City) is providing you with notification of the proposed Avocet Battery Energy Storage System (BESS) project located in the City of Carson, Los Angeles County, California. An IS/MND will be prepared for this project. Attached is the project description which also contains a vicinity map and project site location.

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Kind Regards, M

McKina Alexander | she|her
Senior Planner
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GABRIELENO BAND OF MISSION INDIANS - KIZH NATION
Historically known as The Gabrielino Tribal Council - San Gabriel Band of Mission Indians
recognized by the State of California as the aboriginal tribe of the Los Angeles basin

August 29, 2023

Project Name: 233320 Alameda St. City of Carson

Dear McKina Alexander,

Thank you for your letter dated August 4, 2023 regarding AB52 consultation. The above proposed project location is within our Ancestral Tribal Territory; therefore, our Tribal Government requests to schedule a consultation with you as the lead agency, to discuss the project and the surrounding location in further detail.

Please contact us at your earliest convenience. ***Please Note:AB 52, "consultation" shall have the same meaning as provided in SB 18 (Govt. Code Section 65352.4).***

Thank you for your time,

Andrew Salas, Chairman
Gabrieleno Band of Mission Indians – Kizh Nation
1(844)390-0787

Andrew Salas, Chairman | Nadine Salas, Vice-Chairman | Dr. Christina Swindall Martinez, secretary
Albert Perez, treasurer I | Martha Gonzalez Lemos, treasurer II | Richard Gradias, Chairman of the council of Elders

PO Box 393 Covina, CA 91723 admin@gabrielenoindians.org